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PRODUCT CATALOGUE

Pumps, Controls, Valves, Pumping Systems & Accessories



LIQUIDS UNDER CONTROL

Effective from November 2023



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DELIVERY

UK & MAINLAND SCOTLAND							
DELIVERY SLOT	≤20kg	≤30kg	≤40kg	≤50kg	≤60kg	≤70kg	≤100kg (Pallet)
Next Working Day	£16.50*	£22.50*	£28.00*	£33.50*	£39.00*	£45.00*	£79.00*
Next Working Day BEFORE 9:30AM	£50.00*	£56.00*	£61.00*	£67.00*	£73.00*	£79.00*	£100.00*
Next Working Day BEFORE 10:30AM	£39.00*	£45.00*	£50.00*	£56.00*	£61.00*	£67.00*	£100.00*
Next Working Day BEFORE 12:00PM	£33.50*	£39.00*	£45.00*	£50.00*	£56.00*	£61.00*	£100.00*
Saturdays - DOES NOT COVER ALL AREAS	£56.00*	£61.00*	£67.00*	£73.00*	£79.00*	£84.00*	£125.00*

Please note delivery service not available in all areas.

PALLET RATES	
WEIGHT	DELIVERY CHARGES
0kg - 250kg	£79.00*
251kg - 500kg	£96.00*
501kg - 1000kg	£106.00*
OPTIONAL EXTRA FOR AM DELIVERY, WEIGHT CHARGE + £20.00 IF AVAILABLE IN POSTCODE AREA	

SCOTTISH HIGHLANDS / NORTHERN IRELAND / DUBLIN / EIRE / ISLE OF MAN / SCILLY / ISLE OF WIGHT / CHANNEL ISLANDS					
	WEIGHT	DELIVERY TIME	DELIVERY CHARGES		CUSTOM CHARGES
			≤20kg	21-100kg	
Scottish Highlands	≤100kg	2 - 3 Days	£39.00*	+ £1.12* / kg	
Isle of Man / Isle of Sicily / Isle of Wight / Channel Islands	≤100kg	5 - 7 Days	£50.00*	+ £1.12* / kg	
Northern Ireland	≤100kg	5 - 7 Days	£50.00*	+ £1.12* / kg	+ £4.00*
Dublin / Rep of Ireland	≤100kg	5 - 7 Days	£50.00*	+ £1.12* / kg	+ £29.00*

Please note once weight exceeds 100kg delivery must be via pallet.

MAINLAND EUROPE, WORLDWIDE		
Price to be advised. Please contact T-T directly to discuss your needs.		
Please note our minimum order charge is £50.00 + VAT. This is AFTER any discount has been applied to the order and DOES NOT include carriage charges.		
DELIVERY BAND	DESTINATION	DELIVERY CHARGES
	UK & MAINLAND SCOTLAND	
A	ORDER OVER £50.00	FREE OF CHARGE
B	ORDER OVER £50.00	DELIVERY EXTRA
C	ORDER OVER £50.00	DELIVERY EXTRA

*Please refer to our website for current prices or ask our sales department.

INTRODUCTION

Welcome to our Catalogue Edition 8, in this edition we have added many new product ranges and models. We specialise in not only off-the-shelf pumps, valves and controls but also bespoke pumping solutions, specialist valves that are tailored to meet your exact requirements and custom-made control panels for your specific application. We have thousands of products in our range, which gives us the capacity to meet any challenge in a wide range of industries. So whether you need a water management system for a housing estate, or a sophisticated pumping station for a water treatment plant, trust T-T to deliver a cost-effective solution that is built to last.



We have collated our previous product catalogue to give you all the necessary information in one place. However, our website is the most up-to-date source for product information and pricing, with new models regularly added to our portfolio. Our catalogue is split into product sections, from pumps to controls to valves to pumping stations. Our technical information is presented in a table format which includes a quick delivery status reference:

DELIVERY

	SAME DAY DISPATCH
	LEAD TIME MAY APPLY
	ADDITIONAL INFORMATION REQUIRED / BESPOKE BUILT ITEM, CONTACT US FOR MORE INFORMATION

PLEASE NOTE

Our website is our most up-to-date, accurate source of information. Scan the QR code to visit us online at www.ttpumps.com



VISIT OUR WEBSITE



HERE ARE JUST SOME OF THE REASONS TO VISIT US ONLINE...

BUY ONLINE & TECHNICAL SUPPORT

- Save an additional 5% off your order
- Use product codes in the catalogue for easy navigation
- Enquire & request quotations
- Special offers & bulk-buy promotions
- Download datasheets & technical information
- How-To guides, videos & case studies



SCAN
TO SHOP
ONLINE

SIGN UP FOR AN ACCOUNT

- Personalised dashboard set up to your requirements
- View orders & reorder easily
- Sign up for our CPD programme, technical drawings and newsletter
- Apply for a credit account

T-T PROVIDES...



Same day dispatch. Lead time may apply.

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SECTION 01
DRAINAGE PUMPS





Drainage Pumps

DRAINAGE PUMPS - 1

TT 100



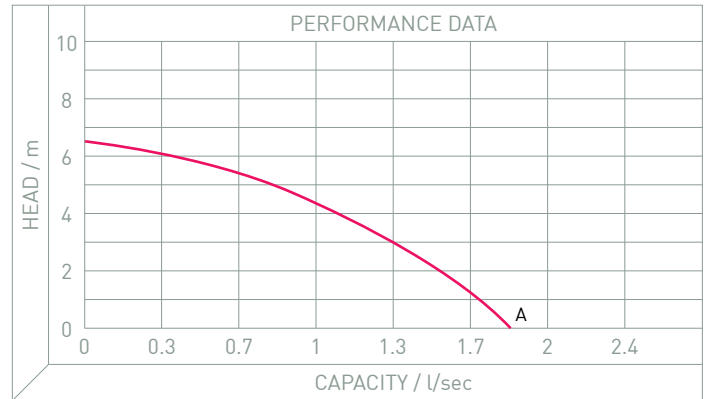
The TT 100 is a submersible drainage pump for clean water with non-abrasive particles (max. solid bodies: 9mm). It has a stainless steel body, suction grid, motor casing and pump shaft and is ideal for domestic and industrial applications.

FEATURES

- Stainless steel construction
- Technopolymer impeller
- Mechanical seal
- IP68 motor and Lipseal
- Submersion depth: maximum 5m
- Liquid temperature: up to 35°C
- Automatic

BENEFITS

- British design
- Built for reliability and long life
- Light weight



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
TT 100 230V/1Ph	TTP/TT100	A \	1	0.15	32	1 ¼	6.5	1.8	9	5	7	



SCAN TO SHOP ONLINE

SUMPY

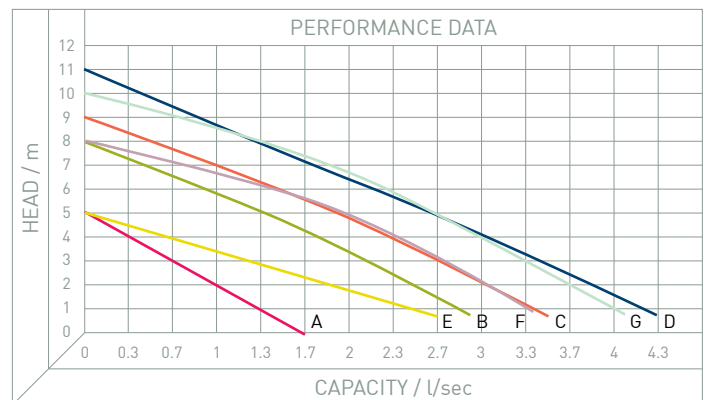
The Sumpy is a fully submersible, automatic sump pump for small water drainage applications. An integral float switch senses the rise and fall in water level and controls the pump automatically. The body and strainer are produced in technopolymer with a stainless steel shaft, fitted with a lipseal and a mechanical seal.

FEATURES

- Robust construction
- Submersion depth: maximum 5m
- Liquid temperature: up to 35°C
- IP68 motor

BENEFITS

- Built for reliability and long life
- Light weight
- Integral level control



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		SOLIDS HANDLING mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
SUMPY 30 110V/1Ph	TTP/SUMPY30-2	A \	2.0	0.1	25	1	5	1.6	5 x 4	5	5	
SUMPY 30 230V/1Ph	TTP/SUMPY30	A \	1	0.1	25	1	5	1.6	5 x 4	5	5	
SUMPY 75 110V/1Ph	TTP/SUMPY75-2	B \	2.4	0.2	32	1 ¼	5	2.9	12 x 5	5	5.5	
SUMPY 75 230V/1Ph	TTP/SUMPY75	B \	1.2	0.2	32	1 ¼	8	2.9	12 x 5	5	5.5	
SUMPY 100 110V/1Ph	TTP/SUMPY100-2	C \	4.0	0.37	40	1 ½	9	3.5	12 x 5	5	6.5	
SUMPY 100 230V/1Ph	TTP/SUMPY100	C \	1.9	0.37	40	1 ½	9	3.5	12 x 5	5	6.5	
SUMPY 150 110V/1Ph	TTP/SUMPY150-2	D \	6.0	0.68	50	2	11	4.3	10 x 5	5	6.8	
SUMPY 150 230V/1Ph	TTP/SUMPY150	D \	2.9	0.68	50	2	11	4.3	10 x 5	5	6.8	
SUMPY 75 VORTEX 110V/1Ph	TTP/SUMPY75V-2	B \	2.4	0.2	32	1 ¼	8	3.3	40 x 15	5	5	
SUMPY 75 VORTEX 230V/1Ph	TTP/SUMPY75V	B \	1.2	0.2	32	1 ¼	8	3.3	40 x 15	5	5	
SUMPY 150 VORTEX 110V/1Ph	TTP/SUMPY150V-2	G \	6.0	0.68	50	2	10	4.0	40 x 25	5	7	
SUMPY 150 VORTEX 230V/1Ph	TTP/SUMPY150V	G \	2.9	0.68	50	2	10	4.0	40 x 25	5	7	



SCAN TO SHOP ONLINE

Drainage Pumps



SAMSUMP

A

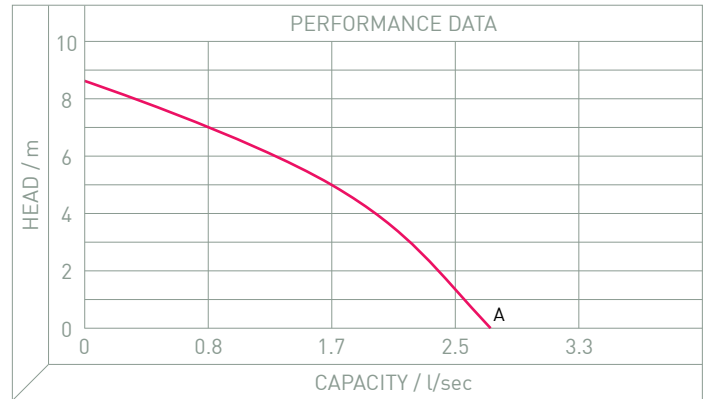
The Samsump is a robust sump pump constructed in fibre-reinforced plastic, giving resistance to corrosion. It is ideal for permanent installation where reliable automatic operation is essential.

FEATURES

- Constructed of fibre-reinforced plastic
- Mechanical seal and Lipseal
- 9mm solids handling
- 0.25kW output
- 40mm vertical discharge
- Pond safe suction

BENEFITS

- Built for reliability and long life
- Lightweight
- Readily available



DRAINAGE PUMPS - 1

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
SAMSUMP 230V/1Ph	TTP/SAMSUMP	A \	1.3	0.25	40	1 ½	7.5	3	9	10	4	



SCAN TO SHOP ONLINE

DR STEEL

A

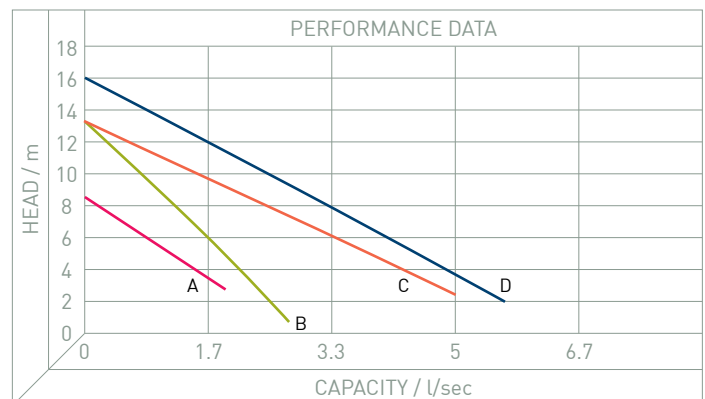
The DR Steel is a sturdy range of submersible drainage pumps made from stainless steel, the DR steel has a multi-channel open impeller for applications with clear or grey waste waters and the standard pump is available in automatic. Manual versions are available on request.

FEATURES

- Twin mechanical seal
- Stainless steel construction
- Open multi-channel impeller in 304 stainless steel
- 2 pole motor
- G1 ¼" - G1 ½ vertical discharge
- 12mm maximum free passage
- 16m maximum head
- Operating temperature 40°C (can operate at 90°C for up to 3 minutes)
- Automatic as standard

BENEFITS

- Built for reliability and long life
- Lightweight
- Popular product



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DRSTEEL 25 230V/1Ph	PZ/DRSTEEL25/1	A \	2.3	0.25	32	1 ¼	8.5	2	10	5	5.9	
DRSTEEL 37 230V/1Ph	PZ/DRSTEEL37/1	B \	3.1	0.37	32	1 ¼	13	2.6	10	5	6.3	
DRSTEEL 55 230V/1Ph	PZ/DRSTEEL55/1	C \	4.3	0.55	40	1 ½	12.5	5	12	5	7.7	
DRSTEEL 75 230V/1Ph	PZ/DRSTEEL75/1	D \	5.6	0.75	40	1 ½	16	5.6	12	5	8.4	
DRSTEEL 75 400V/3Ph	PZ/DRSTEEL75T/3	D \	2.4	0.75	40	1 ½	16	5.6	12	5	8.4	



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Same day dispatch. Lead time may apply.

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GOLIATH SUPER



The Goliath Super is a robust sump pump made of stainless steel plate and fibre-reinforced plastic, resistant to corrosion.

It also features a vortex impeller, giving up to 35mm solids handling. Maximum depth of submersion is 10m, minimum sump 250mm x 250mm.

FEATURES

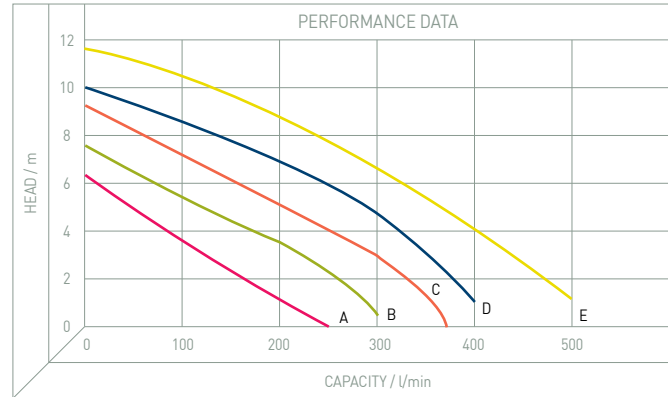
- Stainless steel outer casing and reinforced plastic construction (150, 250 and 400 versions) cast iron volute and impeller (550 and 750 versions)
- Double mechanical seal
- Interchangeable horizontal and vertical discharge
- Built in air relief valve on all models
- Automatic as standard but can be converted to manual upon request (except 400V versions)
- 40°C operating temperature

BENEFITS

- British design
- Built for reliability and long life
- Double mechanical seal
- Easy to maintain and repair
- Light weight
- Popular product



MANUAL



SCAN TO SHOP ONLINE



A FLOAT



F FLOAT



Z FLOAT

	PUMP TYPE	PRODUCT CODE	OPERATION	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
					amp	kW	mm	inch	HEAD m	CAPACITY U/sec				
AUTOMATIC	GOLIATH SUPER 150 230V/1Ph	TTP/GOLIATHS1/1-A	A FLOAT	A \	1.7	0.15	50	2	6.3	4.1	30	5	8	
	GOLIATH SUPER 150 230V/1Ph	TTP/GOLIATHS1/1-F	F FLOAT	A \	1.7	0.15	50	2	6.3	4.1	30	5	8	
	GOLIATH SUPER 150 230V/1Ph	TTP/GOLIATHS1/1-Z	Z FLOAT	A \	1.7	0.15	50	2	6.3	4.1	30	5	8	
	GOLIATH SUPER 150 110V/1Ph	TTP/GOLIATHS1/2-A	A FLOAT	A \	3.0	0.15	50	2	6.3	4.1	30	5	8	
	GOLIATH SUPER 150 110V/1Ph	TTP/GOLIATHS1/2-F	F FLOAT	A \	3.0	0.15	50	2	6.3	4.1	30	5	8	
	GOLIATH SUPER 150 110V/1Ph	TTP/GOLIATHS1/2-Z	Z FLOAT	A \	3.0	0.15	50	2	6.3	4.1	30	5	8	
	GOLIATH SUPER 250 230V/1Ph	TTP/GOLIATHS2/1-A	A FLOAT	B \	2.5	0.25	50	2	7.5	5	30	5	8	
	GOLIATH SUPER 250 230V/1Ph	TTP/GOLIATHS2/1-F	F FLOAT	B \	2.5	0.25	50	2	7.5	5	30	5	8.5	
	GOLIATH SUPER 250 230V/1Ph	TTP/GOLIATHS1/1-Z	Z FLOAT	B \	2.5	0.25	50	2	7.5	5	30	5	8.5	
	GOLIATH SUPER 400W 230V/1Ph	TTP/GOLIATHS3/1-A	A FLOAT	C \	3.2	0.4	50	2	9.2	6	35	5	8	
MANUAL	GOLIATH SUPER 550W 230V/1Ph	TTP/GOLIATHS4/1-A	A FLOAT	D \	3.6	0.55	50	2	10	7.2	35	5	8	
	GOLIATH SUPER 750W 230V/1Ph	TTP/GOLIATHS5/1-A	A FLOAT	E \	6.6	0.75	50	2	11.5	8.3	35	5	8	
	GOLIATH SUPER 250W 110V/1Ph	TTP/GOLIATHS2/2-A	A FLOAT	B \	4.5	0.25	50	2	7.5	5	30	5	8	
	GOLIATH SUPER 150W 110V	TTP/GOLIATHS1/2	MANUAL	A \	2.8	0.15	50	2	6.3	4.1	30	5	8	
	GOLIATH SUPER 150W 230V	TTP/GOLIATHS1/1	MANUAL	A \	1.7	0.15	50	2	6.3	4.1	30	5	0.15	
	GOLIATH SUPER 250W 230V	TTP/GOLIATHS2/1	MANUAL	B \	2.5	0.25	50	2	7.5	5	30	5	0.25	
	GOLIATH SUPER 400W 400V/1Ph	TTP/GOLIATHS3/2	MANUAL	C \	1.4	0.4	50	2	9.2	6	35	5	8	
	GOLIATH SUPER 550W 400V/1Ph	TTP/GOLIATHS4/2	MANUAL	D \	1.6	0.55	50	2	10	7.2	35	5	8	
GOLIATH SUPER 750W 400V/3Ph	TTP/GOLIATHS5/2	MANUAL	E \	2.5	0.75	50	2	11.5	8.3	35	5	8		

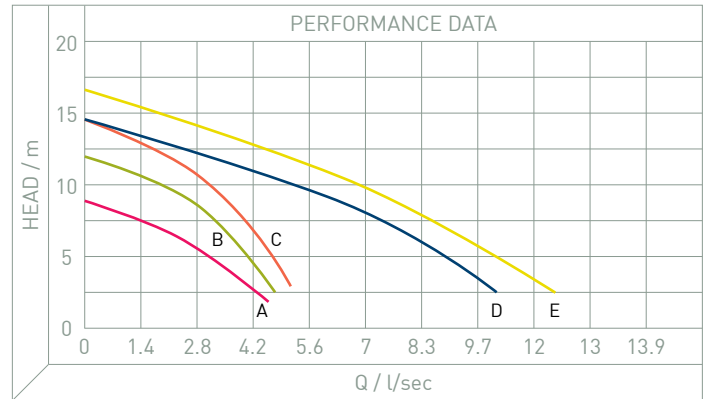
DR BLUE PROFESSIONAL

A

Designed for domestic and professional use, the DR Blue Pro range of submersible pumps have an open multi-channel impeller for mostly clear or slightly soiled wastewater.

FEATURES

- Cast iron construction and impeller
- Double mechanical seal within an oil bath
- Automatic as standard but can be converted to manual upon request
- Other models available in 110V by request
- Auto-coupling available on request
- 40°C operating temperature



BENEFITS

- Built for reliability and long life
- Double mechanical seal
- Easy to maintain and repair



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DR BLUE PRO 50/2/G32 230V/1Ph	PZ/1094.005	A \	2.8	0.37	32	1 ¼	8.4	4.5	15	10	12	
DR BLUE PRO 50/2/G32 400V/3Ph	PZ/1096.004	A \	1.1	0.37	32	1 ¼	8.4	4.5	15	10	12	
DR BLUE PRO 75/2/G32 110V/1Ph	PZ/1098.011	B \	8.6	0.55	32	1 ¼	11.8	4.6	15	10	13.5	
DR BLUE PRO 75/2/G32 230V/1Ph	PZ/1098.005	B \	4.1	0.55	32	1 ¼	11.8	4.6	15	10	13.5	
DR BLUE PRO 75/2/G32 400V/3Ph	PZ/1100.004	B \	1.6	0.55	32	1 ¼	11.8	4.6	15	10	13.5	
DR BLUE PRO 100/2/G32 230V/1Ph	PZ/1090.005	C \	5.6	0.74	32	1 ¼	14.1	5.0	15	10	14	
DR BLUE PRO 100/2/G32 400V/3Ph	PZ/1092.004	C \	2.2	0.74	32	1 ¼	14.1	5.0	15	10	14	
DR BLUE PRO 150/2/G50 110V/1Ph	PZ/1106.006	D \	2	1.1	50	2	13.5	10.2	30 x 10	10	23	
DR BLUE PRO 150/2/G50 230V/1Ph	PZ/1106.005	D \	7.5	1.1	50	2	13.5	10.2	30 x 10	10	23	
DR BLUE PRO 150/2/G50 400V/3Ph	PZ/1107.002	D \	3.2	1.1	50	2	13.5	10.2	30 x 10	10	23	
DR BLUE PRO 200/2/G50 230V/1Ph	PZ/1108.004	E \	10	1.5	50	2	16.2	11.5	30 x 10	10	23	
DR BLUE PRO 200/2/G50 400V/3Ph	PZ/1109.002	E \	4.3	1.5	50	2	16.2	11.5	30 x 10	10	23	

DRO RANGE

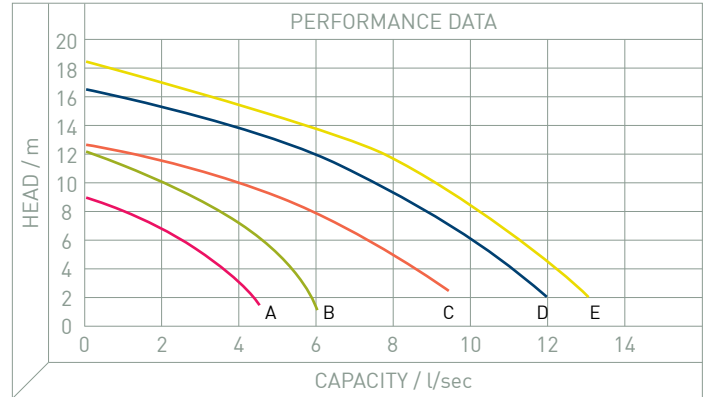
B

The DRO range of small drainage pumps is ideal for domestic and industrial use, with the pumps featuring cast iron construction, heavy-duty bearings and a double silicon carbide mechanical seal, within an oil bath.

These pumps have a horizontal outlet.

FEATURES

- Cast iron construction
- Double mechanical seal within oil bath
- Vertical discharge on 50 & 75 and horizontal discharge on 100, 150 & 200 models
- Auto-coupling available
- Threaded flange on horizontal discharge models
- Maximum temperature: 40°C



BENEFITS

- Built for reliability and long life
- Double mechanical seal
- Easy to maintain and repair
- Popular product



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DRO 50/2/G32V 230V/1Ph	PZ/DRO50/2/1	A \	2.9	0.37	32	1 ¼	8.5	4.5	15	10	15	●
DRO 50/2/G32V 400V/3Ph	PZ/DRO50/2/3	A \	1.1	0.37	32	1 ¼	8.5	4.5	15	10	15	●
DRO 75/2/G32V 230V/1Ph	PZ/DRO75/2/1	B \	3.9	0.55	32	1 ¼	12.1	6	15	10	15.5	●
DRO 75/2/G32V 400V/3Ph	PZ/DRO75/2/3	B \	1.4	0.55	32	1 ¼	12.1	6	15	10	15.5	●
DRO 100/2/G50H 230V/1Ph	PZ/0021.002	C \	6.5	0.9	50	2	12.0	9.4	15	10	19.5	●
DRO 100/2/G50H 400V/3Ph	PZ/0022.002	C \	2.3	0.9	50	2	12.0	9.4	15	10	19.5	●
DRO 150/2/G50H 230V/1Ph	PZ/0025.002	D \	8.2	1.1	50	2	15.8	12	15	10	20.5	●
DRO 150/2/G50H 400V/3Ph	PZ/0026.002	D \	2.7	1.1	50	2	15.8	12	15	10	20.5	●
DRO 200/2/G50H 230V/1Ph	PZ/0029.002	E \	9.3	1.5	50	2	17.8	13	15	10	21.5	●
DRO 200/2/G50H 400V/3Ph	PZ/0030.003	E \	3.6	1.5	50	2	17.8	13	15	10	21.5	●

Please note: Does not come automatic as standard.

Float option only available on single phase up to 8 Amp FLC (Float ref. PZS/ZENIT-FLOAT)

DR BRONZE

B

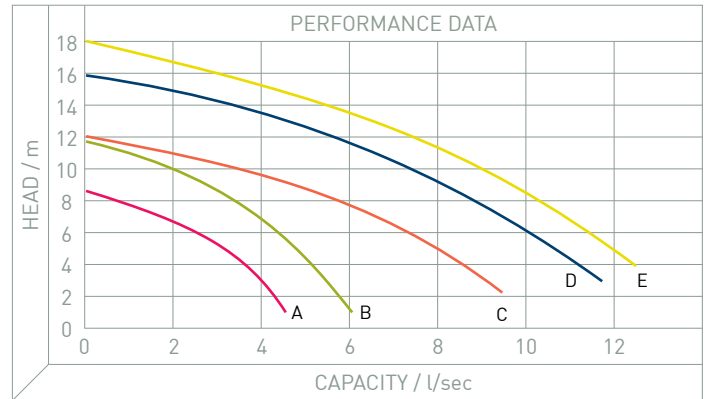
The DR Bronze range of small drainage pumps is ideal for heavy-duty use. These pumps are constructed in B-10 Bronze and incorporate heavy-duty bearings and a double silicon-carbide mechanical seal (+Viton gaskets).

FEATURES

- Bronze construction
- Double mechanical seal within oil bath
- Automatic version available on request
- Auto-coupling available (GSL-250)

BENEFITS

- Built for reliability and long life
- Double mechanical seal
- Easy to maintain and repair



DRAINAGE PUMPS - 1



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DRB 50/2/G32V 230V/1Ph	PZ/DRB50/2/1	A \	2.9	0.37	32	1 ¼	8.3	4.4	15	10	17	●
DRB 50/2/G32V 400V/3Ph	PZ/DRB50/2/3	A \	1.1	0.37	32	1 ¼	8.3	4.4	15	10	17	●
DRB 75/2/G32V 230V/1Ph	PZ/DRB75/2/1	B \	3.9	0.55	32	1 ¼	11.8	6	15	10	17	●
DRB 75/2/G32V 400V/3Ph	PZ/DRB75/2/3	B \	1.4	0.55	32	1 ¼	11.8	6	15	10	17	●
DRB 100/2/G50V 230V/1Ph	PZ/DRB100/2/1	C \	6.5	0.88	50	2	11.8	9.5	15	10	21	●
DRB 100/2/G50V 400V/3Ph	PZ/DRB100/2/3	C \	2.3	0.88	50	2	11.8	9.5	15	10	21	●
DRB 150/2/G50V 230V/1Ph	PZ/DRB150/2/1	D \	8.2	1.1	50	2	15.5	11.8	15	10	23	●
DRB 150/2/G50V 400V/3Ph	PZ/DRB150/2/3	D \	2.7	1.1	50	2	15.5	11.8	15	10	23	●
DRB 200/2/G50V 230V/1Ph	PZ/DRB200/2/1	E \	9.3	1.5	50	2	17.5	12.5	15	10	23	●
DRB 200/2/G50V 400V/3Ph	PZ/DRB200/2/3	E \	3.6	1.5	50	2	17.5	12.5	15	10	23	●

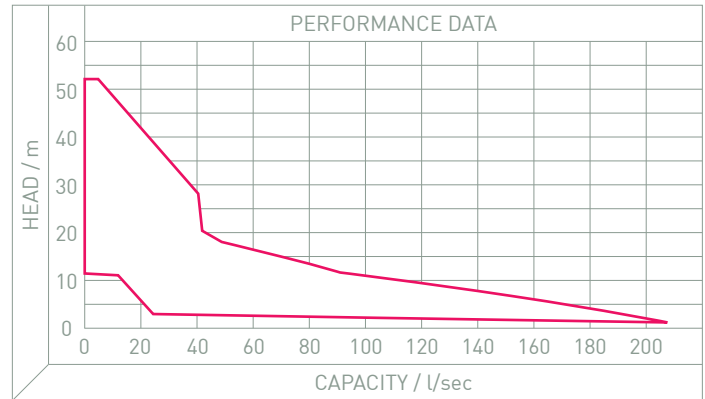
DRG RANGE



The DRG range features a channel impeller and redesigned hydraulics and motor to guarantee high performance, low consumption and outstanding versatility. These pumps are suitable for recirculation of industrial process waters and civil lifting.

FEATURES

- Cast iron construction
- Three-phase motor
- Insulation: Class H (180°C)
- Protection rating: IP68
- 50Hz and 60Hz versions
- Thermal protection incorporated in stator
- AISI 431 drive shaft
- Two silicon carbide mechanical seals
- Large free passage
- Discharge from DN40 to DN250



SCAN TO SHOP ONLINE

BENEFITS

- Built for reliability and long life
- Great solids handling capacity
- Fully repairable

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DRG 250/2/65 B0AT 400V/3Ph	PZ/1760.001	A \	3.7	1.8	65	2 1/2	16.7	22	35 x 30	10	34	●
DRG 300/2/65 A0ET 400V/3Ph	PZ/1431.003	A \	4.6	2.2	65	2 1/2	17.9	24	40 x 35	10	44	●
DRG 400/2/65 A0ET 400V/3Ph	PZ/1433.002	A \	6.4	3.0	65	2 1/2	22.8	26	40 x 35	10	47	●
DRG 250/2/80 L0AT 400V/3Ph	PZ/1759.001	A \	3.7	1.8	80	3	17	24	35 x 30	10	36	●
DRG 300/2/80 E0ET 400V/3Ph	PZ/1457.005	A \	4.6	2.2	80	3	18.4	24	40 x 35	10	45	●
DRG 400/2/80 E0ET5 400V/3Ph	PZ/1458.003	A \	6.3	3.0	80	3	23.2	28	40 x 35	10	48	●
DRG 550/2/80 P0FT5 400V/3Ph	PZ/1540.002	A \	7.7	4.0	80	3	24	30	40 x 35	10	63.6	●
DRG 550/2/80 B0FT 400V/3Ph	PZ/1503.002	A \	7.7	4.0	80	3	17	36	55 x 50	10	68	●
DRG 750/2/80 A0FT 400V/3Ph	PZ/1501.003	A \	10.8	5.5	80	3	25	40	40	10	71	●
DRG 750/2/80 B0FT 400V/3Ph	PZ/1505.003	A \	10.8	5.5	80	3	22	40	55 x 50	10	71	●
DRG 1000/2/80 A0FT 400V/3Ph	PZ/1502.002	A \	13.7	7.5	80	3	34	45	40	10	79	●
DRG 1000/2/80 B0FT 400V/3Ph	PZ/1504.002	A \	13.7	7.5	80	3	30.9	48	55 x 50	10	79	●
DRG 200/4/80 M0ET 400V/3Ph	PZ/1471.002	A \	3.4	1.5	80	3	8.3	19	45	10	55	●
DRG 300/4/80 G0ET5 400V/3Ph	PZ/1463.002	A \	5.1	2.2	80	3	12	32	75	10	60.2	●
DRG 400/4/80 H0ET 400V/3Ph	PZ/1466.002	A \	6.7	3.0	80	3	14	34	75	10	61	●
DRG 550/4/80 D0FT5 400V/3Ph	PZ/1523.002	A \	8.4	4.0	80	3	12.5	52	65 x 60	10	110	●
DRG 750/4/80 D0FT 400V/3Ph	PZ/1524.002	A \	11.8	5.5	80	3	16.5	58	65 x 60	10	110	●
DRG 200/4/100 T0ET 400V/3Ph	PZ/1472.002	A \	3.4	1.5	100	4	8.7	30	45	10	58	●
DRG 300/4/100 U0ET5 400V/3Ph	PZ/1468.002	A \	5.2	2.2	100	4	9.5	38	60	10	63.2	●
DRG 400/4/100 U0ET5 400V/3Ph	PZ/1469.002	A \	6.7	3.0	100	4	11.4	41	60	10	64	●
DRG 550/4/100 R0FT5 400V/3Ph	PZ/1521.002	A \	8.4	4.0	100	4	13	63	65	10	90	●
DRG 1200/2/80 A0GT 400V/3Ph	PZ/1900.003	A \	16.1	9.0	80	3	42.8	46	40	10	104	●
DRG 1200/2/80 B0GT 400V/3Ph	PZ/1902.003	A \	16.1	9.0	80	3	35	50	55 x 50	10	104	●
DRG 1500/2/80 A0GT 400V/3Ph	PZ/1901.003	A \	19.5	11.0	80	3	46.5	44	40	10	105	●
DRG 1500/2/80 B0GT 400V/3Ph	PZ/1903.003	A \	19.5	11.0	80	3	41.7	48	55 x 50	10	105	●
DRG 2000/2/80 G0HT 400V/3Ph	PZ/1677.002	A \	26.2	15.0	80	3	45	44	75	10	155	●
DRG 2500/2/80 G0HT 400V/3Ph	PZ/1678.003	A \	32.9	18.5	80	3	48.3	48	75	10	165	●
DRG 1000/4/80 D0GT 400V/3Ph	PZ/1904.003	A \	15.8	7.5	80	3	22	54	65 x 60	10	141	●
DRG 1200/4/80 D0HT 400V/3Ph	PZ/1676.001	A \	17	9.0	80	3	24.6	56	65 x 60	10	183	●
DRG 1200/4/100 H0HT 400V/3Ph	PZ/1657.003	A \	17	9.0	100	4	22.4	80	80	10	195	●
DRG 1500/4/100 A0HT 400V/3Ph	PZ/1658.001	A \	20.5	11.0	100	4	18.2	85	80	10	200	●
DRG 2000/4/100 A0HT 400V/3Ph	PZ/1659.001	A \	30.8	15.0	100	4	26.6	90	80	10	212	●
DRG 2000/4/100 B0HT 400V/3Ph	PZ/1675.001	A \	30.8	15.0	100	4	20.7	100	80	10	212	●
DRG 1200/4/150 A0HT 400V/3Ph	PZ/1660.001	A \	17	9.0	150	6	13	120	80	10	212	●
DRG 1500/4/150 A0HT 400V/3Ph	PZ/1661.001	A \	20.5	11.0	150	6	17.1	120	80	10	212	●
DRG 2000/4/150 A0HT 400V/3Ph	PZ/1662.001	A \	30.8	15.0	150	6	26.1	140	80	10	224	●
DRG 1200/4/200 B0HT 400V/3Ph	PZ/1666.001	A \	17	9.0	200	8	11.9	160	80	10	239	●
DRG 1500/4/200 B0HT 400V/3Ph	PZ/1667.001	A \	20.5	11.0	200	8	13.9	170	80	10	239	●
DRG 2000/4/200 B0HT 400V/3Ph	PZ/1669.001	A \	30.8	15.0	200	8	18.1	170	80	10	251	●
DRG 1200/4/250 H0HT 400V/3Ph	PZ/1671.001	A \	17	9.0	250	10	11.3	180	80	10	270	●
DRG 1500/4/250 H0HT 400V/3Ph	PZ/1672.001	A \	20.5	11.0	250	10	13.3	185	80	10	270	●
DRG 2000/4/250 H0HT 400V/3Ph	PZ/1673.001	A \	30.8	15.0	250	10	18.1	205	80	10	282	●
DRG 1000/6/200 A0HT 400V/3Ph	PZ/1663.001	A \	15.7	7.5	200	8	12.2	140	100 x 70	10	276	●
DRG 1000/6/200 B0HT 400V/3Ph	PZ/1670.001	A \	15.7	7.5	200	8	14.4	140	80	10	239	●
DRG 1750/6/200 A0HT 400V/3Ph	PZ/1664.001	A \	27.6	13.6	200	8	17.2	175	100 x 70	10	293	●
DRG 1000/6/250 C0HT 400V/3Ph	PZ/1665.001	A \	15.7	7.5	250	10	11.5	144	100 x 70	10	302	●
DRG 1000/6/250 H0HT 400V/3Ph	PZ/1674.001	A \	15.7	7.5	250	10	13.6	150	80	10	270	●
DRG 1750/6/250 C0HT 400V/3Ph	PZ/1668.001	A \	27.6	13	250	10	16.5	192	100 x 70	10	319	●



Please note: DN40 - DN50 models available online, scan QR code to shop.

Many models are available with ATEX rated motors, please enquire with our sales department for more information.

DRY RANGE

B

The DRY range of large, AISI 316 stainless steel drainage pumps feature open twin-channel impellers, double mechanical seals within an oil bath and an oil-filled motor.

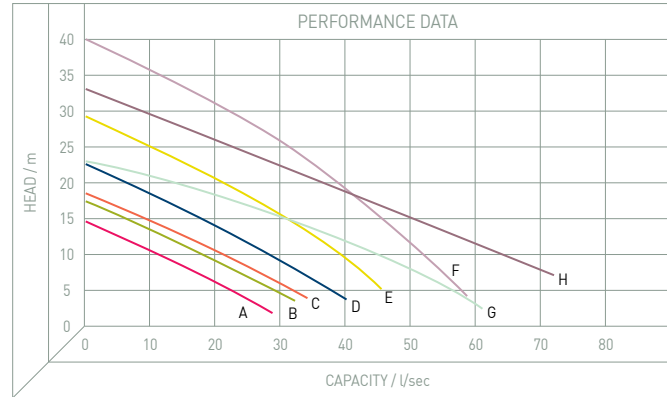
These pumps are specifically designed for use with chemically aggressive liquids.

FEATURES

- 316 Cast Stainless Steel construction
- Double mechanical seal in silicon carbide (2SIC)
- Auto-coupling available in AISI 316

BENEFITS

- Built for reliability and long life
- Easy to maintain and repair
- Great solids handling capacity
- Quality build



DRAINAGE PUMPS - 1



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DRY 300/2/80 400V/3Ph	PZ/0101.001	A \	6.0	2.7	80	3	13.5	28.7	56	10	51	●
DRY 400/2/80 400V/3Ph	PZ/0103.001	B \	8.0	3.6	80	3	15.7	32.3	56	10	65	●
DRY 550/2/80 400V/3Ph	PZ/0104.001	C \	10.1	4.9	80	3	17.2	36.4	56	10	62	●
DRY 750/2/80 400V/3Ph	PZ/0105.001	D \	14.5	7.2	80	3	21.4	42.8	63	10	104	●
DRY 1000/2/80 400V/3Ph	PZ/0106.001	E \	19.8	10.0	80	3	27.8	50.1	65	10	110	●
DRY 1500/2/80 400V/3Ph	PZ/0108.001	F \	28.2	15.0	80	3	38.3	58.7	60	10	130	●
DRY 1000/2/100 400V/3Ph	PZ/0107.001	G \	19.8	10.0	100	4	22.3	61.5	80	10	115	●
DRY 1500/2/100 400V/3Ph	PZ/0109.001	H \	28.2	15.0	100	4	31.1	72.8	80	10	144	●

AP BLUE PROFESSIONAL

B

The AP Blue Pro range of submersible pumps with high-head cast iron impeller is ideal for clean water, rainwater, seepage water and for sandy/muddy water containing particles no larger than 6mm in suspension.

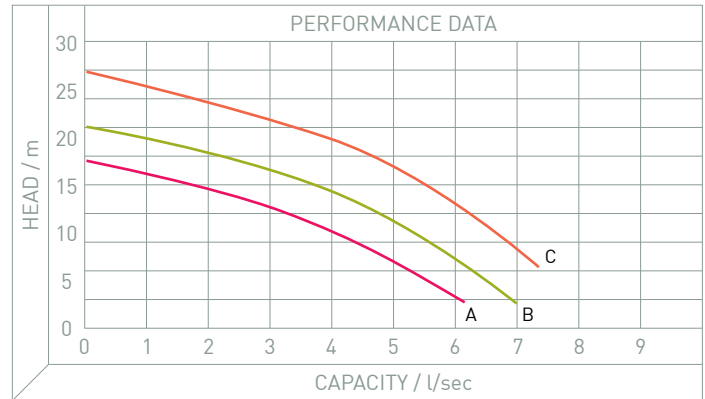
These pumps are specifically designed for domestic and professional use.

FEATURES

- Cast iron construction & impeller
- Double mechanical seal within oil bath
- Automatic as standard, float removed on request
- Auto-coupling available

BENEFITS

- Built for reliability and long life
- Double mechanical seal
- Easy to maintain and repair
- Popular product



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
AP BLUE PRO 100/2/G40H 230V/1Ph	PZ/1110.002	A \	5.5	0.74	40	1 ½	16.9	6.2	6	10	19	
AP BLUE PRO 100/2/G40H 400V/3Ph	PZ/1111.001	A \	2.7	0.74	40	1 ½	16.9	6.2	6	10	19	
AP BLUE PRO 150/2/G40H 230V/1Ph	PZ/1112.002	B \	7.5	1.1	40	1 ½	20.4	6.8	6	10	24	
AP BLUE PRO 150/2/G40H 400V/3Ph	PZ/1113.001	B \	3.2	1.1	40	1 ½	20.4	6.8	6	10	24	
AP BLUE PRO 200/2/G40H 230V/1Ph	PZ/1114.002	C \	10	1.5	40	1 ½	26.1	7.1	6	10	25	
AP BLUE PRO 200/2/G40H 400V/3Ph	PZ/1115.001	C \	4.3	1.5	40	1 ½	26.1	7.1	6	10	25	

Please note: For high head requirements see our APG range. (Page 17)

APG RANGE



The APG Submersible range of large, cast iron construction drainage pumps feature open twin-channel impellers, double mechanical seals within an oil bath and an oil-filled motor.

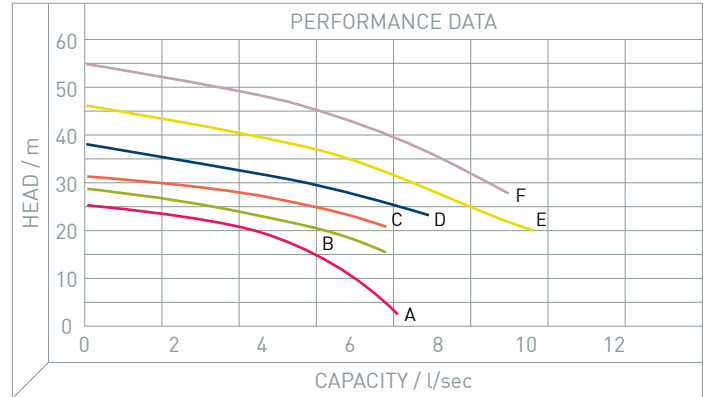
These pumps are specifically designed for use with chemically aggressive liquids.

FEATURES

- Double mechanical seal within oil bath
- Auto-coupling available in AISI 316 and GSL - 250 cast iron

BENEFITS

- Built for reliability and long life
- Double mechanical seal
- Easy to maintain and repair
- Quality build
- High head



DRAINAGE PUMPS - 1



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
APG 250/2/G40H 400V/3Ph	PZ/1758.001	A \	3.7	1.8	40	1 ½	26	7.2	10	10	32	●
APG 300/2/G50H 400V/3Ph	PZ/1464.002	B \	4.6	2.2	50	2	29	7.6	8	10	43.2	●
APG 400/2/G50H 400V/3Ph	PZ/1473.002	C \	6.4	3.0	50	2	32	6.6	8	10	46	●
APG 550/2/G50H 400V/3Ph	PZ/1525.002	D \	7.7	4.0	50	2	38	8.9	8	10	57.6	●
APG 750/2/G50H 400V/3Ph	PZ/1508.002	E \	10.8	5.5	50	2	46	10.6	10	10	60.3	●
APG 1000/2/G50H 400V/3Ph	PZ/1509.002	F \	13.7	7.5	50	2	53	10.5	10	10	68.2	●



Please note: 150 - 200 models available online, scan QR code to shop.

Many models are available with ATEX rated motors, please enquire with our sales department for more information.



Same day dispatch.



Lead time may apply.



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SECTION 02 SEWAGE PUMPS



DG STEEL

A

The DG Steel is a sturdy submersible pump made from stainless steel.

The vortex impeller gives good solids handling of 25mm up to 40mm, ideal for handling waste water with small solids.

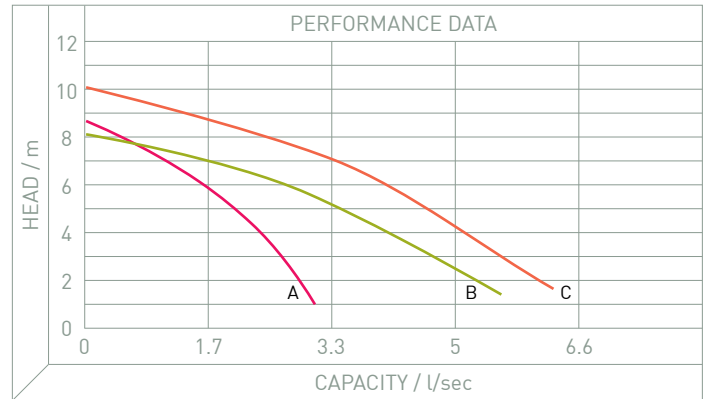
The standard pump is automatic and manual versions are available on request.

FEATURES

- Twin mechanical seal
- Stainless steel construction
- Vortex impeller in 304 stainless steel
- Operating temperature 40°C
- Automatic as standard

BENEFITS

- Designed for reliability and long life
- Great solids handling capacity
- Lightweight
- Popular product



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DGSTEEL 37 230V/1Ph	PZ/DGSTEEL37/1	A \	3.1	0.37	32	1 ¼	8.1	3.08	25	5	6.6	
DGSTEEL 55 230V/1Ph	PZ/DGSTEEL55/1	B \	4.3	0.55	40	1 ½	8	5.5	40	5	8.1	
DGSTEEL 75 230V/1Ph	PZ/DGSTEEL75/1	C \	5.6	0.75	40	1 ½	9.6	6.33	40	5	8.9	
DGSTEEL 75 400V/3Ph	PZ/DGSTEEL75T/1	C \	2.4	0.75	40	1 ½	9.6	6.33	40	5	8.9	

RELATED PRODUCTS:



SUCTION-DELIVERY HOSE

Heavy duty range of ribbed suction hose that is designed for temporary and fixed applications.



HOSE BANDS (ZINC PLATED) LAYFLAT HOSE

Excellent durability and good corrosion resistance, whilst ensuring that your hose is securely held.



BRASS HOSETAIL (BSP THREAD)

BSP Male / Female Hose Tail manufactured in brass for durability. For either suction or delivery connections.



DG BLUE PROFESSIONAL

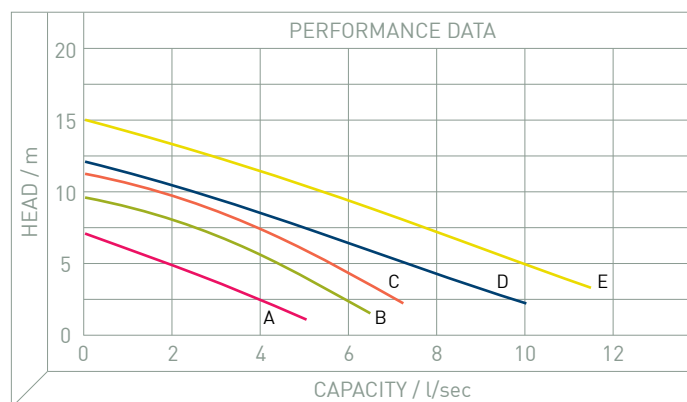
A

Designed for domestic and professional use, the DG Blue Pro range of sewage pumps are suitable for pumping polluted water with suspended solid particles.

The cast iron vortex impeller gives great performance in terms of flow rate and head, including integral free passage of up to 50mm.

FEATURES

- Cast iron construction and impeller
- Double mechanical seal within an oil bath
- Automatic as standard, float removed on request
- Other models available in 110V by request
- Auto-coupling available on request



SEWAGE PUMPS - 2

BENEFITS

- Designed for reliability and long life
- Double mechanical seal
- Great solids handling capacity
- Popular product



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DG BLUE PRO 50/2/G40 230V/1Ph	PZ/1082.005	A \	2.8	0.37	40	1 ½	6.5	5.2	40	10	13	
DG BLUE PRO 50/2/G40 400V/3Ph	PZ/1084.004	A \	1.1	0.37	40	1 ½	6.5	5.2	40	10	13	
DG BLUE PRO 75/2/G40 110V/1Ph	PZ/1086.011	B \	8.3	0.55	40	1 ½	9.5	6.8	40	10	15	
DG BLUE PRO 75/2/G40 230V/1Ph	PZ/1086.005	B \	4.1	0.55	40	1 ½	9.5	6.8	40	10	15	
DG BLUE PRO 75/2/G40 400V/3Ph	PZ/1088.004	B \	1.6	0.55	40	1 ½	9.5	6.8	40	10	15	
DG BLUE PRO 100/2/G40 230V/1Ph	PZ/1078.005	C \	5.6	0.74	40	1 ½	11	7.5	40	10	15.5	
DG BLUE PRO 100/2/G40 400V/3Ph	PZ/1079.004	C \	2.2	0.74	40	1 ½	11	7.5	40	10	15.5	
DG BLUE PRO 150/2/G50 110V/1Ph	PZ/1102.006	D \	15.1	1.1	50	2	11.6	11	50	10	23	
DG BLUE PRO 150/2/G50 230V/1Ph	PZ/1102.005	D \	7.5	1.1	50	2	11.6	11	50	10	23	
DG BLUE PRO 150/2/G50 400V/3Ph	PZ/1103.002	D \	3.2	1.1	50	2	11.6	11	50	10	23	
DG BLUE PRO 200/2/G50 230V/1Ph	PZ/1104.004	E \	10	1.5	50	2	14.6	11.5	50	10	24	
DG BLUE PRO 200/2/G50 400V/3Ph	PZ/1105.002	E \	4.3	1.5	50	2	14.6	11.5	50	10	24	

Same day dispatch. Lead time may apply.

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DGO RANGE

B

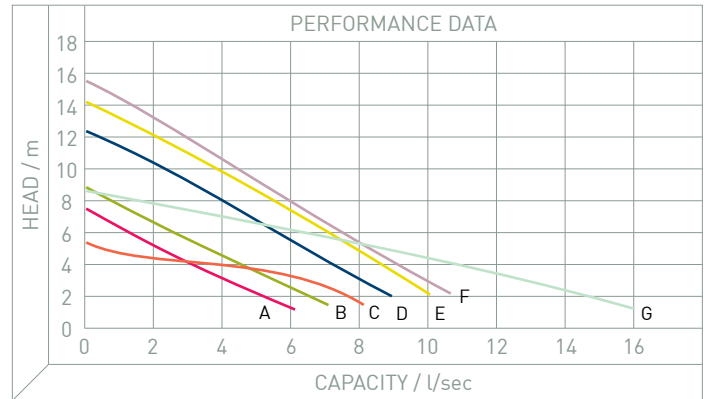
The DGO range of heavy-duty, cast iron submersible pumps is fitted with a vortex impeller to allow good free passage making it suitable for heavily polluted liquids, sewage and liquids containing fibrous materials.

FEATURES

- Cast iron construction
- Double mechanical seal within an oil bath
- Auto-coupling available
- 50mm flanged and 50mm BSP threaded discharge, 80mm flanged discharge only

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Great solids handling capacity



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DGO 50/2/G50H 230V/1Ph	PZ/0970.011	A \	2.9	0.37	50	2	6.3	6	40	10	16.5	
DGO 50/2/G50H 400V/3Ph	PZ/0971.004	A \	1.1	0.37	50	2	6.3	6	40	10	16.5	
DGO 75/2/G50H 230V/1Ph	PZ/0970.012	B \	3.9	0.55	50	2	8.4	7.2	40	10	16.5	
DGO 75/2/G50H 400V/3Ph	PZ/0973.007	B \	1.4	0.55	50	2	8.4	7.2	40	10	16.5	
DGO 100/2/G50H 230V/1Ph	PZ/DGO100H/2/1	D \	6.5	0.88	50	2	11.6	9.5	50	10	19.5	
DGO 100/2/G50H 400V/3Ph	PZ/DGO100H/2/3	D \	2.3	0.88	50	2	11.6	9.5	50	10	19.5	
DGO 150/2/G50H 230V/1Ph	PZ/DGO150H/2/1	E \	8.2	1.1	50	2	13.2	10.5	50	10	20.5	
DGO 150/2/G50H 400V/3Ph	PZ/DGO150H/2/3	E \	2.5	1.1	50	2	13.2	10.5	50	10	20.5	
DGO 200/2/G50H 230V/1Ph	PZ/DGO200M/1	F \	9.3	1.5	50	2	14	11	50	10	21.5	
DGO 200/2/G50H 400V/3Ph	PZ/DGO200T/3	F \	3.6	1.5	50	2	14	11	50	10	21.5	
DGO 100/4/G50H 230V/1Ph	PZ/DGO100H/4/1	C \	5.7	0.7	50	2	4.9	8.5	45	10	19	
DGO 100/4/G50H 400V/3Ph	PZ/0482.007	C \	2.2	0.7	50	2	4.9	8.5	45	10	19	
DGO 200/2/80 230V/1Ph	PZ/DGO200/80/1	G \	11.2	1.7	80	3	8	16	80	10	23	
DGO 200/2/80 400V/3Ph	PZ/DGO200/80/3	G \	3.9	1.7	80	3	8	16	80	10	23	

Please note: Does not come automatic as standard.

Float option only available on single phase up to 8 Amp FLC (Float ref. PZS/ZENIT-FLOAT)

DGX STAINLESS STEEL

B

The DGX range of full 316 stainless steel submersible pumps are designed for domestic and professional use.

Suitable for treatment water and water polluted with suspended solid particles providing excellent corrosion resistance.

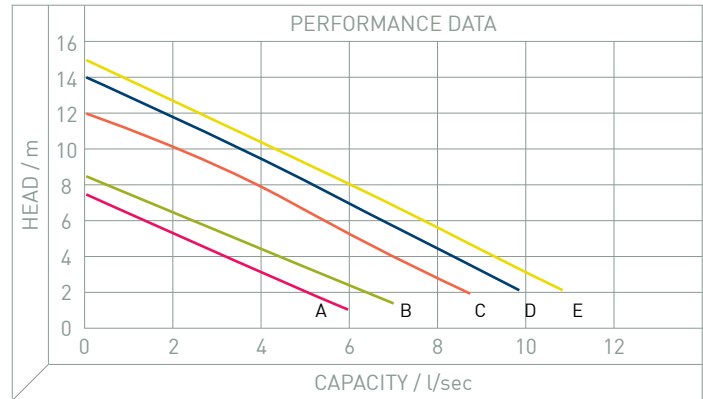
The stainless steel vortex impeller gives a great performance in terms of flow rate and head, including integral free passage of up to 38mm.

FEATURES

- AISI316 cast stainless steel construction
- Double mechanical seal within an oil bath
- 38mm solids handling
- 50mm vertical discharge

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Great solids handling capacity
- Corrosion resistant



SEWAGE PUMPS - 2



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DGX 50/2/G50V 230V/1Ph	PZ/0188.001	A \	2.9	0.37	50	2	7	6	38	10	18	●
DGX 50/2/G50V 400V/3Ph	PZ/0189.001	A \	1.1	0.37	50	2	7	6	38	10	18	●
DGX 75/2/G50V 230V/1Ph	PZ/0190.001	B \	3.9	0.55	50	2	7.9	7	38	10	18	●
DGX 75/2/G50V 400V/3Ph	PZ/0191.001	B \	1.4	0.55	50	2	7.9	7	38	10	18	●
DGX 100/2/G50V 230V/1Ph	PZ/0192.001	C \	6.5	0.88	50	2	11.6	8.8	38	10	22	●
DGX 100/2/G50V 400V/3Ph	PZ/0193.001	C \	2.3	0.88	50	2	11.6	8.8	38	10	22	●
DGX 150/2/G50V 230V/1Ph	PZ/0196.001	D \	8.2	1.1	50	2	12.5	8.8	38	10	23	●
DGX 150/2/G50V 400V/3Ph	PZ/0197.001	D \	2.7	1.1	50	2	12.5	8.8	38	10	23	●
DGX 200/2/G50V 230V/1Ph	PZ/0200.001	E \	9.3	1.5	50	2	13.7	10.6	38	10	23	●
DGX 200/2/G50V 400V/3Ph	PZ/0201.001	E \	3.6	1.5	50	2	13.7	10.6	38	10	23	●

GREY RANGE

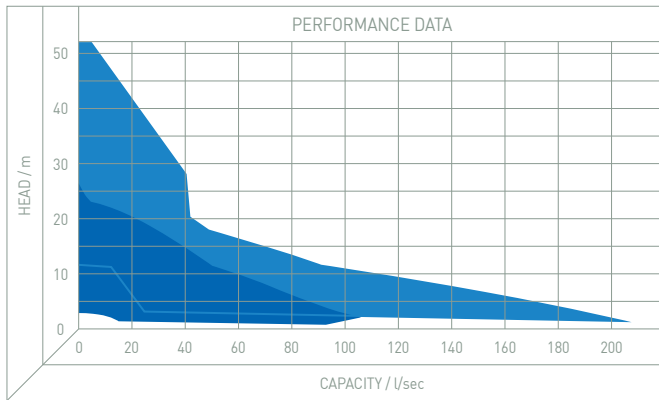
The Grey range of electric submersible pumps feature completely redesigned hydraulics and motors, guaranteeing high performance and low costs. The Grey Range is the ideal solution for pumping clear and effluent wastewater.

FEATURES

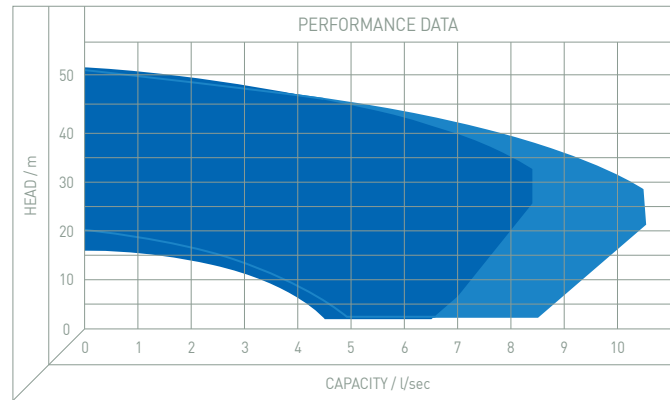
- Cast iron structure
- Three-phase motor from 0.37kW to 18.5 kW
- Insulation: class H (180°C)
- Protection rating: IP68
- 50 Hz and 60 Hz versions
- Thermal protection devices incorporated in stator
- AISI 431 drive shaft
- Two silicon carbide mechanical seals in large oil chamber
- Discharge from DN32 to DN250
- Large free passage
- ATEX versions available on request



SCAN TO SHOP ONLINE



■ DRG ■ DGG



■ APG ■ GRG

INSTALLATION TYPES

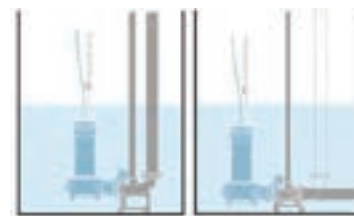
A full range of accessories supplied as standard simplifies any installation.



FREE installation



PERMANENT installation



Installation with BOTTOM COUPLER



BOTTOM COUPLERS

- Cast iron body – steel metal fasteners
- Vertical and horizontal discharge
- DN 65 ÷ DN 250



BALL CHECK VALVES

- Cast iron body – steel metal fasteners
- Rubber ball
- DN 65 ÷ DN 250



GATE VALVES

- Cast iron body with bronze seats
- Full free passage



DISCHARGE BENDS

- In cast iron or galvanised steel
- Full free passage
- DN 65 ÷ DN 250



BASE PLATES

- In cast iron or galvanised steel
- Ideal for free installation



CHAINS

- In stainless and galvanised steel
- Ø 5mm, 8mm, 12mm

YOUR GUIDE TO GREY

HANDLE
Rugged stainless steel lifting and carrying handle.

CABLE GLAND
The universal GAS thread of the cable gland is able to take a sheathing pipe to protect the power cable from mechanical or chemical damage due to turbulence or the aggressive nature of the liquid.

PRESSURISED TESTING
Every model undergoes pressurised testing to guarantee perfect assembly and operation of the gaskets, cable gland and mechanical seals.

DRIVE SHAFT
Drive shaft in AISI 431 stainless steel. Connection to impeller via tapered coupling.

MECHANICAL SEALS + V-RING
Two mechanical seals in silicon carbide (SiC-SiC) enclosed in an inspectable oil chamber. This prevents all contact between the mechanical seals and any solids or filaments in the wastewater.

OIL CHAMBER
Large, inspectable oil chamber to guarantee longer mechanical seal lifetime.
Leakage detection sensor.

ANTI-CLOGGING SYSTEM [DR] [GR]
The special conformation of the hydraulic part ensures the expulsion of solids and prevents fouling of the impeller.

DGG
Vortex impeller

DRG
Channel impeller

GRG
Grinding impeller

APG
High head impeller

DGG RANGE



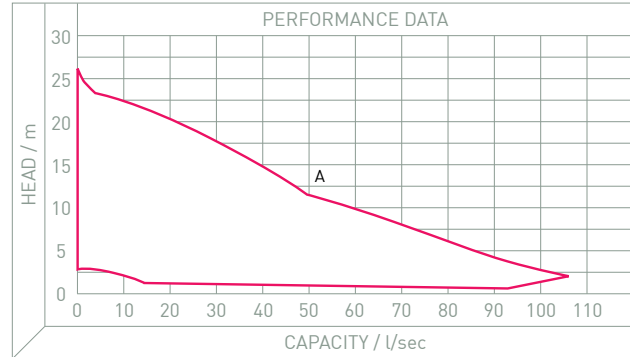
With a set back vortex impeller this submersible sewage pump is ideal for unstrained soiled biological wastewater and sewerage in civil lifting applications. Ideal for wastewater treatment plants, sewer systems, industrial and agricultural applications.

FEATURES

- Cast iron EN-GJL-250 construction
- Ecological dry-powdered motor
- Two silicon carbide mechanical seals
- Vertical and horizontal discharge

BENEFITS

- Designed for reliability and long life
- Great solids handling capacity
- Fully repairable



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
DGG 250/2/65V B0AT 400V/3Ph	PZ/1755.001	A \	3.7	1.8	65	2 1/2	12.6	12.9	65	10	35	●
DGG 300/2/65V A0ET 400V/3Ph	PZ/1438.002	A \	4.62	2.2	65	2 1/2	14.1	10	65	10	44.2	●
DGG 250/2/65 B0AT 400V/3Ph	PZ/1756.001	A \	3.7	1.8	65	2 1/2	12.6	14.5	65	10	37	●
DGG 300/2/65 C0ET 400V/3Ph	PZ/1440.002	A \	4.6	2.2	65	2 1/2	14	15.7	65	10	46.2	●
DGG 400/2/65 D0ET 400V/3Ph	PZ/1441.002	A \	6.4	3.0	65	2 1/2	17.3	17.7	65	10	50	●
DGG 550/2/65 A0FT 400V/3Ph	PZ/1517.002	A \	7.7	4.0	65	2 1/2	18.8	20.8	65	10	71.2	●
DGG 750/2/65 A0FT 400V/3Ph	PZ/1510.002	A \	10.8	5.5	65	2 1/2	21.5	23.8	65	10	73.9	●
DGG 1000/2/65 A0FT 400V/3Ph	PZ/1511.002	A \	13.7	7.5	65	2 1/2	24.5	26.9	65	10	81.8	●
DGG 200/4/65 F0ET5 400V/3Ph	PZ/1452.002	A \	3.4	1.5	65	2 1/2	9.9	16.5	65	10	55.2	●
DGG 250/4/65 F0ET5 400V/3Ph	PZ/1446.002	A \	4.3	1.8	65	2 1/2	10.9	18.0	65	10	58.1	●
DGG 300/4/65 F0ET5 400V/3Ph	PZ/1447.002	A \	5.2	2.2	65	2 1/2	12.3	19.3	65	10	58.2	●
DGG 400/4/65 G0ET5 400V/3Ph	PZ/1460.002	A \	6.72	3.0	65	2 1/2	12.3	23.1	65	10	59.8	●
DGG 250/2/80 F0AT5 400V/3Ph	PZ/1757.001	A \	3.7	1.8	80	3	7.3	17.2	80	10	35	●
DGG 300/2/80 G0ET5 400V/3Ph	PZ/1443.002	A \	4.6	2.2	80	3	8.5	13.5	80	10	44.2	●
DGG 400/2/80 H0ET5 400V/3Ph	PZ/1444.002	A \	6.3	3.0	80	3	12.3	16.8	80	10	47	●
DGG 550/2/80 N0FT5 400V/3Ph	PZ/1518.002	A \	7.7	4.0	80	3	16.3	23.1	80	10	71.6	●
DGG 750/2/80 A0FT 400V/3Ph	PZ/1512.002	A \	10.8	5.5	80	3	16.4	28.0	80	10	74.3	●
DGG 1000/2/80 A0FT 400V/3Ph	PZ/1513.002	A \	13.7	7.5	80	3	20.8	36.5	80	10	82.2	●
DGG 150/4/80 L0AT5 400V/3Ph	PZ/1765.001	A \	3	1.1	80	3	5.5	18	60	10	39	●
DGG 200/4/80 E0ET5 400V/3Ph	PZ/1453.002	A \	3.4	1.5	80	3	9.5	18	80	10	55.2	●
DGG 250/4/80 E0ET5 400V/3Ph	PZ/1450.002	A \	4.3	1.8	80	3	10.2	25.2	80	10	58.1	●
DGG 300/4/80 E0ET5 400V/3Ph	PZ/1451.002	A \	5.2	2.2	80	3	11.0	23.1	80	10	58.2	●
DGG 400/4/80 M0ET5 400V/3Ph	PZ/1461.002	A \	6.7	3.0	80	3	10.9	27.6	80	10	59.8	●
DGG 550/4/80 D0FT5 400V/3Ph	PZ/1519.002	A \	8.4	4.0	80	3	13.8	30.0	60	10	97	●
DGG 750/4/80 D0FT5 400V/3Ph	PZ/1520.002	A \	11.9	5.5	80	3	16.6	40.5	60	10	97.2	●
DGG 200/4/100 E0ET5 400V/3Ph	PZ/1470.002	A \	3.4	1.5	100	4	7.7	17	100	10	58.2	●
DGG 250/4/100 E0ET5 400V/3Ph	PZ/1454.002	A \	4.3	1.8	100	4	8.5	26.4	100	10	61.1	●
DGG 300/4/100 E0ET5 400V/3Ph	PZ/1455.002	A \	5.2	2.2	100	4	9.5	24.8	100	10	61.2	●
DGG 400/4/100 D0ET5 400V/3Ph	PZ/1456.002	A \	6.7	3.0	100	4	10.1	37.1	100	10	62.8	●
DGG 550/4/100 G0FT5 400V/3Ph	PZ/1514.002	A \	8.4	4.0	100	4	11.5	44.2	80	10	83	●
DGG 750/4/100 G0FT5 400V/3Ph	PZ/1515.002	A \	11.9	5.5	100	4	13.0	52.1	80	10	83.2	●
DGG 1200/4/100 B0HT 400V/3Ph	PZ/1651.001	A \	17	9.0	100	4	19.8	61.3	100	10	177.2	●
DGG 1500/4/100 B0HT 400V/3Ph	PZ/1652.001	A \	20.5	11.0	100	4	22.1	66.2	100	10	177.2	●
DGG 2000/4/100 B0HT 400V/3Ph	PZ/1653.001	A \	30.8	15.0	100	4	23.3	70.9	100	10	189.2	●
DGG 1200/4/150 A0HT 400V/3Ph	PZ/1654.001	A \	17	9.0	150	6	10.9	91.6	125	10	212	●
DGG 1500/4/150 A0HT 400V/3Ph	PZ/1655.001	A \	20.5	11.0	150	6	12.7	95.8	125	10	212	●
DGG 2000/4/150 A0HT 400V/3Ph	PZ/1656.001	A \	30.8	15.0	150	6	15.5	105.6	125	10	224	●



SCAN TO SHOP ONLINE



Please note: DN40 - DN50 models available online, scan QR code to shop.

Many models are available with ATEX rated motors, please enquire with our sales department for more information.

E-FLOW RANGE

Submersible sewage pumps with a single-channel impeller and explosion proof motor as standard (suitable for use in Zone 1 - hazardous gas areas).

These pumps are ideal for pumping water and other liquids, with uses in sewage, effluent and draining pumping.

The E-Flow series is available with a selection of motor / impeller combinations, enabling flexibility to match specific application and performance requirements.

FEATURES

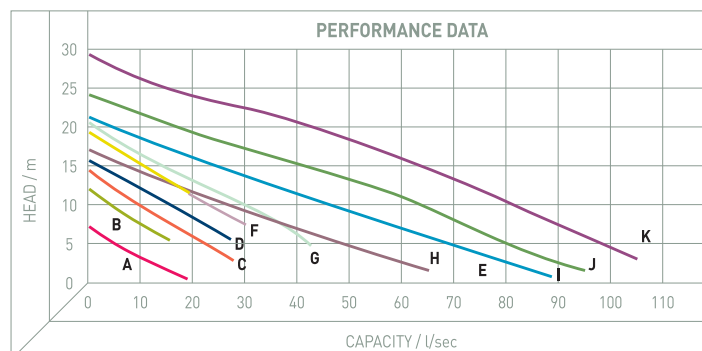
- Cast iron construction
- Double mechanical seal within oil bath
- Auto-coupling available
- Oil seal leak sensor as standard
- 100-150mm discharge

BENEFITS

- British design and manufacture
- Designed for reliability and long life
- Easy to maintain and repair
- Great solids handling capacity
- Popular product



SCAN TO SHOP ONLINE



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
E100-2.2-1 400V/3Ph	TTP/E100-2.2-1/SL	A \	5.3	2.2	100	4	7.5	19	76	20	112	●
E100-2.2-2 400V/3Ph	TTP/E100-2.2-2/SL	B \	5.3	2.2	100	4	12	15	76	20	112	●
E100-4.0-3 ASD 400V/3Ph	TTP/E100-4.0-3/SL	C \	9.0	4.0	100	4	14.2	28.3	76	20	139	●
E100-4.0-4 ASD 400V/3Ph	TTP/E100-4.0-4/SL	D \	9.0	4.0	100	4	16.3	28	76	20	139	●
E100-4.0-5 ASD 400V/3Ph	TTP/E100-4.0-5/SL	E \	9.0	4.0	100	4	20	20	76	20	139	●
E100-5.5-5 ASD 400V/3Ph	TTP/E100-5.5-5/SL	F \	12.0	5.5	100	4	19.6	20.5	76	20	141	●
E100-5.5-6 ASD 400V/3Ph	TTP/E100-5.5-6/SL	G \	12.0	5.5	100	4	21.5	42.4	76	20	141	●
E150-7.5-2 ASD 400V/3Ph	TTP/E150-7.5-2/SL	H \	16.5	7.5	150	6	17	65	105	20	217	●
E150-11-3 ASD 400V/3Ph	TTP/E150-11-3/SL	I \	23.0	11	150	6	22.2	88	105	20	287	●
E150-15-4 ASD 400V/3Ph	TTP/E150-15-4/SL	J \	30.5	15	150	6	25	93	105	20	322	●
E150-18.5-5 ASD 400V/3Ph	TTP/E150-18.5-5/SL	K \	36.5	18.5	150	6	29	105	105	20	345	●

V-FLOW RANGE

V-Flow submersible sewage pumps have a vortex-type impeller for excellent solids passage, avoidance of blockages and the ability to handle fibrous material, also incorporating an explosion-proof motor as standard (suitable for use in Zone 1 - hazardous gas areas).

These pumps are ideal for pumping water and other liquids, with uses in sewage, effluent and drainage pumping. Available with a selection of motor/impeller combinations, enabling flexibility to match specific application and performance requirements.

FEATURES

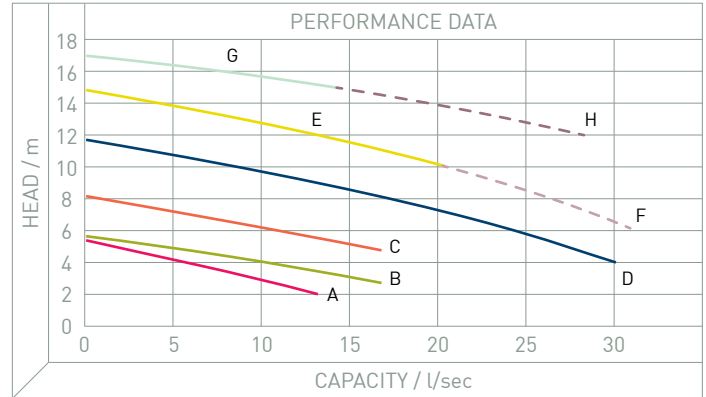
- Cast iron construction
- Double mechanical seal within oil bath
- 100mm solids handling
- 100mm discharge
- Auto-coupling available
- Oil seal leak sensor as standard

BENEFITS

- British design and manufacture
- Easy to maintain and repair
- Excellent solids handling capacity



SCAN TO SHOP ONLINE



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
V100-1.5-1 400V/3Ph	TTP/V100-1.5-1/SL	A \	4.0	1.5	100	4	5.5	13	100	20	113	●
V100-2.2-1 400V/3Ph	TTP/V100-2.2-1/SL	B \	5.3	2.2	100	4	6	17	100	20	116	●
V100-2.2-2 400V/3Ph	TTP/V100-2.2-2/SL	C \	5.3	2.2	100	4	8	17	100	20	116	●
V100-4.0-3 400V/3Ph	TTP/V100-4.0-3/SL	D \	9	4.0	100	4	12	30	100	20	142	●
V100-4.0-4 400V/3Ph	TTP/V100-4.0-4/SL	E \	9	4.0	100	4	14.5	20	100	20	142	●
V100-5.5-4 400V/3Ph	TTP/V100-5.5-4/SL	F \	12.0	5.5	100	4	14.5	31	100	20	144	●
V100-5.5-5 400V/3Ph	TTP/V100-5.5-5/SL	G \	12.0	5.5	100	4	17	14.5	100	20	144	●
V100-7.5-5 400V/3Ph	TTP/V100-7.5-5/SL	H \	16.5	7.5	100	4	17	28	100	20	165	●

UNIQA RANGE

The UNIQA range of electric submersible pumps is designed for heavy-duty professional applications where effective solids handling is required.

The UNIQAs include a motor-hydraulics combination to provide high performance and reliability with low energy consumption.

FEATURES

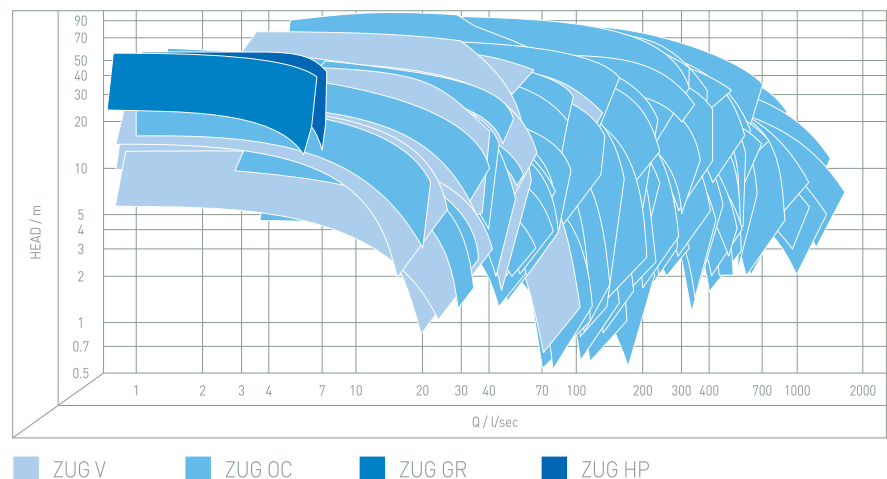
- Cast iron construction (stainless steel on request)
- Class H electric motor from 1.8 kW to 355 kW in efficiency class IE3
- 50 Hz and 60 Hz versions
- Thermal protection devices incorporated in stator
- Long life bearings (100,000 hours)
- AISI 431 drive shaft (AISI 329 on request)
- Leakage detection system in seal chamber (standard) and motor (on request)
- Two silicon carbide mechanical seals in large oil chamber and V-rings
- Discharge from DN50 to DN600
- Large free passage declared for every model
- Patented closed jacket cooling system with internal recirculation
- Operating temperature up to 60°C (up to 80°C on request)
- ATEX II 2G Ex db k iiB T4 / II SD Ex tb IIIC T135°C certification

BENEFITS

- Energy efficient
- Long term spares availability
- Designed for reliability and long life



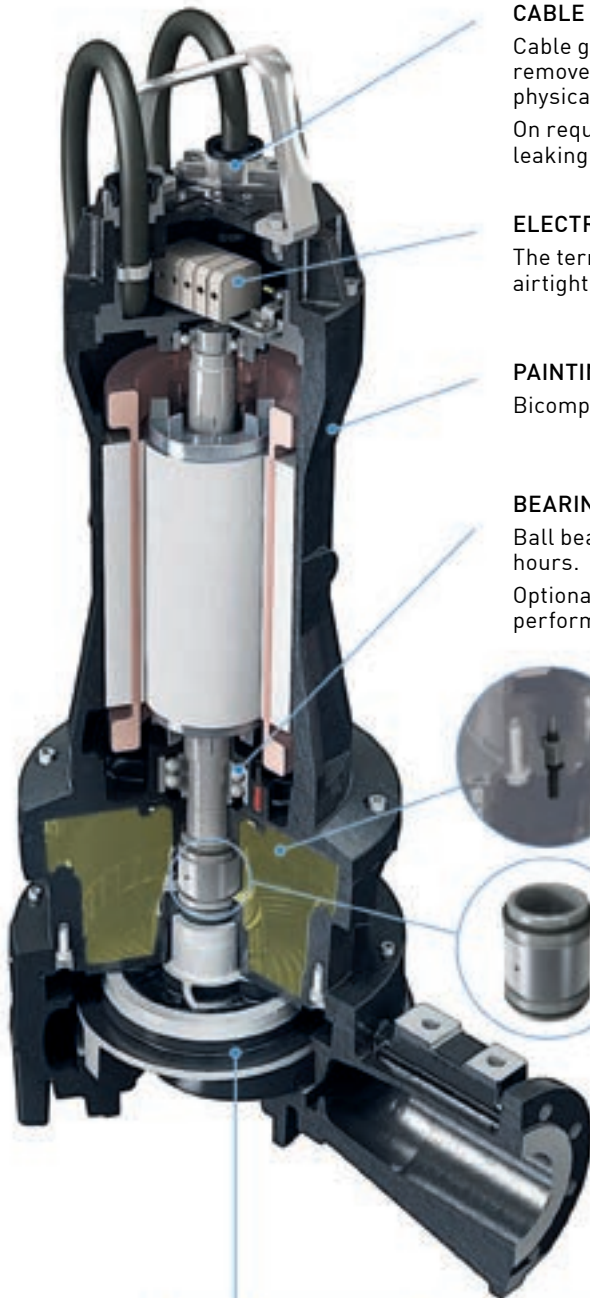
SCAN TO SHOP ONLINE



STANDARD EQUIPMENT AND OPTIONS

		STANDARD	OPTIONAL
Power supply voltage		400V	230, 500, 230/400, 440, 500/866V
Power voltage tolerance		Max ± 10% [S3 duty] Max ± 5% [S1 duty]	-
Efficiency class		IE3 - Premium Efficiency	IE2 - High Efficiency
Power supply		3 - 50Hz	VFD - 60Hz
Motor insulation class		H	-
Starting		Y Δ	Direct, Soft start
Maximum ambient temperature		40°C	60°C or above
Type of cable		S1RN8 or equivalent	EMC (VFD)
Cable length		10m	20 - 30 - 40 - 50m
Painting		Bi component epoxy - 200µm	Bi component epoxy - 400µm
Mechanical seals		2 SiC/SiC mechanical seals in oil chamber	-
Thermal sensors		Biometal thermal sensors (150°C)	PTC/PT 100 thermistors
Type of installation		Submersible	Dry
Compartment water leakage sensor (single signal)	Compartment water leakage sensor (single signal)	YES	-
	Oil chamber	NO	YES
	Motor compartment	NO	YES
	Motor compartment cover	NO	YES
Sacrificial anodes		NO	YES
Vibration sensors (bearings)		NO	YES
Temperature sensors (bearings)		NO	PTC/PTC100
ATEX certification		NO	YES [III 2G Ex db k IIB T4 / II 2D Ex tb IIIC T135°C]

YOUR GUIDE TO UNIQA



CABLE GLAND

Cable gland system with cable holder. The universal thread ring-nut can be removed to fix a rigid or flexible duct to the cable gland to protect the cable from physical and mechanical stresses.

On request a special resin seal is applied to prevent all possibility of water leaking into the motor even if the outer sheath is torn.

ELECTRICAL CONNECTIONS

The terminal board, which simplifies electrical wiring procedures, is in an airtight compartment which can be fitted with a leakage detection sensor.

PAINTING

Bicomponent epoxy paint, standard thickness 200 µm (max 400 µm on request).

BEARINGS

Ball bearings with lifetime lubrication designed to guarantee 100,000 working hours.

Optional sensors can monitor temperature and vibration to guarantee optimal performance.



WATER SENSOR

Sensor fitted as standard to detect water or moisture in the mechanical seal oil chamber. Also standard on ATEX version models.



MECHANICAL SEALS

Two silicon carbide mechanical seals in oil sump and V-rings to ensure excellent reliability even in heavy-duty conditions.

SUCTION and DISCHARGE

The suction and discharge flanges can be ordered with holes of any standard type (UNI, ANSI, BS, etc.) to ensure perfect compatibility with the system and the accessories installed.



ZUG V
Vortex hydraulics

ZUG OC
Channel hydraulics

ZUG CP
Chopper hydraulics

ZUG V
Grinder system hydraulics

ZUG HP
High head hydraulics

EXCLUSIVE COOLING SYSTEM

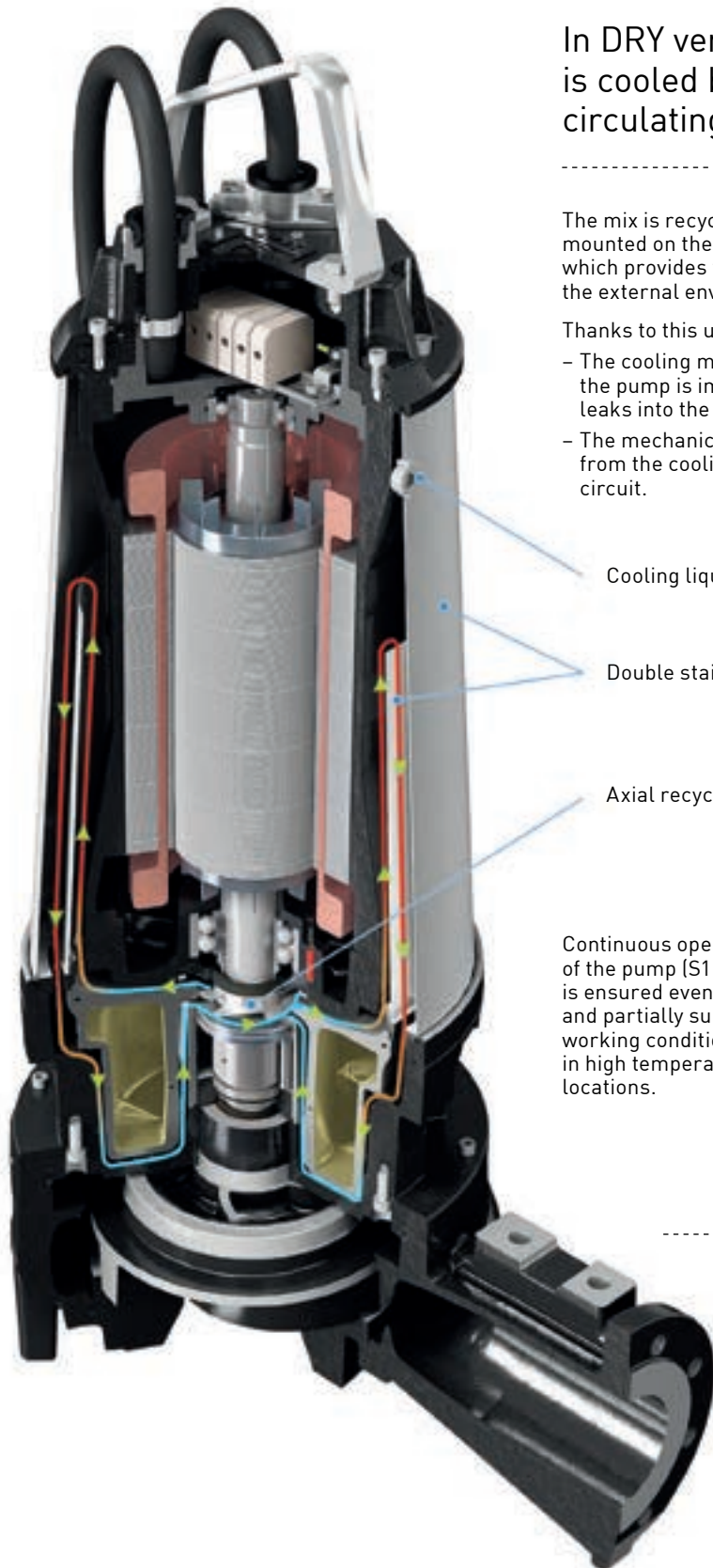


In DRY version models, the motor is cooled by a water-glycol mix circulating in a special closed circuit.

The mix is recycled through the pump by an axial impeller rigidly mounted on the shaft and the specially designed steel double jacket which provides the necessary heat exchange between the motor and the external environment.

Thanks to this unique system:

- The cooling mix is always separate from the wastewater in which the pump is immersed and cannot be contaminated, even if water leaks into the oil chamber due to wear of the first mechanical seal.
- The mechanical seals are installed in an oil chamber separated from the cooling system and can be changed without draining the circuit.

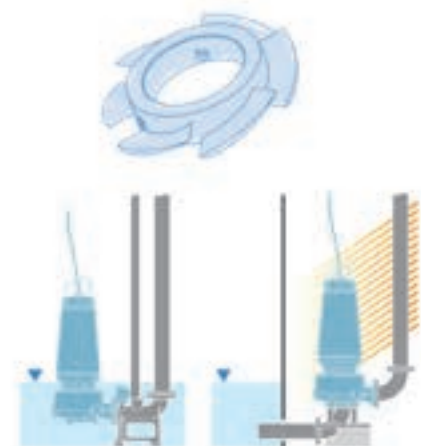


Cooling liquid inspection and filler cap

Double stainless steel jacket

Axial recycling impeller

Continuous operation of the pump (S1 duty) is ensured even in dry and partially submerged working conditions or in high temperature locations.



No unpleasant surprises

If the outer mechanical seal wears, the sensor warns that water is leaking into the oil chamber. The second mechanical seal allows the pump to continue operating temporarily, allowing for maintenance to be scheduled with no need for unplanned system stoppages.

GR BLUE PROFESSIONAL

B

The GR Blue Pro range of submersible pumps are designed for domestic and professional use - featuring a cast iron impeller and chromium steel cutter, boasting high-heads and an impressive 69,000 cuts per minute.

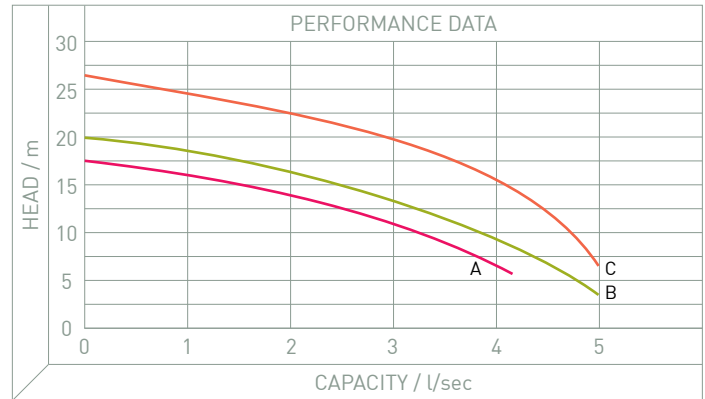
The GR Blue Pro models are equipped with an intake cutting system composed of a steel plate and a triple-bladed rotar cutter. This system cuts solid content to ensure smooth pump function.

FEATURES

- Cast iron construction & impeller
- Double mechanical seal within oil bath
- 7mm solids handling
- 40mm horizontal discharge
- Cutting action gives 69,000 cuts per minute
- Automatic as standard; can be converted to manual upon request
- Threaded, flanged discharge
- Auto-coupling available

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		CABLE* m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec			
GR BLUE PRO 100/2/G40H 230V/1Ph	PZ/1116.002	A \	5.5	0.74	40	1 ½	17	4.7	10	19	
GR BLUE PRO 100/2/G40H 400V/3Ph	PZ/1117.002	A \	2.7	0.74	40	1 ½	17	4.7	10	19	
GR BLUE PRO 150/2/G40H 230V/1Ph	PZ/1118.001	B \	7.5	1.1	40	1 ½	20	5	10	24	
GR BLUE PRO 150/2/G40H 400V/3Ph	PZ/1119.002	B \	3.2	1.1	40	1 ½	20	5	10	24	
GR BLUE PRO 200/2/G40H 230V/1Ph	PZ/1120.001	C \	10	1.5	40	1 ½	26	5.6	10	25	
GR BLUE PRO 200/2/G40H 400V/3Ph	PZ/1121.001	C \	4.3	1.5	40	1 ½	26	5.6	10	25	

Please note: *Extended cable is not available on these pump models. Ten metre cable will be supplied as standard.

Sewage Pumps

Grinder and Cutter Pumps



GRI GRINDER RANGE

B

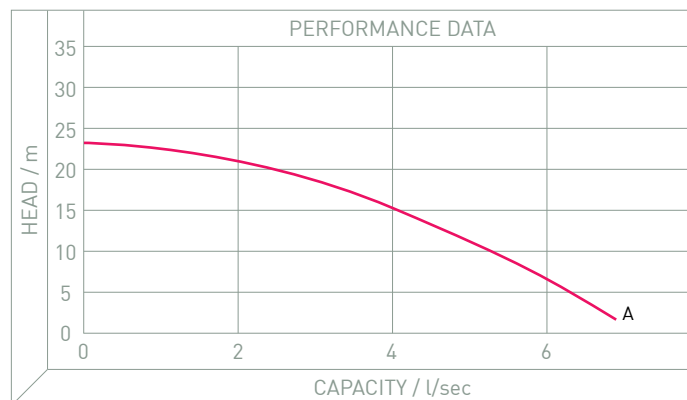
The GRI range features a multi-channel open impeller and separate rotating cutter blades operating at the pump intake. Well-suited for use with liquids containing solids that require cutting prior to being pumped, minimising the risk of blockages.

FEATURES

- Cast iron construction
- Auto-coupling available
- Cutting action gives 69,000 cuts per minute
- Threaded, flanged discharge

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair



SEWAGE PUMPS - 2

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
GRI 200/2/G50H A0CM5 230V/1Ph	PZ/0278.004	A \	10.6	1.7	50	2	22.5	6.8	0	10	32	●
GRI 200/2/G50H A0CT5 400V/3Ph	PZ/0279.004	A \	3.8	1.7	50	2	22.5	6.8	0	10	32	●



SCAN TO SHOP ONLINE

GRG GRINDER RANGE



B

The GRG range of submersible pumps feature cast-iron multi-channel open impeller, equipped with an external cutting mechanism capable of 69,000 cuts per minute. Ideal for the treatment of liquids containing suspended solids or fibres.

FEATURES

- Cast iron EN-GJL-250 construction
- Two silicon carbide mechanical seals in oil chamber
- Leakage detection sensor

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair



PUMP TYPE	PRODUCT CODE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
		amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
GRG 250/2/G40H A0AT5 400V/3Ph	PZ/1750.001	3.7	1.8	40	1 1/2	28.2	5.4	0	10	32	●
GRG 300/2/G50H C0ET5 400V/3Ph	PZ/1465.002	4.62	2.2	50	2	30.3	5.3	0	10	43.2	●
GRG 400/2/G50H D0ET5 400V/3Ph	PZ/1467.002	6.4	3.0	50	2	35.8	4.8	0	10	45	●
GRG 550/2/G50H D0FT5 400V/3Ph	PZ/1522.002	7.73	4.0	50	2	42.5	4.5	0	10	57.6	●
GRG 750/2/G50H A0FT 400V/3Ph	PZ/1506.002	10.8	5.5	50	2	46.6	8.4	0	10	60.3	●
GRG 1000/2/G50H A0FT 400V/3Ph	PZ/1507.002	13.7	7.5	50	2	53.7	8.4	0	10	68.2	●



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Please note: Many models are available with ATEX rated motors, please enquire with our sales department for more information.

Same day dispatch. ● Lead time may apply.

t pumps.com

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TT305/TT505/TT510



The TT305, TT505, TT510 submersible pumps are designed for transferring sewage and effluent and for dirty water drainage.

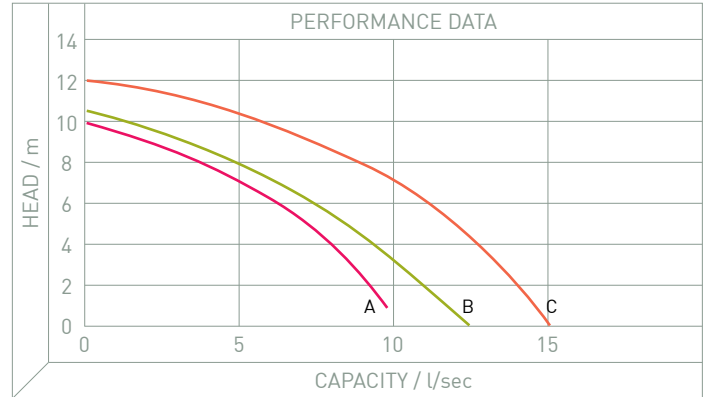
This range of pumps has shredding action produced by the impeller rotating against a special serrated suction cover, reducing any destructible matter to a manageable size for pumping, minimising the risk of blockages and providing better efficiency and economy.

FEATURES

- Cast iron construction
- Double mechanical seal within oil bath
- Thermal cut out switch built into motor
- 15mm solids handling
- 80mm discharge
- Auto-coupling available

BENEFITS

- British design
- Designed for reliability and long life
- Easy to maintain and repair
- Popular product



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
TT305 230V/1Ph	TTP/TT305/1	A \	7.5	0.85	80	3	10	10	15	10	51	●
TT305 400V/3Ph	TTP/TT305/3	A \	2.0	0.85	80	3	10	10	15	10	51	🚚
TT505 230V/1Ph	TTP/TT505/1	B \	9.6	1.25	80	3	10.5	12.5	15	10	55	🚚
TT505 400V/3Ph	TTP/TT505/3	B \	2.6	1.25	80	3	10.5	12.5	15	10	55	🚚
TT510 400V/3Ph	TTP/TT510/3	C \	3.5	1.8	80	3	12	15	15	10	55	🚚



TT1008/TT1409



The TT1008 and TT1409 submersible pumps are designed for transferring sewage and effluent and for dirty water drainage.

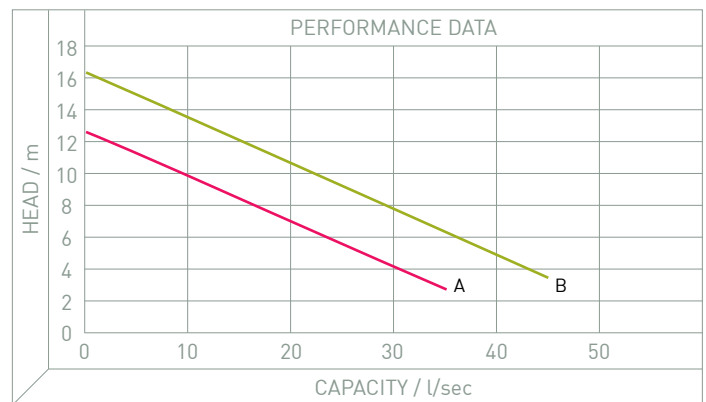
A shredding action is produced by the impeller rotating against a special serrated suction cover; reducing any destructible matter to a manageable size for pumping.

FEATURES

- Cast iron construction
- Double mechanical seal within oil bath

BENEFITS

- British design
- Designed for reliability and long life
- Easy to maintain and repair



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
TT1008 400V/3Ph	TTP/TT1008/3	A \	8.5	4.0	100	4	12.5	35.8	10	8	140	🚚
TT1409 400V/3Ph	TTP/TT1409/3	B \	11.1	5.5	100	4	16.1	45	10	8	140	●



Sewage Pumps

Chopper Pumps



PTS40 CHOPPER PUMP

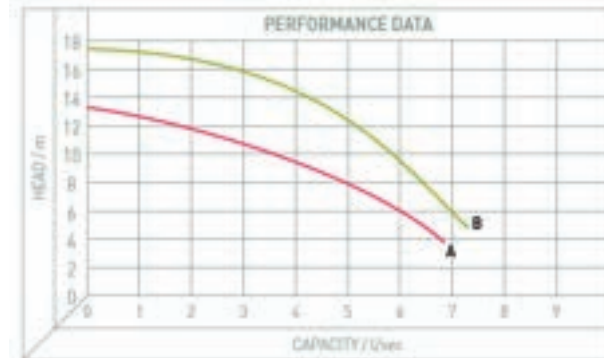
A submersible chopper pump with multi-channel impeller and double chopper system.

FEATURES

- Automatic or manual versions available
- Horizontal or vertical configuration
- Available in single or three phase

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Robust



SEWAGE PUMPS - 2

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
PTS 0.75-40 400V/3Ph	PCR/PTS0.75/40	A \	5.0	0.75	40	1 1/2	13.5	6.25	9	10	24	●
PTS 1.1-40 230V/1Ph	PCR/PTS1.1-40	B \	7.3	1.1	40	1 1/2	17.5	7.2	9	10	20	●



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PTS65-150 CHOPPER RANGE

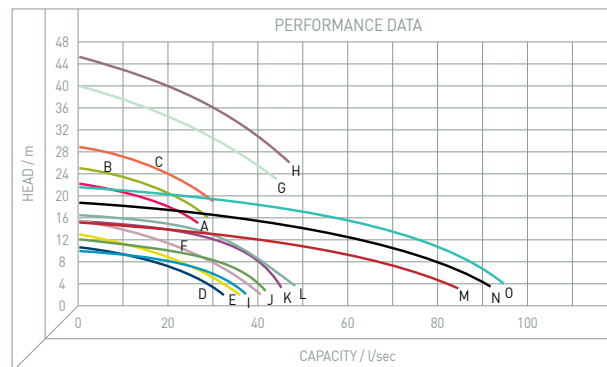
A submersible chopper pump with multi-channel impeller and double chopper system.

FEATURES

- Cast iron construction
- Heavy duty double chopping system
- Double mechanical seal within oil bath
- Auto coupling available
- Available with seal leak probe
- Nitec corrosion resistant coating available

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Robust



	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	mm	inch	HEAD m	CAPACITY l/sec			
4 POLE MOTOR	PTS 2.2-80N 400V/3Ph*	PCR/PTS2.2-80/3	A \	5.3	2.2	80	3	10.6	28	10	74	●
	PTS 3-80N 400V/3Ph*	PCR/PTS3-80/3	B \	6.4	3	80	3	12.8	27	10	77	●
	PTS 4-80N 400V/3Ph*	PCR/PTS4-80/3	C \	9.1	4	80	3	14.6	30	10	78	●
	PTS 4-100 400V/3Ph	PCR/PTS4-100/3	D \	9.1	4	100	4	9.8	37.5	10	88	●
	PTS 5.5-100 400V/3Ph	PCR/PTS5.5-100/3	E \	12.5	5.5	100	4	12	42	10	122	●
	PTS 7.5-100 400V/3Ph	PCR/PTS7.5-100/3	F \	15.8	7.5	100	4	14.8	45	10	128	●
	PTS 9-100 400V/3Ph	PCR/PTS9-100/3	G \	19.0	9	100	4	16.1	48	10	133	●
	PTS 11-150 400V/3Ph	PCR/PTS11-150/3	H \	23.5	11	150	6	15.2	84	10	213	●
	PTS 15-150 400V/3Ph	PCR/PTS15-150/3	I \	30.0	15	150	6	18.6	93	10	226	●
	PTS 18.5-150 400V/3Ph	PCR/PTS18.5-150/3	J \	36.5	18.5	150	6	21.5	95	10	229	●
2 POLE MOTOR	PTS 15-80N 400V/3Ph*	PCR/PTS15-80/3	K \	31.2	15	80	3	38.9	32	10	169.5	●
	PTS 18.5-80N 400V/3Ph*	PCR/PTS18.5-80/3	L \	36.5	18.5	80	3	45.8	39	10	184	●



SCAN TO SHOP ONLINE



Please note: *Available with 100mm heavy duty cutting system.

Many models are available with ATEX rated motors, please enquire with our sales department for more information.

Same day dispatch. ● Lead time may apply.

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PTS100K-200 CHOPPER RANGE



The heavy-duty cutting system consists of a serrated suction cover, cutting blades and twin cutting blocks, going into an open multi-channel impeller which means that you have a truly hassle-free design.

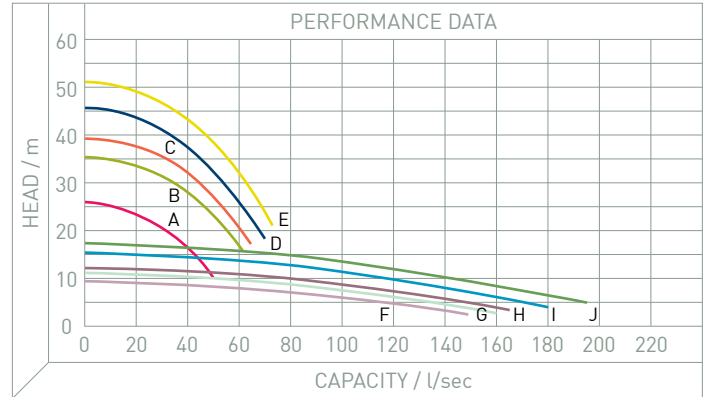
This range has been used in farming, abattoirs, biogas plants, and food processing. We can also provide specialist coatings for corrosive applications and for high and low pH levels.

FEATURES

- Cast iron construction
- Heavy duty double cutting system
- Double mechanical seal in oil bath
- Free-standing only
- Available with seal leak
- Nitec corrosion resistant coating available

BENEFITS

- Designed for reliability
- Easy to maintain and fully repair
- Robust



SCAN TO SHOP ONLINE



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY U/sec				
PTS 15-100K 400V/3Ph	PCR/15-100K/3	A \	30	15.0	100	4	25	50	8	10	445	●
PTS 25-100K 400V/3Ph	PCR/25-100K/S	B \	47	25.0	100	4	35	61	8	10	463	●
PTS 30-100K 400V/3Ph	PCR/30-100K/3	C \	56	30.0	100	4	39	65	8	10	475	●
PTS 37-100K 400V/3Ph	PCR/37-100K/3	D \	68	37.0	100	4	45	70	8	10	565	●
PTS 45-100K 400V/3Ph	PCR/45-100K/3-1	E \	82	45.0	100	4	9.5	150	51	10	579	●
PTS 15-200 400V/3Ph	PCR/15-200/3	F \	30	15.0	200	8	9	150	51	10	475	●
PTS 18.5-200 400V/3Ph	PCR/18.5-200/3	G \	38	18.5	200	8	11	161	51	10	490	●
PTS 22-200 400V/3Ph	PCR/22-200/3	H \	43	22.0	200	8	12	165	51	10	565	●
PTS 25-200 400V/3Ph	PCR/25-200/3	I \	48	25.0	200	8	15	180	51	10	577	●
PTS 30-200 400V/3Ph	PCR/30-200/3	J \	58	30.0	200	8	17	195	51	10	601	●

ST-R RANGE

Self-priming trash pumps ideal for pumping liquids with large solids in suspension. They are used for purification plants and sewage systems where their maintenance friendly design provides a completely safe, waste management solution.

FEATURES

- Rapid self-priming without foot valve. Once filled with water, the pump is automatically primed to a height of 7.5m
- Total safety for operators. Being placed outside and above liquid to be pumped, inspection and maintenance of the pump are made easier, with greatly reduced health and safety hazards for personnel
- Two vane semi-open impeller handling up to 3" (76mm) solids
- Easy maintenance: back pull-out rotating assembly which can be removed without dismantling the pipes or pump casing
- Material of construction: Ductile iron or ductile iron with internal components in stainless steel

BENEFITS

- Designed for reliability and long life
- Easy to maintain
- Fully repairable



SCAN
TO SHOP
ONLINE



STR - BARE SHAFT



STR - BASE COMPLETE
WITH MOTOR

PUMP TYPE	PRODUCT CODE	MAXIMUM		FREE PASSAGE mm	MOTOR SIZE kW	INLET x OUTLET	WEIGHT kg	DELIVERY STATUS
		HEAD m	FLOW m ³ /h					
ST-R25 G10E	ST-R25 G10E	37	48	38	7.5	2" BSP	102	●
ST-R35 G10E	ST-R35 G10E	38	110	62	18.5	3" BSP	192	●
ST-R45 G10E	ST-R45 G10E	37	180	76	22	4" BSP	270	●
ST-R65 G10E	ST-R65 G10E	36	365	76	30	8" ANSI	370	●
ST-85 G10E	ST-85 G10E	36	600	76	50	DN200 PN16	625	●

SECTION 03 CONTRACTORS PUMPS



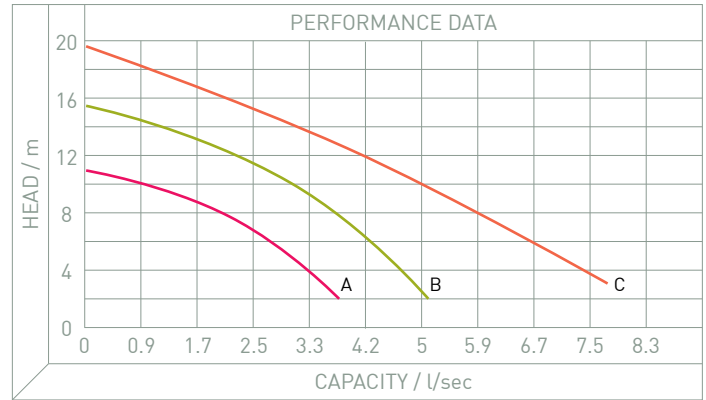
Liberator™ SUBMERSIBLE DRAINAGE PUMP

A

The Liberator Range of 2" submersible drainage pumps are compact, light and powerful - suitable for ground water and water containing sand and silt. Ideal for small water features, cellars, basements and many further applications.

FEATURES

- 400V, 230V and 110V contractors pump
- Stainless steel outer casing and aluminium inner casing
- Urethane impeller
- Auto reset thermal protector
- Double mechanical seal
- 7mm solids handling
- 0.4 - 1.5kW output
- 50mm discharge
- Interchangeable major components between Trencher, Liberator and PuddlePal



BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Lightweight and easy to handle
- Great investment for hire fleets



F FLOAT



Z FLOAT

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
LIBERATOR400 110V/1Ph	TTP/LIB400/110V	A \	6.0	0.4	50	2	11	3.8	7	10	13.5	
LIBERATOR400 230V/1Ph	TTP/LIB400/230V	A \	3.0	0.4	50	2	11	3.8	7	10	13.5	
LIBERATOR400 400V/3Ph	TTP/LIB400/400V	A \	0.9	0.4	50	2	11	3.8	7	10	13	
LIBERATOR400 110V/1Ph	TTP/LIB400/110VF	A \	6.0	0.4	50	2	11	3.8	7	10	13	
LIBERATOR400 230V/1Ph	TTP/LIB400/230VF	A \	3.0	0.4	50	2	11	3.8	7	10	13	
LIBERATOR400 110V/1Ph	TTP/LIB400/110VZ	A \	6.0	0.4	50	2	11	3.8	7	10	13	
LIBERATOR400 230V/1Ph	TTP/LIB400/230VZ	A \	3.0	0.4	50	2	11	3.8	7	10	13	
LIBERATOR750 110V/1Ph	TTP/LIB750/110V	B \	11.0	0.75	50	2	15.8	5	7	10	16.2	
LIBERATOR750 230V/1Ph	TTP/LIB750/230V	B \	5.4	0.75	50	2	15.8	5	7	10	16	
LIBERATOR750 400V/3Ph	TTP/LIB750/400V	B \	1.9	0.75	50	2	15.8	5	7	10	16.3	
LIBERATOR750 110V/1Ph	TTP/LIB750/110VF	B \	11.0	0.75	50	2	15.8	5	7	10	16	
LIBERATOR750 230V/1Ph	TTP/LIB750/230VF	B \	5.4	0.75	50	2	15.8	5	7	10	16	
LIBERATOR750 110V/1Ph	TTP/LIB750/110VZ	B \	11.0	0.75	50	2	15.8	5	7	10	16	
LIBERATOR750 230V/1Ph	TTP/LIB750/230VZ	B \	5.4	0.75	50	2	15.8	5	7	10	16	
LIBERATOR1500 110V/1Ph	TTP/LIB1500/110V	C \	26	1.5	50	2	20	7.8	7	10	24.2	
LIBERATOR1500 230V/1Ph	TTP/LIB1500/230V	C \	12.0	1.5	50	2	20	7.8	7	10	23.7	
LIBERATOR1500 400V/3Ph	TTP/LIB1500/400V	C \	3.5	1.5	50	2	20	7.8	7	10	23.8	

CONVERSION KIT

With our conversion kits, you can convert a Liberator to a Trencher or a Trencher to a Liberator, therefore providing one pump for two applications.



STOCK CODE	PRODUCT
PHS/PAL400-LB400	CONVERSION KIT PAL400 - LB400
PHS/LB400-PAL400	CONVERSION KIT LB400 - PAL400



SCAN TO SHOP ONLINE

C


SCAN TO SHOP ONLINE

Contractors Pumps

Small Contractors Pumps



Liberator™ STAINLESS STEEL

A

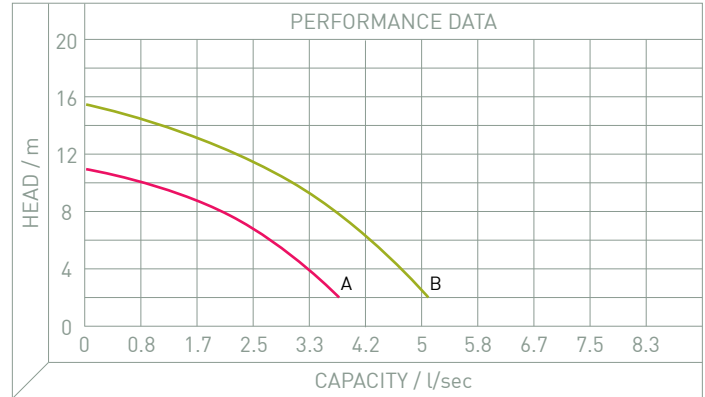
The Liberator Stainless Steel (316) is the ideal submersible pump for chemically abrasive and salt water applications. The Liberator Stainless Steel (316) shares the same compact, light and powerful features of the standard Liberator range. They are also suitable for groundwater and water containing sand and silt – maximum solids handling of 7mm.

FEATURES

- Complete stainless steel unit
- Compact, lightweight design
- Double mechanical seal
- Auto reset thermal protector
- 7mm solids handling
- 0.4 – 0.75kW output
- 50mm discharge

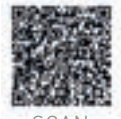
BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Great corrosion resistance



CONTRACTORS PUMPS - 3

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
SS/316 LIB400 230V/1Ph	TTP/LIB400/SS/316	A \	3.0	0.4	50	2	11	3.8	7	10	17	
SS/316 LIB750 230V/1Ph	TTP/LIB750/SS/316	B \	5.4	0.75	50	2	15.8	5	7	10	19	



SCAN TO SHOP ONLINE

Liberator™ VORTEX

A

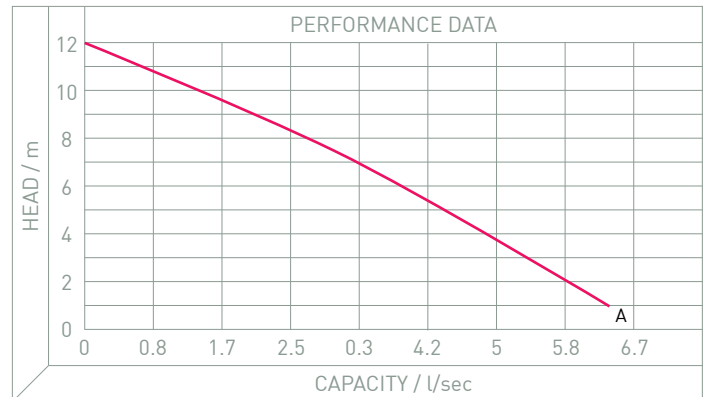
The Liberator Vortex is an extension to our popular Liberator range and provides high resistance to liquids containing sand and gravel. It has a light and compact design making it ideal for emergency dewatering.

FEATURES

- High resistance to liquids containing sand and gravel
- Steel coated with thermoplastic polyester elastomer
- Free passage up to 38mm in diameter
- Pump body is highly resistant to impact
- Single phase 110V, 50Hz; 230V, 50Hz
- Three phase 400V, 50Hz
- 50mm discharge

BENEFITS

- British design
- Durable construction
- Quick and easy replacement of wear components
- Double mechanical seal
- Lightweight and easy to handle



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
Liberator Vortex 110V/1Ph	TTP/LIBV750/110V	A \	11.5	0.75	50	2	11.7	6.3	38	10	15	
Liberator Vortex 230V/1Ph	TTP/LIBV750/230V	A \	5.6	0.75	50	2	11.7	6.3	38	10	15	
Liberator Vortex 400V/3Ph	TTP/LIBV750/400V	A \	2.0	0.75	50	2	11.7	6.3	38	10	15	



SCAN TO SHOP ONLINE

Same day dispatch. Lead time may apply.

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Trencher™ SUBMERSIBLE DEWATERING PUMP

A

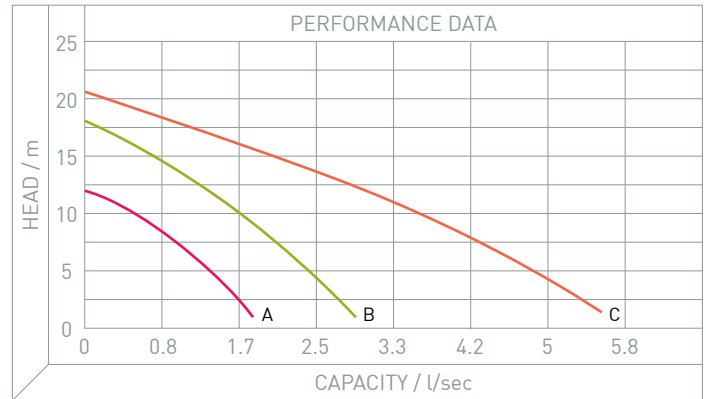
The Trencher Range of submersible 2" drainage pumps are compact, light and powerful - suitable for groundwater and water containing sand and silt. Used for small water features, cellars, basements and many further applications. 0.4-1.5 kW, 21m maximum head and 11.1 l/sec maximum capacity.

FEATURES

- Cast iron volute and aluminium motor casing
- High abrasive resistant resin
- Vortex impeller
- Double mechanical seal
- Power Supply: Single phase 110V, 50Hz; Single phase 230V, 50Hz; Three phase 400V, 50Hz
- Built in agitator
- Auto thermal protector - non-air locking
- 0.4 - 1.5 kW output
- 50mm discharge
- Interchangeable major components between Trencher, Liberator, and PuddlePal

BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Lightweight and easy to handle



PUMP TYPE	PRODUCT CODE	CURVE	OPERATION	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
T400 110V/1Ph	TTP/T400/110V	A \	MANUAL	6	0.4	50	2	12	3.6	7	10	13	
T400F 110V/1Ph	TTP/T400/110VF	A \	F FLOAT	6	0.4	50	2	12	3.6	7	10	13.3	
T400Z 110V/1Ph	TTP/T400/110VZ	A \	Z FLOAT	6	0.4	50	2	12	3.6	7	10	13.3	
T400 230V/1Ph	TTP/T400/230V	A \	MANUAL	3	0.4	50	2	12	3.6	7	10	13	
T400F 230V/1Ph	TTP/T400/230VF	A \	F FLOAT	3	0.4	50	2	12	3.6	7	10	13.3	
T400Z 230V/1Ph	TTP/T400/230VZ	A \	Z FLOAT	3	0.4	50	2	12	3.6	7	10	13.3	
T400 400V/3Ph	TTP/T400/400V	A \	MANUAL	0.9	0.4	50	2	12	3.6	7	10	13	
T750 110V/1Ph	TTP/T750/110V	B \	MANUAL	11	0.75	50	2	18	5.8	7	10	15.5	
T750F 110V/1Ph	TTP/T750/110VF	B \	F FLOAT	11	0.75	50	2	18	5.8	7	10	15.8	
T750Z 110V/1Ph	TTP/T750/110VZ	B \	Z FLOAT	11	0.75	50	2	18	5.8	7	10	15.8	
T750 230V/1Ph	TTP/T750/230V	B \	MANUAL	5.4	0.75	50	2	18	5.8	7	10	15.5	
T750F 230V/1Ph	TTP/T750/230VF	B \	F FLOAT	5.4	0.75	50	2	18	5.8	7	10	15.8	
T750Z 230V/1Ph	TTP/T750/230VZ	B \	Z FLOAT	5.4	0.75	50	2	18	5.8	7	10	15.8	
T750 400V/3Ph	TTP/T750/400V	B \	MANUAL	1.9	0.75	50	2	18	5.8	7	10	15.5	
T1500 110V/1Ph	TTP/T1500/110V	C \	MANUAL	26	1.5	50	2	21	11.1	7	10	19.6	
T1500 230V/1Ph	TTP/T1500/230V	C \	MANUAL	12	1.5	50	2	21	11.1	7	10	19.6	
T1500 400V/3Ph	TTP/T1500/400V	C \	MANUAL	4	1.5	50	2	21	11.1	7	10	19.6	
3" Discharge for T750/T1500*	PHS/80MMHTAIL												



SCAN TO SHOP ONLINE

CONVERSION KIT

C

With our conversion kits, you can convert a Trencher to a Puddlepal therefore providing one pump for two applications.



STOCK CODE	PRODUCT
PHS/T400POS.16	CONVERSION KIT T400 - T400PAL



SCAN TO SHOP ONLINE

Contractors Pumps

Small Contractors Pumps



Trencher™
Slurry Mate

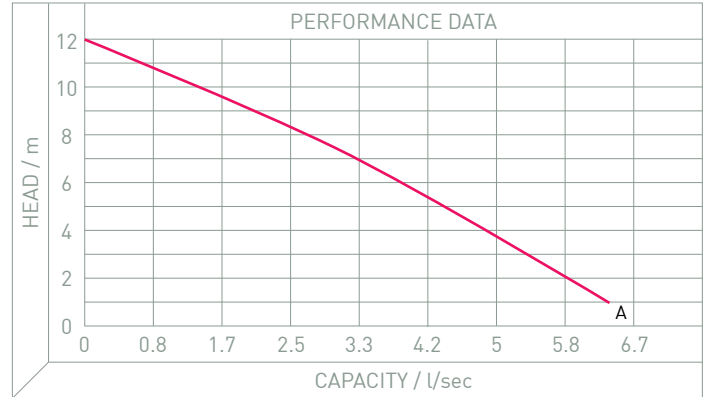
TRENCHER SLURRY MATE

A

The Trencher Slurry Mate is suitable for pumping heavily laden muddy water. The impeller and agitator is made of high chrome alloy to ensure durability. The semi vortex impeller reduces clogging caused by sand, making this pump ideal for construction and building sites.

FEATURES

- Water temperature: Up to 40°C
- PH: 6.5 to 8.5
- Power supply: single-phase 230V, 50Hz; three-phase 400V, 50Hz
- Insulation class: F
- Protection class: IP 68
- Maximum immersion depth: 10m



BENEFITS

- British design
- Designed for reliability and long life
- Lightweight and easy to handle
- Double mechanical seal
- Easy to handle



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
TRENCHER SLURRY MATE 230V/1Ph	TTP/T500SM/1	A \	4.0	0.55	50	2	7	6.3	9	8	15.5	
TRENCHER SLURRY MATE 400V/3Ph	TTP/T500SM/3	A \	1.7	0.55	50	2	7	6.3	9	8	15.5	

Please note: See our KTA range for larger units. (Page 51)

COMING SOON... INLINE NON RETURN VALVE

Suitable for T-T's range of 2" and 3" Liberator, Trencher, Puddlepal and KT Contractors Range.

Please contact our sales department for more information.



Please note: The above image is for illustrative purposes only.

Same day dispatch. Lead time may apply.

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Puddlepal™ 2" PUDDLE PUMP



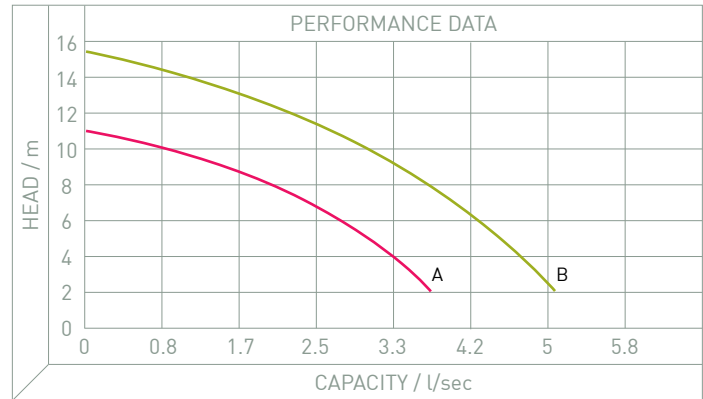
The Puddlepal can be identified as a puddle sucker or residue pump, greatly favoured by Hire Companies and the Emergency Services for its ability to pump liquids down to 1mm whilst pumping good volumes in flood conditions. This makes the Puddlepal the ideal companion when dealing with flood water, allowing the remaining water at lower levels to be swept to the pump for final removal.

FEATURES

- Cast iron casing, stainless steel outer casing and aluminium inner casing
- High abrasive resistant resin
- Vortex impeller
- Single phase 110V, 230V, 50Hz; Three phase 400V, 50Hz
- Interchangeable major components between Trencher, Liberator and Puddlepal
- Double mechanical seal
- Auto thermal protector - Non-air locking
- 0.4 – 0.75 kW output
- 50mm discharge

BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Lightweight and easy to handle



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
PAL400 110V/1Ph	TTP/PAL400/110V	A \	6.0	0.4	50	2	11	3.75	6	10	14.5	
PAL400 230V/1Ph	TTP/PAL400/230V	A \	3.0	0.4	50	2	11	3.75	6	10	14.5	
PAL400 400V/3Ph	TTP/PAL400/400V	A \	0.9	0.4	50	2	11	3.75	6	10	12	
PAL750 110V/1Ph	TTP/PAL750/110V	B \	11.0	0.75	50	2	15.8	5	6	10	16.9	
PAL750 230V/1Ph	TTP/PAL750/230V	B \	5.4	0.75	50	2	15.8	5	6	10	16.7	
PAL750 400V/3Ph	TTP/PAL750/400V	B \	1.9	0.75	50	2	15.8	5	6	10	12	



SCAN TO SHOP ONLINE

PUDDLEPAL CONVERSION KIT



With our conversion kits, you can convert a Puddlepal to a Liberator or a Liberator to a Puddlepal, therefore providing one pump for two applications.



STOCK CODE	PRODUCT
PHS/PAL400-LB400	CONVERSION KIT PAL400 - LB400
PHS/LB400-PAL400	CONVERSION KIT LB400 - PAL400



SCAN TO SHOP ONLINE

Contractors Pumps

Small Contractors Pumps



CONTRACTORS PUMPS - 3

A

PALPACK

The PalPack is a combination of a submersible dewatering pump, control unit and level detector for peace of mind dewatering.

The PalPack is available in two options, option one consists of the Puddlepal, WaterGuard and WaterVole, this is suitable for applications where a standard level control is required.

Option two consists of the Puddlepal, WaterGuard Pro and one WaterVole Pro level detectors, this is suitable for applications where a high level alarm warning system is required.

BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Lightweight
- Easy to install



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
PALPACK 400 110V	TTP/PAL400/110WV	A \	6	0.4	50	2	11	3.75	6	10	14.4	
PALPACK PRO 400 110V	TTP/PAL400/110WV2	A \	6	0.4	50	2	11	3.75	6	10	16.2	
PALPACK 400 230V	TTP/PAL400/230WV	A \	3	0.4	50	2	11	3.75	6	10	14.4	
PALPACK PRO 400 230V	TTP/PAL400/230WV2	A \	3	0.4	50	2	11	3.75	6	10	16.2	
PALPACK 750 110V	TTP/PAL750/110WV	B \	11	0.75	50	2	15.8	5	6	10	14.4	
PALPACK PRO 750 110V	TTP/PAL750/110WV2	B \	11	0.75	50	2	15.8	5	6	10	16.2	
PALPACK 750 230V	TTP/PAL750/230WV	B \	5.4	0.75	50	2	15.8	5	6	10	14.4	
PALPACK PRO 750 230V	TTP/PAL750/230WV2	B \	5.4	0.75	50	2	15.9	5	6	10	16.2	



Same day dispatch. Lead time may apply.

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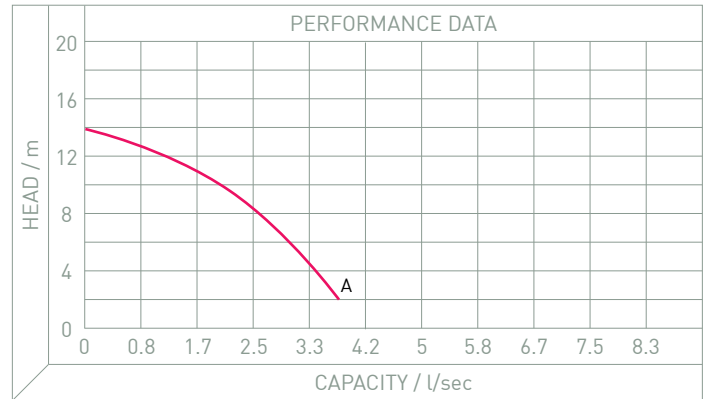
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The FloodBuddy is a submersible emergency dewatering set that contains a stainless steel pump with built-in level switch, integrated check valve and mounting bracket among other beneficial components. Ideal for emergency dewatering with a plug and play feature, the FloodBuddy can be used anywhere that flooding may occur.

FEATURES

- Stainless steel Liberator 400 pump with built in level switch
- Integrated check valve and mounting bracket
- 10m cable
- 10m hose with quick release coupling set
- Made of stainless steel
- Transport box with 8x8mm holes as protection against coarse solids
- Pump may be used outside of the box



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec			
FLOOD BUDDY 110V	TTP/FLOODBUD/1	A \	0.4	3.7	50	2	14	3.8	7	14	
FLOOD BUDDY 230V	TTP/FLOODBUD/2	A \	0.4	7.4	50	2	14	3.8	7	17	



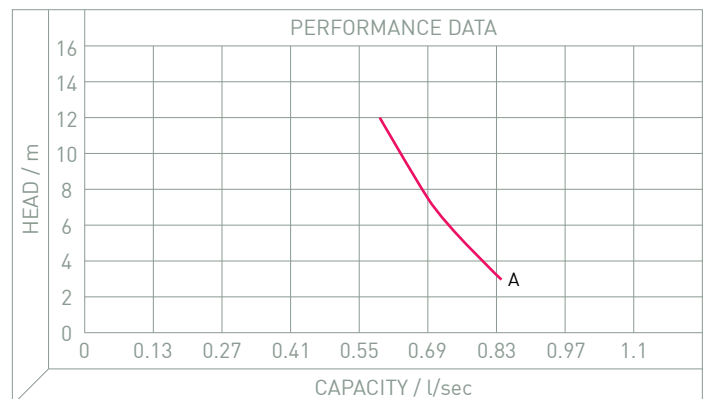
SCAN TO SHOP ONLINE



The PuddleMate is a mobile diaphragm pump with 1" suction and discharge hoses of 3.5 metres. Its universal application through five interchangeable nozzles make this portable plug and play product user friendly, robust and durable.

FEATURES

- Mobile diaphragm pump with 1" suction and discharge hoses of 3.5 metres
- Universal application through five interchangeable suction nozzles
- Available in 230v and 110v with 10-metre power cable
- Available in two options: PuddleMate for water and PuddleMate for oil-contaminated water (oil resistant diaphragm and hoses)
- Robust and durable
- Resistant to abrasive waste such as small stones, sludge and leaves
- Portable plug and play product
- Stainless steel pump casing and EPDM rubber membrane
- Integrated non-return valve to prevent backflow



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		SOLIDS HANDLING mm	FLOW RATE m3/h	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
WATER 110V	TTP/PM/W/110V	A \	3.8	0.15	25	1	12	0.83	15	3.0	23	
WATER 230V	TTP/PM/W/230V	A \	1.2	0.15	25	1	12	0.83	15	3.0	23	
OIL RESISTANT DIAPHRAGM & HOSE 110V	TTP/PM/O/110V	A \	3.8	0.15	25	1	12	0.83	15	3.0	23	
OIL RESISTANT DIAPHRAGM & HOSE 230V	TTP/PM/O/230V	A \	1.2	0.15	25	1	12	0.83	15	3.0	23	



SCAN TO SHOP ONLINE

Contractors Pumps

Large Contractors Pumps



TT505C



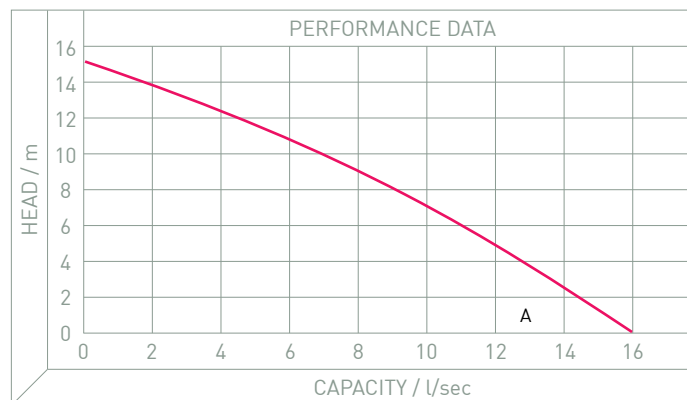
TT505C is a fully submersible de-watering pump for clean or silty water. Ideal for the toughest of conditions including applications such as large water features, nuisance water, civil construction and quarries and mining. 1.25kW output, 15m maximum head and 16l/sec maximum capacity.

FEATURES

- Cast aluminium construction
- Submersible
- Double mechanical seal within oil bath
- Thermal cut out switch built into motor
- 10mm solids handling
- 1.25kW output
- 80mm discharge

BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Robust



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
TT505C 110V/1Ph	TTP/TT505C/2	A \	20	1.25	80	3	15	16	10	10	34	
TT505C 230V/1Ph	TTP/TT505C/1	A \	9.6	1.25	80	3	15	16	10	10	34	
TT505C 400V/3Ph	TTP/TT505C/3	A \	2.6	1.25	80	3	15	16	10	10	30	

Please note: See our KT range for larger units. (Pages 48 - 55)



CONTRACTORS PUMPS - 3

Same day dispatch. Lead time may apply.

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KinoTitan™ KTS RANGE



Compact design, high-performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering. The KTS range is designed for continuous operation.

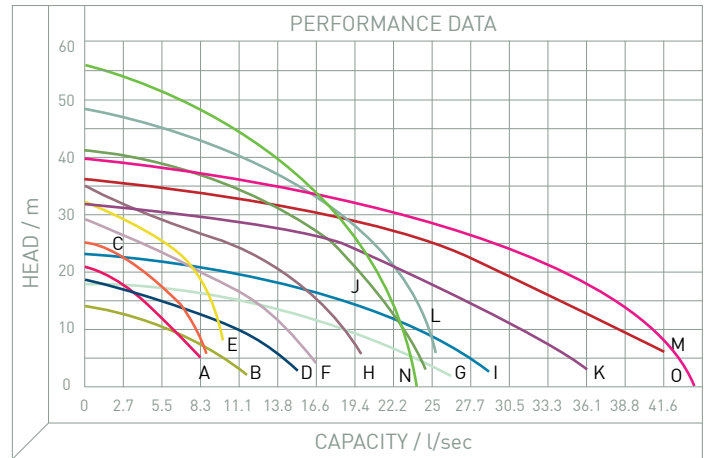
FEATURES

- Cast iron construction and stainless steel casing
- Power supply: Three-phase 400V-50Hz, Single-phase 230V-50Hz
- Insulation class: F
- Protection class: IP68
- Motor temperature: 40°C
- Maximum water depth: 25m
- Probe (E) or Float Switch (F) option available on request



BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Lightweight
- Tough and robust



SCAN TO SHOP ONLINE

	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
SINGLE PHASE	KTSM 50	TTP/KTS50-1.5M	A \	10	1.5	50	2	21	8.3	8.5	15	37	
	KTSM 80	TTP/KTS80-1.5M	B \	10	1.5	80	3	14	11.6	8.5	15	37	
	KTS 50 1.5	TTP/KTS50-1.5	A \	3.5	1.5	50	2	21	8.3	8.5	15	37	
	KTS 80	TTP/KTS80-1.5	B \	3.5	1.5	80	3	14	11.6	8.5	15	37	
THREE PHASE	KTS 50 2.2	TTP/KTS50-2.2	C \	5.0	2.2	50	2	25	8.8	8.5	15	40	
	KTS 80	TTP/KTS80-2.2	D \	5.0	2.2	80	3	18.5	15.2	8.5	15	40	
	KTS 50 3.7	TTP/KTS50-3.7	E \	7.7	3.7	50	2	32	10	8.5	15	58	
	KTS 80 3.7	TTP/KTS80-3.7	F \	7.7	3.7	80	3	32	16.6	8.5	15	58	
	KTS 100 3.7	TTP/KTS100-3.7	G \	7.7	3.7	100	4	18	26.3	8.5	15	59	
	KTS 80 5.5	TTP/KTS80-5.5	H \	11.4	5.5	80	3	35	20	8.5	15	66	
	KTS 100	TTP/KTS100-5.5	I \	11.4	5.5	100	4	23	29.1	8.5	15	67	
	KTS 100 7.5	TTP/KTS100-7.5	J \	15	7.5	100	4	41	24.4	11.5	15	108	
	KTS 150 7.5	TTP/KTS150-7.5	K \	15	7.5	150	6	32	36.1	19.5	15	110	
	KTS 100 11	TTP/KTS100-11	L \	22	11.0	100	4	48.5	24	11.5	15	123	
	KTS 150 11	TTP/KTS150-11	M \	22	11.0	150	6	34	41.6	19.5	15	125	
	KTS 100 15	TTP/KTS100-15	N \	29.5	15	100	4	57	24	19.5	15	145	
	KTS 150 15	TTP/KTS150-15	O \	29.5	15	150	6	40	46.6	19.5	15	146	

Contractors Pumps

Large Contractors Pumps



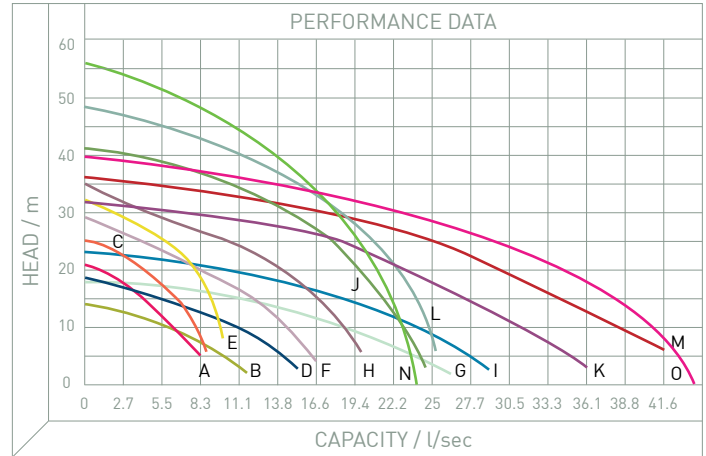
KinoTitan™ KTSE RANGE



Submersible drainage pump with built-in level control probe. The design has improved motor cooling due to the discharge channel being part of the motor housing, allowing the range to pump at low levels for long periods.

The probe automatically starts and stops the pump operation to maximise efficiency and reduce power consumption.

- Protects against reverse phase, ensures correct impeller rotation
- Protects against open phase or impeller jam, preventing accidental damage
- Automatically stops the pump in the event of overload or abnormal voltage, resets 5 minutes later
- The water sensor's height is adjustable to control pump operation start and stop



FEATURES

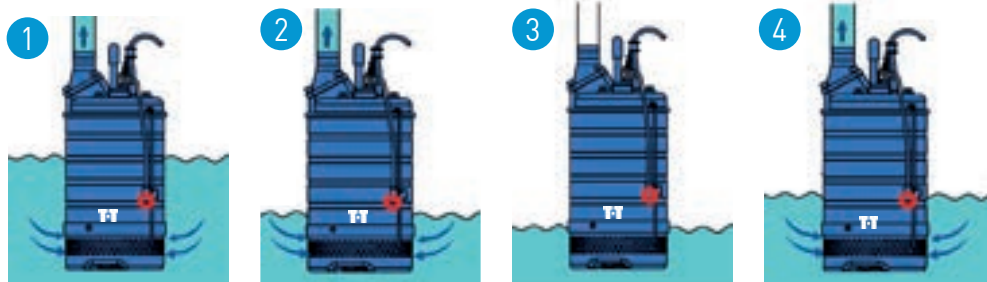
- Capacity: up to 41.6 l/sec
- Head: up to 48m
- Power: 1.5kW to 15kW
- Insulation class: F
- Protection class: IP68
- Motor temperature: 40°C
- Maximum water depth: 25m
- Power supply: Three phase, 400V-50Hz

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
KTSE 50 1.5	TTP/KTSE50-1.5	A \	3.5	1.5	50	2	21	8.3	8.5	15	39	
KTSE 80 1.5	TTP/KTSE80-1.5	B \	3.5	1.5	80	3	14	11.6	8.5	15	39	
KTSE 50 2.2	TTP/KTSE50-2.2	C \	5.0	2.2	50	2	25	8.8	8.5	15	42	
KTSE 80 2.2	TTP/KTSE80-2.2	D \	5.0	2.2	80	3	18.5	15.2	8.5	15	46	
KTSE 50 3.7	TTP/KTSE50-3.7	E \	7.7	3.7	50	2	29	10	8.5	15	42	
KTSE 80 3.7	TTP/KTSE80-3.7	F \	7.7	3.7	80	3	29	16.6	8.5	15	66	
KTSE 100 3.7	TTP/KTSE100-3.7	G \	7.7	3.7	100	4	18	26.3	8.5	15	61	
KTSE 80 5.5	TTP/KTSE80-5.5	H \	11.4	5.5	80	3	35	20	8.5	15	74	
KTSE 100 5.5	TTP/KTSE100-5.5	I \	11.4	5.5	100	4	23	29.1	8.5	15	75	
KTSE 100 7.5	TTP/KTSE100-7.5	J \	15	7.5	100	4	41	24.4	11.5	15	129	
KTSE 150 7.5	TTP/KTSE150-7.5	K \	15	7.5	150	6	32	36.1	19.5	15	142	
KTSE 100 11	TTP/KTSE100-11	L \	22	11.0	100	4	48.5	24	11.5	15	129	
KTSE 150 11	TTP/KTSE150-11	M \	22	11.0	150	6	34	41.6	19.5	15	157	
KTSE 100 15	TTP/KTSE100-15	N \	29.5	15	100	4	57	24	19.5	15	145	
KTSE 150 15	TTP/KTSE150-15	O \	29.5	15	150	6	40	46.6	19.5	15	146	



SCAN TO SHOP ONLINE

KTSE OPERATION



1 The pump continually runs while the electric probe remains submerged.

2 When the water surface falls below the electric probe, the timer starts (for approximately 60 seconds).

3 The pump stops as long as the water level stays below the electric probe.

4 When the water level rises and comes into contact with the electric probe, the pump starts operating again. The entire process is then repeated.



If the water capacity of the sump/pit is small, in order to avoid rapid start/stop operations, a ball check valve should be installed at the discharge of the pump. The electric probe should also be positioned as far up the pump as possible.

Same day dispatch. Lead time may apply.

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Kino Titan™ KTC RANGE

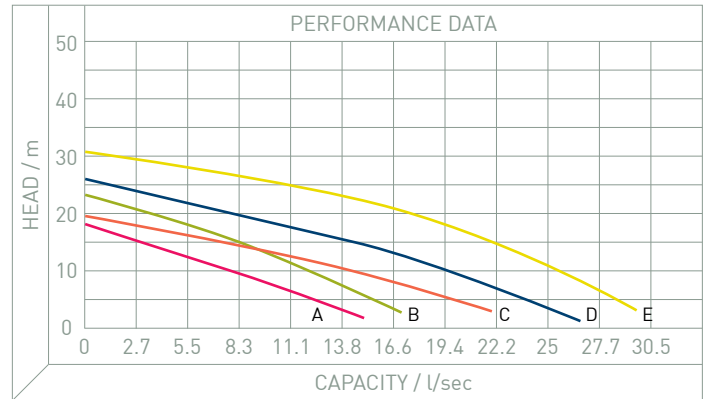


A submersible pump range with water-cooled motors to ensure a long life in both continuous and intermittent operation, providing high efficiency and energy savings.

Ideal for dewatering, water transfer for drainage, irrigation and emergency pumping.

FEATURES

- Capacity: up to 30 l/sec
- Head: up to 31m
- Discharge: 80mm (3") to 100mm (4")
- Power: 1.5kW (2HP) to 5.5kW (7.5HP)
- Power supply: three phase 400V ±10%, 50Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 15m
- Water temperature: up to 40°C
- Max. water depth: 25m



BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Lightweight
- Easy to handle



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTLET mm	OUTPUT		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	HEAD m	CAPACITY l/sec				
KTC 80 1.5	TTP/KTC80-1.5	A \	80	3.5	1.5	18.5	14.7	10	15	38.5	
KTC 80 2.2	TTP/KTC80-2.2	B \	80	5.0	2.2	23	16.9	10	15	41	
KTC 100 2.2	TTP/KTC100-2.2	C \	100	5.0	2.2	20	21.6	10	15	41	
KTC 100 3.7	TTP/KTC100-3.7	D \	100	7.5	3.7	25.5	26.6	10	15	60	
KTC 100 5.5	TTP/KTC100-5.5	E \	100	11.4	5.5	31	30	10	15	67	

Contractors Pumps

Large Contractors Pumps



KinoTitan™ KTA RANGE



Submersible slurry pump with a 2 and 4-pole motor for an increased lifetime and easy maintenance. A high chrome impeller combined with an agitator allow for pumping heavy slurry, while its slim design and top discharge enable installation in tight spaces, for example, bentonite mixed water in foundation works or muddy / sandy water in civil engineering works.

FEATURES

- Capacity: up to 108.3l/sec
- Head: up to 42m
- Agitator
- Discharge: 50mm (2") to 200mm (8")
- Power: 1.5kW to 37kW
- Power supply: three phase 400V ±10%, 50Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 15m
- Water temperature: up to 40°C
- Max. water depth: 25m

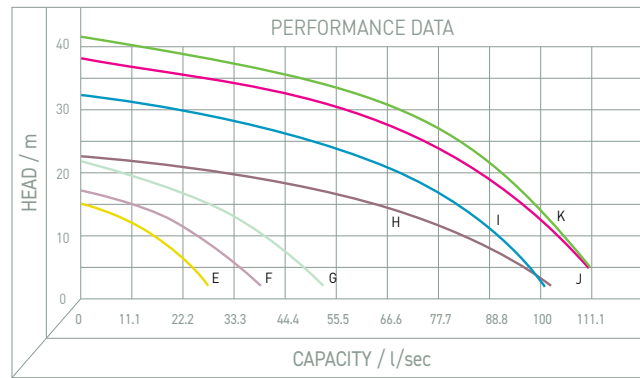
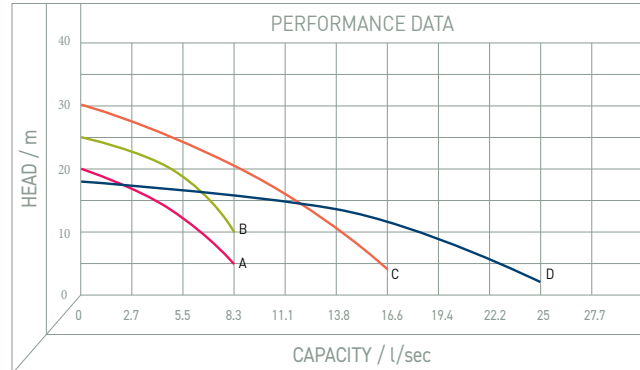


BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Lightweight
- Heavy-duty and robust design



SCAN TO SHOP ONLINE



	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
2 POLE	KTA 50 1.5	TTP/KTA50-1.5	A \	3.5	1.5	50	2	20	8.3	10	15	37	
	KTA 50 2.2	TTP/KTA50-2.2	B \	5.0	2.2	50	2	25	8.3	10	15	40	
	KTA 80 3.7	TTP/KTA80-3.7	C \	7.7	3.7	80	3	30	16.6	10	15	69	
	KTA 100 3.7	TTP/KTA100-3.7	D \	7.7	3.7	100	4	18	25	10	15	69	
4 POLE	KTA 80 4	TTP/KTA80-4	E \	10.2	4.0	80	3	14.8	27.5	30	15	108.5	
	KTA 100 6	TTP/KTA100-6	F \	13.8	6.0	100	4	16.9	40	30	15	141	
	KTA 150 9	TTP/KTA150-9	G \	19.5	9.0	150	6	21.5	53.3	30	15	171	
	KTA 200 15	TTP/KTA200-15	H \	30.1	15	200	8	22	103.3	30	15	260	
	KTA 200 22	TTP/KTA200-22	I \	42	22	200	8	32	100	30	15	408	
	KTA 200 30	TTP/KTA200-30	J \	57.6	30	200	8	37	108.3	30	15	510	
	KTA 200 37	TTP/KTA200-37	K \	69.8	37	200	8	42	108.3	30	15	535	



PUMP WITH BASE AND GUARD AS SOLD



AGITATOR

PUMP WITH AGITATOR EXPOSED.

PLEASE NOTE: DO NOT OPERATE UNLESS BASE AND GUARD FITTED

Same day dispatch. Lead time may apply.

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CONTRACTORS PUMPS - 3

Kino Titan™ KTA/S RANGE



Submersible slurry pumps with 4-pole motors for increased lifetime and greater convenience. Their high chrome alloy impeller and agitator combination allows for pumping heavy slurry, ideal for pumping sludge and liquids containing mud, sand and bentonite.

FEATURES

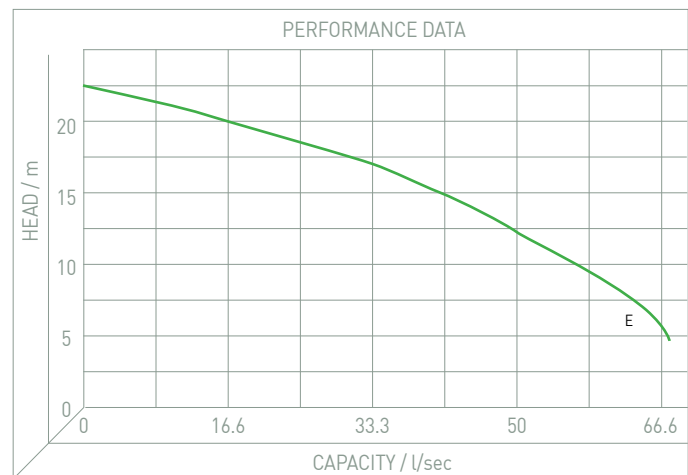
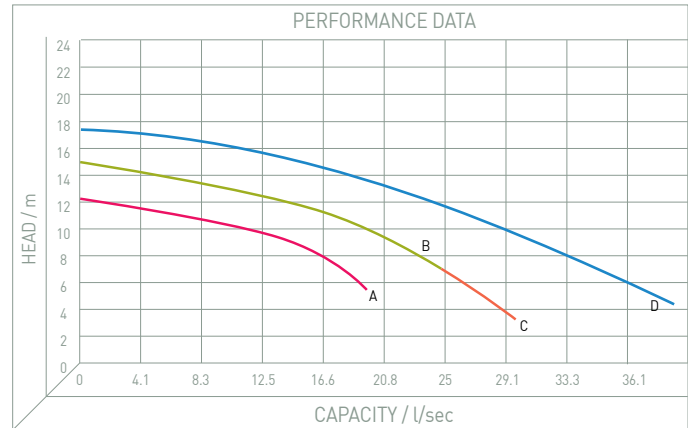
- Capacity: up to 68.3 l/sec
- Head: up to 15
- Power: 2.2kW to 11kW
- Power Supply: three-phase 400V - 50Hz
- Insulation class: F- Protection class: IP68
- Water temperature: up to 40°C
- Max. water depth: 20m

BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Rugged pump



SCAN TO SHOP ONLINE



PUMP TYPE	PRODUCT CODE	CURVE	OUTLET mm	OUTPUT		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	HEAD m	CAPACITY l/sec				
KTA/S 80 2.2	TTP/KTAS80-2.2	A \	80	5.5	2.2	12	20	20	15	92	●
KTA/S 80 3.7	TTP/KTAS80-3.7	B \	80	8.1	3.7	15	24	20	15	108	●
KTA/S 100 3.7	TTP/KTAS100-3.7	C \	100	8.1	3.7	15	31.6	20	15	108	●
KTA/S 100 5.5	TTP/KTAS100-5.5	D \	100	11.7	5.5	17.5	38.3	30	15	139	●
KTA/S 150 11	TTP/KTAS150-11	E \	150	22	11	22.5	68.3	20	15	210	●

Contractors Pumps

Large Contractors Pumps

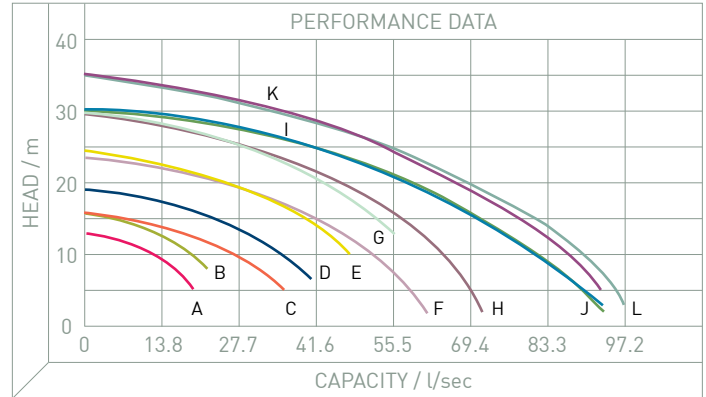


Sand Devil

Compact, high performing, exceptionally durable pumps for handling abrasive liquid, widely used in general construction and civil engineering. The Sand Devil is designed for continuous operation.

FEATURES

- Cast iron construction with high chrome impeller and agitator
- Capacity: up to 165.8 l/sec
- Power: 2.2kW to 75kW
- Power supply: Three phase 400V-50Hz
- Insulation class: F
- Protection class: IP68
- Motor temperature: 40°C
- Maximum water depth: 15m

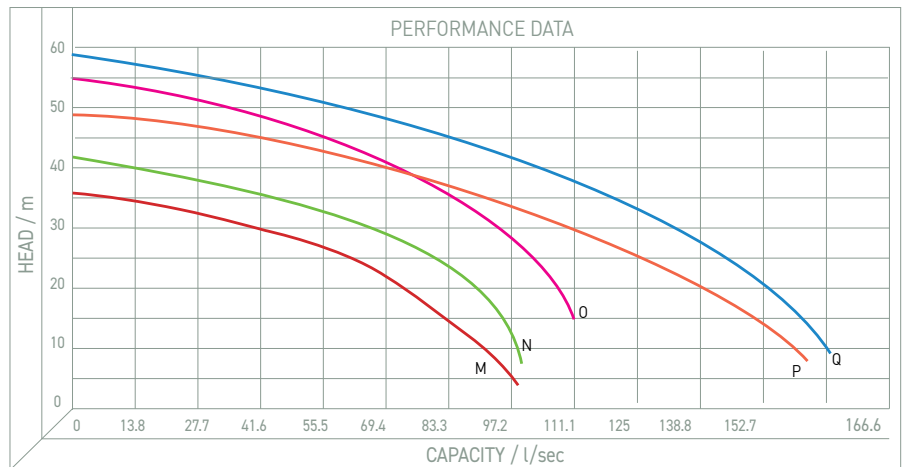


BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Heavy-duty and robust design



SCAN TO SHOP ONLINE



CONTRACTORS PUMPS - 3

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY U/sec				
KTSD 80 2.2	TTP/KTSD80-2.2	A \	5.0	2.2	80	3	13	20.8	20	15	79	
KTSD 80 3.7	TTP/KTSD80-3.7	B \	8.5	3.7	80	3	16	23.6	20	15	89	
KTSD 100 5.5	TTP/KTSD100-5.5	C \	11.7	5.5	100	4	16	38.8	30	15	141	
KTSD 100 7.5	TTP/KTSD100-7.5	D \	15.7	7.5	100	4	19	44.4	10	15	156	
KTSD 100 11	TTP/KTSD100-11	E \	22	11.0	100	4	24	52.7	35	15	236	
KTSD 150 11	TTP/KTSD150-11	F \	22	11.0	150	6	24	61.1	35	15	245	
KTSD 100 15	TTP/KTSD100-15	G \	30.1	15.0	100	4	30	61.1	35	15	260	
KTSD 150 15	TTP/KTSD150-15	H \	30.1	15.0	150	6	30	70.8	35	15	269	
KTSD 150 18.5	TTP/KTSD150-18.5	I \	38	18.5	150	6	30	91.6	35	15	342	
KTSD 200 18.5	TTP/KTSD 200 18.5	J \	38	18.5	200	8	30	91.6	35	15	361	
KTSD 150 22	TTP/KTSD150-22	K \	45	22.0	150	6	35	91.6	35	15	355	
KTSD 200 22	TTP/KTSD200-22	L \	45	22.0	200	8	35	97.2	35	15	374	
KTSD 150 30	TTP/KTSD150-30	M \	57.6	30.0	150	6	36	100	30	15	444	
KTSD 150 37	TTP/KTSD150-37	N \	69.8	37.0	150	6	42	100	30	15	534	
KTSD 150 45	TTP/KTSD150-45	O \	84.5	45.0	150	6	55	111.1	30	15	562	
KTSD 200 55	TTP/KTSD200-55	P \	105	55.0	200	8	48	161.1	40	15	800	
KTSD 200 75	TTP/KTSD200-75	Q \	141	75.0	200	8	57	166.6	40	15	875	

Same day dispatch. Lead time may apply.

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KinoTitan™ KTH/S RANGE



A submersible pump featuring double mechanical seals and a chrome-plated shaft to ensure high corrosion and wear resistance.

The hydraulic part under the motor is cooled by the pumped water for safe operation, with the pump only partially submerged. Suitable for dewatering and water transfer applications, as well as irrigation.

FEATURES

- Capacity: up to 25 l/sec
- Head: up to 142m
- Power: 2.2kW (3HP) to 25kW (33.5HP)
- Power supply: three phase 400V 10% 50Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 15m
- Water temperature: 40°C
- Max. water depth: 20m

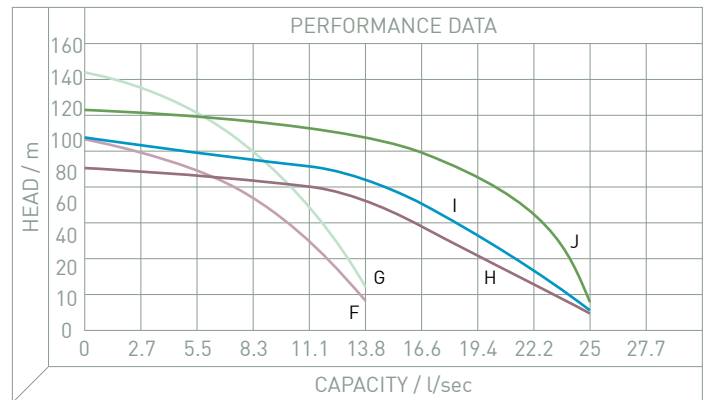
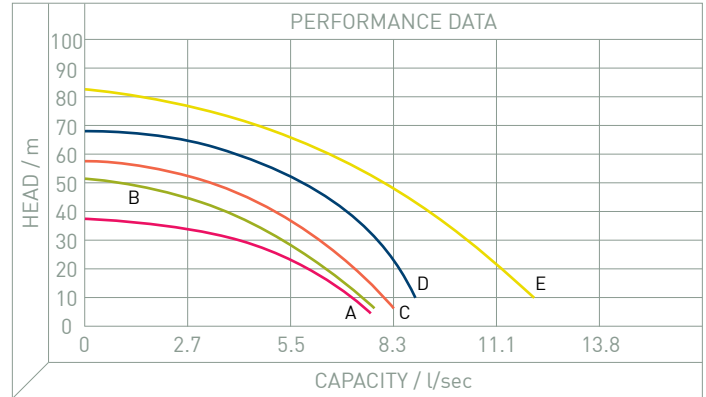


BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Fully repairable
- High head performance



SCAN TO SHOP ONLINE



PUMP TYPE	PRODUCT CODE	CURVE	OUTLET mm	OUTPUT		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	HEAD m	CAPACITY l/sec				
KTHS 50 (2) 10-2.2	TTP/KTHS50-2.2	A \	50	5.4	2.2	38	7.7	6	15	53	
KTHS 50 (3) 10-3	TTP/KTHS50-3	B \	50	7.2	3.0	51	7.7	6	15	62	
KTHS 50 (3) 12.5-4	TTP/KTHS50-4	C \	50	8.8	4.0	57	8.3	6	15	67	
KTHS 50 (3) 15-5.5	TTP/KTHS50-5.5	D \	50	11.7	5.5	67	8.8	6	15	75	
KTHS 50 (4) 25-7.5	TTP/KTHS50-7.5	E \	50	15.7	7.5	84	11.6	6	15	92	
KTHS 50 (3) 20-11	TTP/KTHS65-11	F \	50	22	11	106	13.8	6	15	178	
KTHS 50 (4) 20-15	TTP/KTHS65-15	G \	50	31	15	142	13.8	6	15	210	
KTHS 80 (3) 40-15	TTP/KTHS80-15	H \	80	31	15	90	25	8	15	206	
KTHS 80 (3) 40-18.5	TTP/KTHS80-18.5	I \	80	37.2	18.5	108	25	8	15	225	
KTHS 100 (3) 60-25	TTP/KTHS100-25	J \	100	51	25	123	25	10	15	263	

Contractors Pumps

Large Contractors Pumps



KinoTitan™ KTH RANGE



Submersible drainage pumps made of cast iron for long-lasting durability. The KTH range has a high maximum submersion depth, suitable for civil engineering and construction works as well as mines and quarries.

FEATURES

- Capacity: up to 108.3 l/sec
- Head: up to 130m
- Power: 22kW (30HP) to 110kW (100HP)
- Power supply: three-phase 400V ±10%, 50Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 20m
- Water temperature: up to 40°C
- Max. water depth: 30m

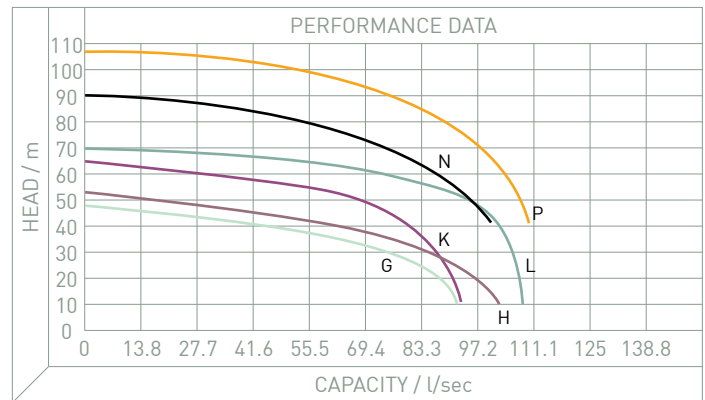
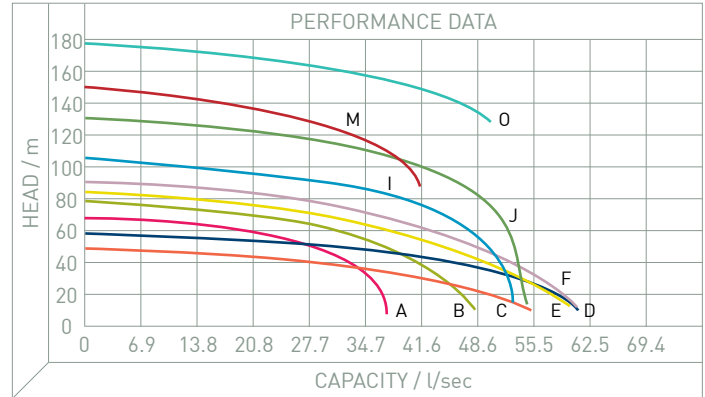


BENEFITS

- British design
- Designed for reliability and long life
- Double mechanical seal
- Robust
- High head performance



SCAN TO SHOP ONLINE



PUMP TYPE	PRODUCT CODE	CURVE	OUTLET mm	OUTPUT		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	HEAD m	CAPACITY l/sec				
KTH 100 22	TTP/KTH100-22	A \	100	41.5	22.0	68	36.1	6	20	370	
KTH 100 30	TTP/KTH100-30	B \	100	54	30.0	78	47.2	8	20	375	
KTH 150 22	TTP/KTH150-22	C \	150	41.5	22.0	50	55.5	15	20	385	
KTH 150 30	TTP/KTH150-30	D \	150	54	30.0	58	61.1	15	20	390	
KTH 150 37	TTP/KTH150-37	E \	150	66	37.0	83	61.1	6	20	570	
KTH 150 45	TTP/KTH150-45	F \	150	80	45.0	90	61.1	6	20	575	
KTH 200 37	TTP/KTH200-37	G \	200	66	37.0	48	91.6	20	20	575	
KTH 200 45	TTP/KTH200-45	H \	200	80	45.0	53	103.3	20	20	580	
KTH 150 55	TTP/KTH150-55	I \	150	98	55	105	55.3	8	20	830	
KTH 150 75	TTP/KTH150-75	J \	150	132	75.0	130	55	8	20	830	
KTH 200 55	TTP/KTH200-55	K \	200	98	55	65	91.6	20	20	830	
KTH 200 75	TTP/KTH200-75	L \	200	132	75	70	108.3	20	20	880	
KTH 150 90	TTP/KTH150-90	M \	150	162	90.0	155	41.6	10	20	1100	
KTH 200 90	TTP/KTH200-90	N \	200	162	90.0	90	100	20	20	1120	
KTH 150 110	TTP/KTH150-110	O \	150	198	110.0	177	50	10	20	1130	
KTH 200 110	TTP/KTH200-110	P \	200	198	110.0	107	108.3	20	20	1150	

CONTRACTORS PUMPS - 3

Same day dispatch. Lead time may apply.

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The Pontoon has been engineered to be a versatile and compact floatation device for de-watering, utilising submersible or engine driven pumps. Constructed in marine grade foam filled polyethylene with UV15 protection, with 304 stainless steel straps and fittings to maximise durability.

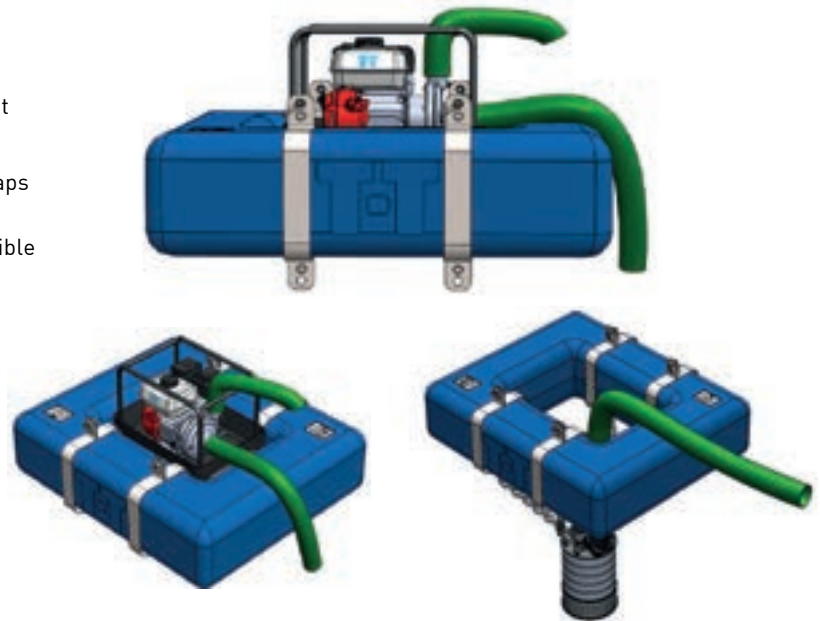
The range is available in two options, one suitable for submersible pumps and one for surface mounted pumps. Each unit comes supplied with a lifting certificate for peace of mind that the floatation device can hold the weight specified.

FEATURES

- Comes with chain (for submersibles only)
- Maximum buoyancy for single unit: 160kg
- Certified lifting capacity: 250kg (can be increased)
- UV15 protection
- Pumps easily mounted on site
- Lifting points for easy installation
- 304 stainless steel lifting frame (316 option available upon request)
- Modular design to increase load capacity (max. of 4 units together)
- Surface mounted version includes 'Clamp & Strap' kit which includes a plastic drip tray and stainless cross support straps to prevent possible pollution

BENEFITS

- British design and manufacture
- Designed for reliability and long life
- Flexible design

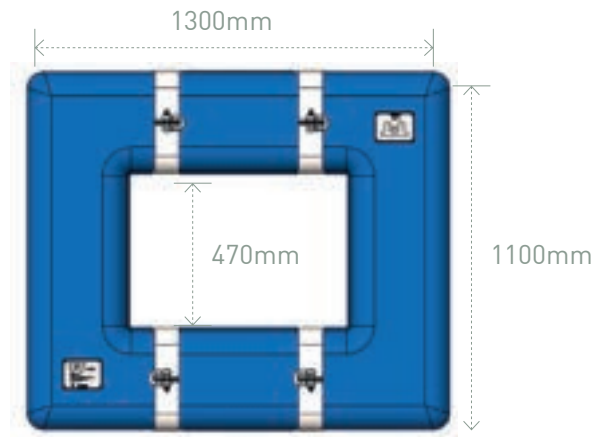
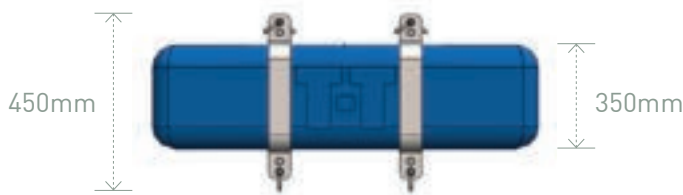


PONTOON WITH SURFACE MOUNTED PUMP

PONTOON WITH SUBMERSIBLE PUMP



SCAN TO SHOP ONLINE



TYPE	PRODUCT CODE	DIMENSIONS H x W x D mm	PUMP MOUNTING	WEIGHT kg	DELIVERY STATUS
PONTOON SUBMERSIBLE	TT/PONTOON/SUB	1300 x 1100 x 450	SUBMERSIBLE PUMP	55	
PONTOON SURFACE MOUNTED	TT/PONTOON/SURF	1300 x 1100 x 450	SURFACE MOUNTED PUMP	58	
REPLACEMENT FIXING BRACKET KIT - SUBMERSIBLE	TT/PONTOON/CLAMP	-	-	-	
REPLACEMENT FIXING BRACKET KIT - SURFACE MOUNTED	TT/PONTOON/STRAP	-	-	-	

Contractors Pumps

Hydraulic Pumps

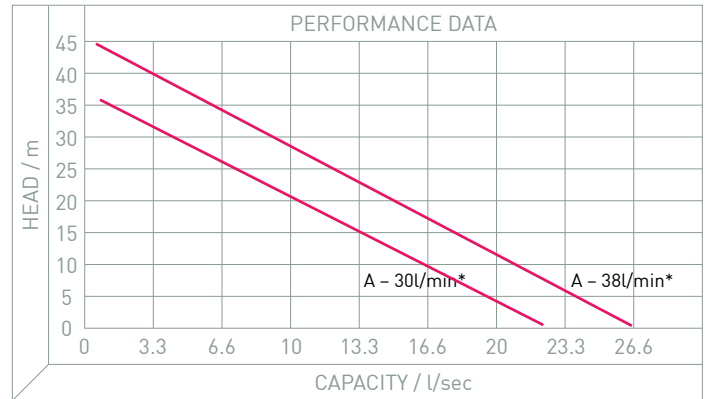


WP25



A high performance water pump with a hydraulic motor designed for pumping clear and muddy water with suspended solids up to 20mm. The hydraulic functioning guarantees high power, safety and resistance to abrasive liquids and the possibility of running dry. Thanks to its robust design and long operative life, the WP25 is ideal for professional use, maintenance of utility networks, dewatering, civil protection and road maintenance works.

With implicit safety thanks to the absence of electricity, and its ability to handle thick and muddy liquids, these pumps can be powered by small power packs, mini excavators and trucks, making them ideal for the construction industry.



Please note: *Hydraulic fluid flow rate

FEATURES

- Head up to 45m
- Possibility to run dry without damages
- Robust construction and minimal maintenance needs
- Implicit safety thanks to the absence of electricity, zero priming problems
- The pumping chamber can be open in a few seconds for inspection and cleaning

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Double mechanical seal
- Lightweight
- Flexible design

PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		FLOW U/sec	SOLIDS HANDLING mm	WEIGHT kg	DELIVERY STATUS
			mm	inch				
WP25	PD/TT-WP25	A \	80	3	26.6	15	13	●



SCAN TO SHOP ONLINE

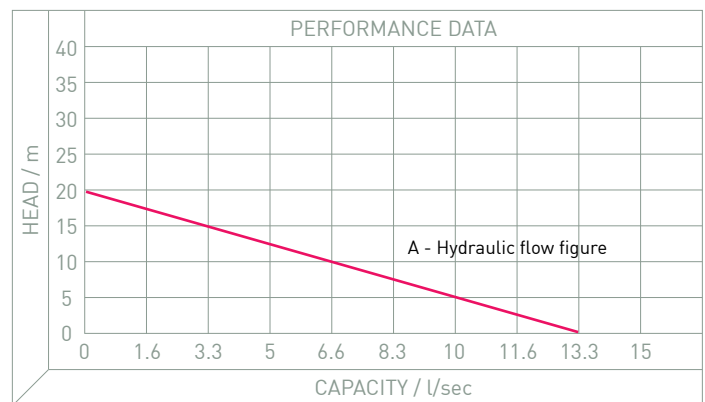
SP20 / SP21 (ATEX)



SP20 and SP21 (ATEX) are compact and powerful hydraulic trash pumps with unbeatable power, size and weight ratios. With their robust construction they require minimal maintenance and have the possibility to run dry without damages.

With implicit safety thanks to the absence of electricity, and their ability to handle thick and muddy liquids, these pumps can be powered by small power packs, mini excavators and trucks, making them ideal for the construction industry.

Designed with high resistance to impacts and abrasion, and with its small dimensions and lightweight construction, these pumps make an ideal option for the smallest of applications including trenches and manholes.



FEATURES

- Stainless steel pump body
- Cast iron impeller
- Flow capacity up to 13.3l/sec
- Head up to 35m (Water Pressure 3.5 BAR)

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Double mechanical seal
- Lightweight

PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		FLOW U/sec	SOLIDS HANDLING mm	WEIGHT kg	DELIVERY STATUS
			mm	inch				
SP20	PD/TT-SP20	A \	50	2	13.3	20	8	●
SP21	PD/TT-SP21	A \	50	2	13.3	30	8	●



SCAN TO SHOP ONLINE

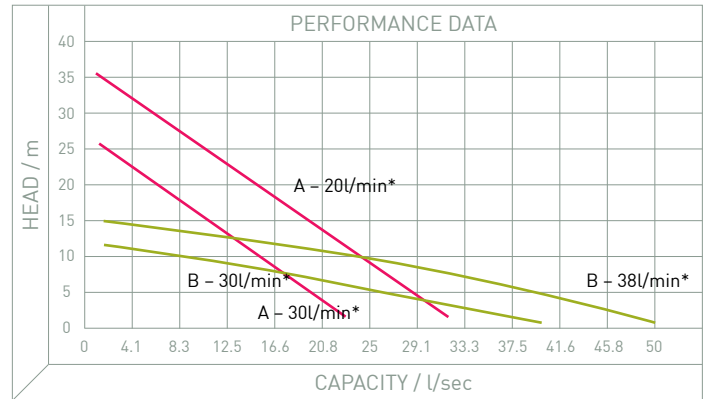
SP35 / SP45



High performance, 3" and 4", submersible and hydraulically powered trash water pumps. The SP35 pump has a stainless steel impeller and body, with an exclusive single channel closed impeller and the ability to pump very abrasive fluids and bentonite. The pump is available with a hydraulic motor in cast iron and with an ATEX certification for pumping flammable liquids or for use in mines and explosive applications.

The SP45 is a professional trash pump designed for pumping slurries, trash waters and thick liquids with density concentration in the fluid up to 25% and suspended solids up to 70mm.

The pump body is fabricated in stainless steel with a urethane wear plate, designed to ensure durability and resistance to abrasivity, impacts and rust. The pump is ideal for large movements of water, in emergencies after floods, in military works, for sewage treatment facilities and manhole dewatering.



Please note: *Hydraulic fluid flow rate

FEATURES

- Possibility to run dry without damages
- Robust construction and minimal maintenance needs
- Implicit safety thanks to the absence of electricity, zero problems of priming
- The pumping chamber can be open in a few seconds for inspection and cleaning

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Double mechanical seal
- Lightweight



SP35



SP45



PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		FLOW l/sec	SOLIDS HANDLING mm	WEIGHT kg	DELIVERY STATUS
			mm	inch				
SP35	PD/TT-SP35	A \	80	3	26.6	50	17	●
SP45	PD/TT-SP45	B \	100	4	50	70	28	●

Contractors Pumps

Hydraulic Pumps



SP55 / SP65

A

The SP55 and SP65 are high performance trash pumps for large dewatering works, rental activity, civil protection, the military sector, sewage treatment plants and where it is necessary to quickly move large volumes of water and heavily loaded fluids.

The pumps' main characteristics are their high power and impeller which has knives that can cut suspended solids like sea weeds, straw, rags, ropes, sediments and various linear fibres. The hydraulic function gives optimised operation and performance.

With implicit safety thanks to the absence of electricity, and their capability of handling thick and muddy liquids, these pumps can be powered by small power packs, mini excavators and trucks, making them ideal for the construction industry.

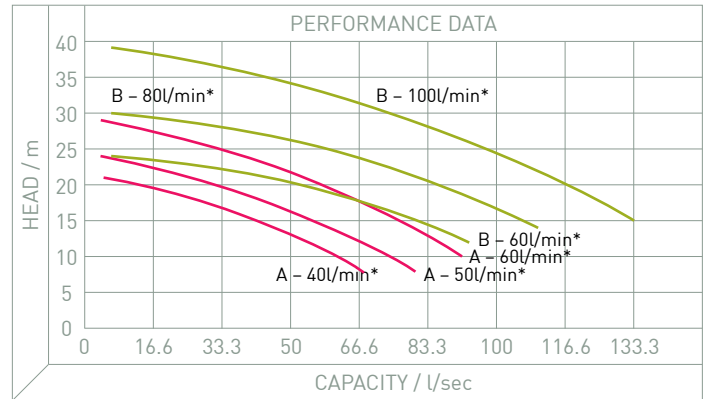
Please note: *Hydraulic fluid flow rate

FEATURES

- Head: SP55: Up to 29m, SP65: Up to 39m
- Stainless steel pump body
- Steel impeller

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Double mechanical seal
- Rugged



CONTRACTORS PUMPS - 3



SP55



SP65

PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		FLOW l/sec	SOLIDS HANDLING mm	WEIGHT kg	DELIVERY STATUS
			mm	inch				
SP55	PD/TT-SP55	A \	125	5	91.6	55	95	●
SP65	PD/TT-SP65	B \	150	6	133.3	65	135	●

SECTION 04
ENGINE DRIVEN PUMPS



SCR RANGE

A

These powerful pumps are light by design, with a combination of aluminium for the outer casing and cast iron for the impeller and wear plate. A mechanical seal ensures a perfect shaft sealing and combined with their robust design, means the absolute minimum maintenance is required.

FEATURES

- Clean and grey water handling
- 4-stroke Honda engine
- 5mm solids handling
- Self-priming

BENEFITS

- Built for reliability and long life
- Easy to maintain and repair
- Great site partner
- Honda engine



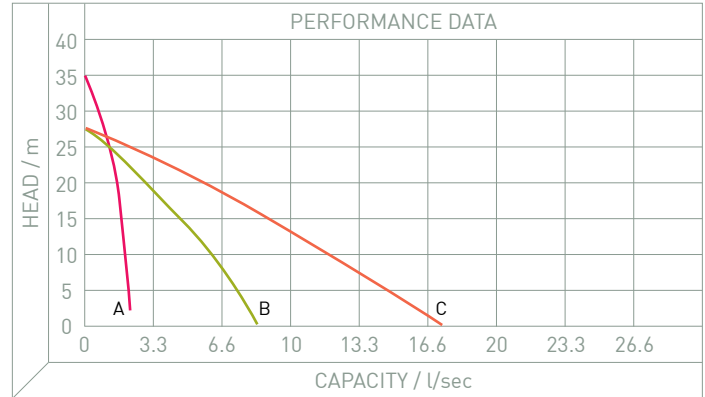
SCR-50HX



SCR-254HX



SCR-80HX



ACCESSORIES INCLUDED

- Engine tool kit- 1 set
- Strainer- 1 pcs
- Hose coupling- 2pcs
- Hose band- 3 pcs

PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		ENGINE TYPE	HORSE POWER	SOLIDS HANDLING mm	WEIGHT kg	DELIVERY STATUS
			mm	inch					
SCR254HX	PA/SCR-254HX	A \	25	1	HONDA, PETROL 4-S	1.1	5	6	
SCR50HX	PA/SCR-50HX	B \	50	2	HONDA, PETROL 4-S	4.0	5	23.5	
SCR80HX	PA/SCR-80HX	C \	80	3	HONDA, PETROL 4-S	5.5	5	30	



SCAN TO SHOP ONLINE

SST RANGE (SEMI TRASH)

A

The SST range of engine driven self-priming pumps are light in construction featuring aluminium for the outer casing and cast iron for the impeller and wear plate. The pumps are suitable for de-watering, washdown, irrigation and many more applications. 30m maximum head and 21.6/sec maximum capacity.

FEATURES

- Simple maintenance
- Lightweight
- 4-stroke Honda engine
- Heavy duty construction
- Excellent self-priming

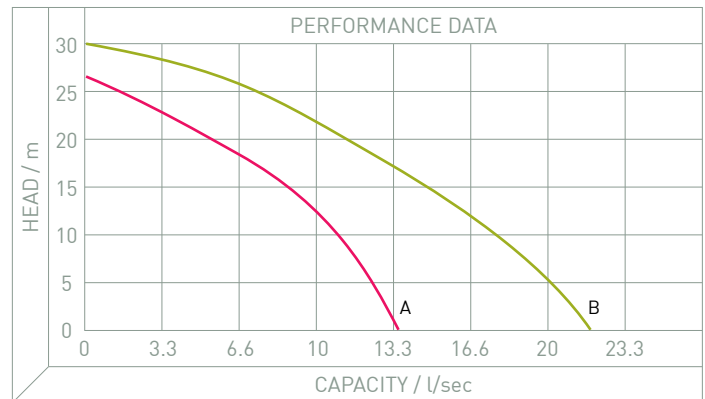
BENEFITS

- Built for reliability
- Easy to maintain and repair
- Great site partner
- Honda engine



SST-50

SST-80



ACCESSORIES INCLUDED

- Engine tool kit- 1 set
- Strainer- 1 pcs
- Hose coupling- 2pcs
- Hose band- 3 pcs

PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		ENGINE TYPE	HORSE POWER hp	SOLIDS HANDLING mm	WEIGHT kg	DELIVERY STATUS
			mm	inch					
SST-50	PA/SST-50HX	A \	50	2	HONDA, PETROL 4-S	4.0	20	24	
SST-80	PA/SST-80HX	B \	80	3	HONDA, PETROL 4-S	5.5	20	27	



SCAN TO SHOP ONLINE

Engine Driven Pumps

Contractors Pumps



ENGINE DRIVEN PUMPS - 4

SWT RANGE (TRASH)

B

The SWT range of powerful engine driven self-priming pumps are light in construction, featuring aluminium for the outer casing and cast iron for the impeller and wear plate. The pumps are suitable for de-watering, washdown, irrigation and many more applications. 30m maximum head and 21.6l/sec maximum.

FEATURES

- Excellent solids handling
- Simple maintenance
- Lightweight
- 4-stroke Honda engine
- Heavy duty construction

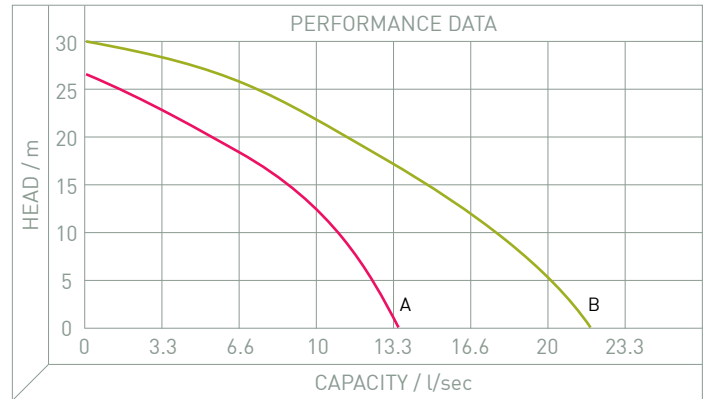
BENEFITS

- Built for reliability
- Easy to maintain
- Great site partner
- Honda engine



SWT-50H

SWT-80H



ACCESSORIES INCLUDED

- Engine tool kit- 1 set
- Strainer- 1 pcs
- Hose coupling- 2pcs
- Hose band- 3 pcs

PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		ENGINE TYPE	HORSE POWER hp	SOLIDS HANDLING mm	WEIGHT kg	DELIVERY STATUS
			mm	inch					
SWT-50H	PA/SWT-50HX	A \	50	2	HONDA, PETROL 4-S	5.5	25	34	
SWT-80H	PA/SWT-80HX	B \	80	3	HONDA, PETROL 4-S	8.0	35	57	



SCAN TO SHOP ONLINE

SMD RANGE (DIAPHRAGM)

A

Heavy duty engine driven diaphragm pump range for construction work, pumping water containing sand, stone and muddy water and many more applications.

FEATURES

- Compact design and lightweight
- Pump body and gear case are made by heavy-duty die cast aluminium, to keep the weight down for easy transport between job sites
- Easy Maintenance
- Closed coupled high-performance engine
- Capable of running dry without damage

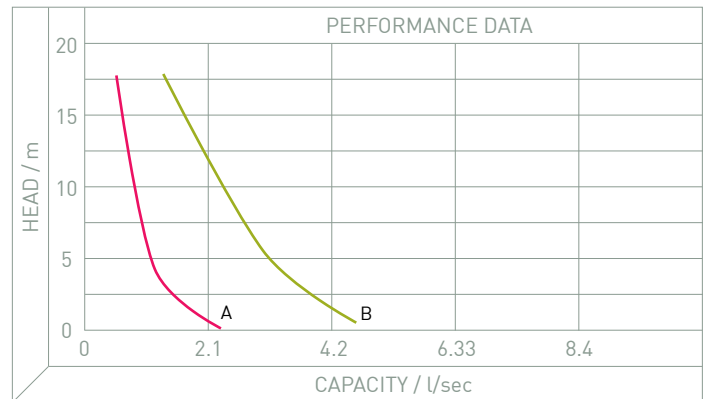
BENEFITS

- Built for reliability
- Easy to maintain
- Great site partner
- Honda engine



SMD 80HX

SMD 50HX



ACCESSORIES INCLUDED

- Engine tool kit- 1 set
- Strainer- 1 pcs
- Hose coupling- 2pcs
- Hose band- 3 pcs

PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		ENGINE TYPE	HORSE POWER hp	SOLIDS HANDLING mm	WEIGHT kg	DELIVERY STATUS
			mm	inch					
SMD50X	PA/SMD-50HX	A \	50	2	HONDA, PETROL 4-S	4.0	25	37.5	
SMD80X	PA/SMD-80HX	B \	80	3	HONDA, PETROL 4-S	5.5	35	45	



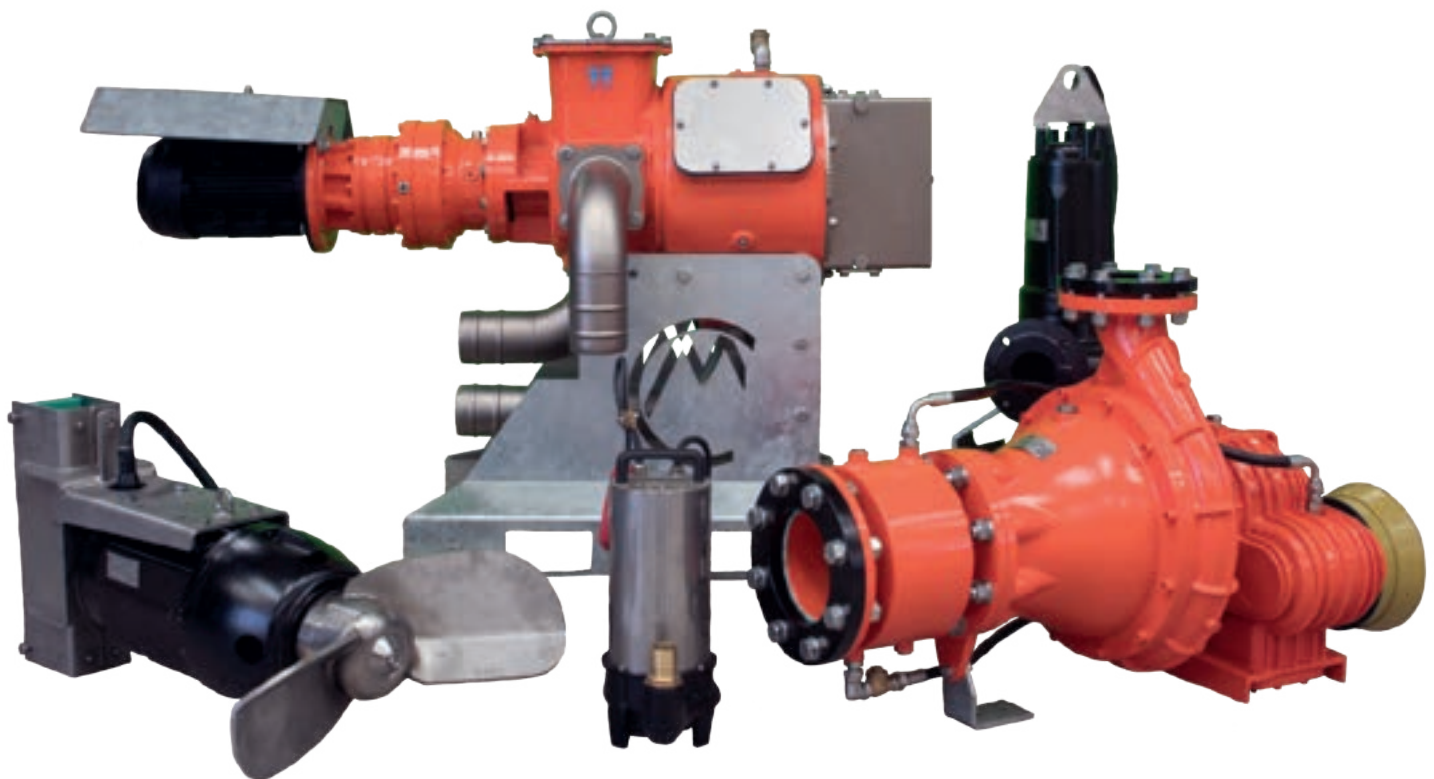
SCAN TO SHOP ONLINE

Same day dispatch. Lead time may apply.

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SECTION 05 AGRICULTURAL & ENVIRONMENTAL



T-T WashDOWN



A range of powerful washdown sets suitable for general washing where reliability and durability are a must. A full kit, comprising of a pump mounted on a stainless steel base, complete with auto-start/stop, hose, fittings and fully adjustable nozzle.

FEATURES

- Heavy duty robust design
- Compact
- Heavy duty stainless steel base
- Automatic stop / start
- Dry run protected
- Heavy duty adjustable brass nozzle
- 25 metre high quality hose
- Custom built versions available on request

BENEFITS

- Designed and manufactured in the UK
- Designed for long life
- Easy to maintain and repair
- Easy to use



T-T WASHDOWN



T-T WASHDOWN HIGH PRESSURE



SCAN TO SHOP ONLINE



SCAN TO WATCH T-T WASHDOWN IN ACTION

PUMP TYPE	PRODUCT CODE	OUTPUT		FLOW l/min	HORSE POWER	MAX PRESSURE Bar	MAX PRESSURE MPa	MAX PRESSURE PSI	RPM	VOLTAGES	DELIVERY STATUS
		Amps	kW								
T-T WASHDOWN 1	TT/WASHDOWN1	9.1	1.1	40	1.5	3.9	0.39	57	2900	230V/1Ph/50Hz	●
T-T WASHDOWN 2	TT/WASHDOWN2	9.1	1.1	60	1.5	4.6	0.46	67	2900	230V/1Ph/50Hz	●
T-T WASHDOWN 3	TT/WASHDOWN3	14.6	2.2	90	3.0	6.4	0.64	93	2900	230V/1Ph/50Hz	●
T-T WASHDOWN 4	TT/WASHDOWN4HP	6.7	3.0	13	5.7	170	17.0	2466	1450	400V/3Ph/50Hz	●



BEFORE



AFTER

SCUM SKIMMER



AGRICULTURAL - 5

Designed to be a sustainable, efficient and reliable method of collecting floating debris from liquid. Ideal for a variety of domestic, industrial and environmental applications. This range offers an effective method of collecting scum and floating matter from liquid surfaces, having the mobility to be guided into areas where skimming is most necessary.

FEATURES

- Junior- AISI 304 stainless steel & reinforced plastic construction
- Senior - Pump constructed in cast iron. Frame constructed in AISI 304 stainless steel
- Up to 30mm free passage
- 0.15kW, 0.25kW and 1.25kW electric motor
- Ø50mm discharge connection
- Electrical variants 110V/1Ph or 230V/1Ph (both 50Hz) (Scum-Skimmer Junior)
- Electrical variants 230V/1Ph or 400V/3Ph (both 50Hz) (Scum-Skimmer Senior)

BENEFITS

- Built for reliability
- Fully repairable
- Great performance
- Robust design



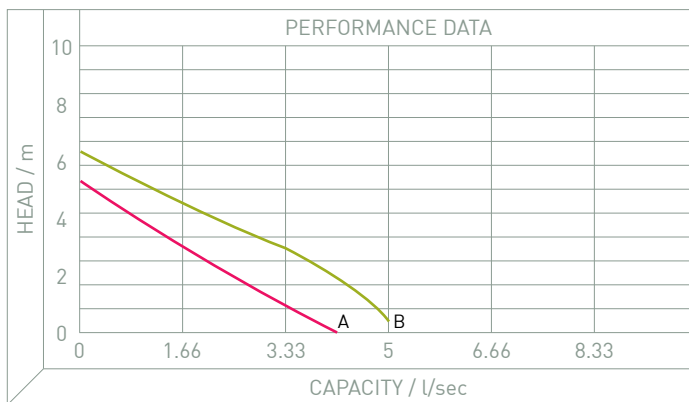
SCUM SKIMMER JUNIOR



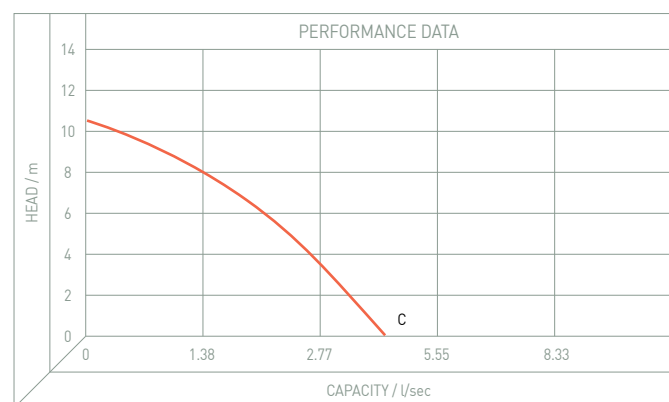
SCUM SKIMMER SENIOR



SCAN TO SHOP ONLINE



Scum Skimmer Junior



Scum Skimmer Senior

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT	FREE PASSAGE mm	OUTLET mm	WEIGHT kg	DELIVERY STATUS
			kW				
Scum Skimmer 150 Junior with Goliath Super 150 Pump	TT/SS-150JNR	A \	0.15	30	50	19	●
Scum Skimmer 250 Junior with Goliath Super 250 Pump	TT/SS-250JNR	B \	0.25	30	50	19	●
Scum Skimmer Senior with TT505 Pump	TT/SS-SNR	C \	1.25	15	50	85	●

OXYPLATE

A

High performance membrane diffusers for municipal and industrial water treatment. Designed for installation in oxidation tanks in civil and industrial aeration systems, they are fitted with a perforated membrane to allow passage of fine or medium sized bubbles. Easy to install with either the whole diffuser or just the membrane being quickly replaced in an existing plant.

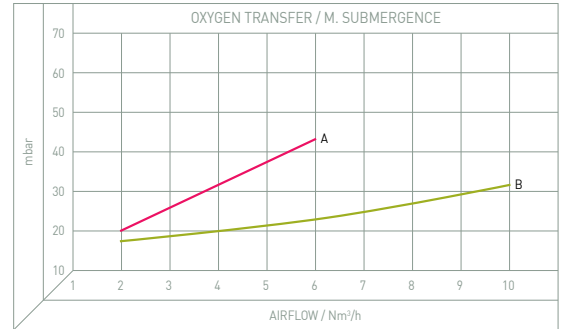
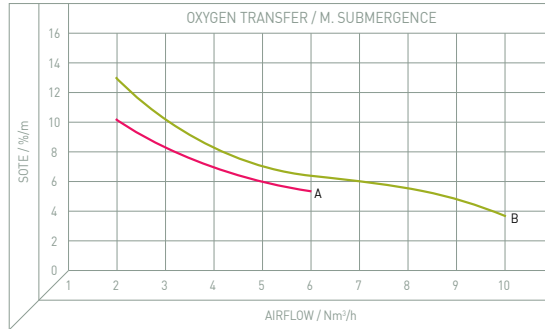


FEATURES

- Durable heavy duty design
- Membrane EPDM LP, body PP GF30
- Design flow 9" 2 - 10 Nm³/h, 12" 2 - 12 Nm³/h
- Connection 3/4" NPT
- Excellent self-priming

BENEFITS

- Easy to use
- Superior materials used



PUMP TYPE	PRODUCT CODE	CURVE	MIN OPERATING FLOW	MAX OPERATING FLOW	MAX OVERLOAD FLOW	OPERATING TEMPERATURE	WEIGHT kg	OPERATION MODE	DELIVERY STATUS
OXYPLATE 9"	PZS/9023.002	A \	2	6	10	0-80	0.7	Intermittent / Continuous	●
OXYPLATE 12"	PZS/9023.004	B \	2	10	15	0-80	1.2	Intermittent / Continuous	●



SCAN TO SHOP ONLINE

OXYTUBE - TUBLUAR AIR DIFFUSERS

A

Recommended for installation in active sludge plants, aerobic digesters, reservoirs and aquaculture in general, with a 2" (50mm) diameter for optimum performance. Greater diameter ensures that a larger surface area is in contact with liquid, reducing the possibility of coalescence.



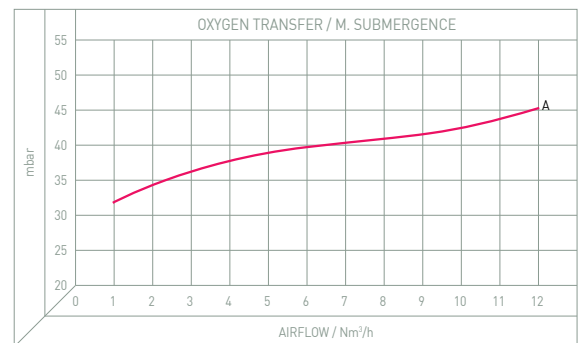
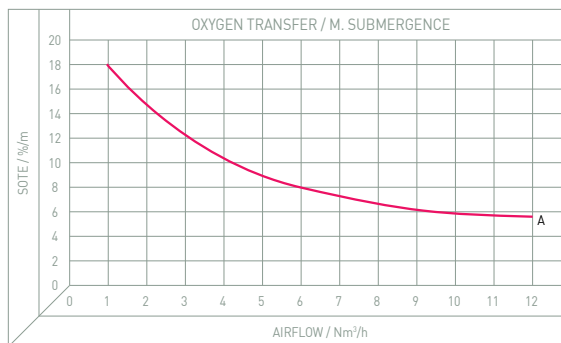
Quick, convenient anchorage to the main pipe guarantees simple, economical plant construction.

FEATURES

- Heavy duty design
- Membrane EPDM LP, body PP GF30
- Connection 3/4" NPT

BENEFITS

- Easy to use
- Superior materials used



PUMP TYPE	PRODUCT CODE	CURVE	MAX OPERATING FLOW RATE	MIN OPERATING FLOW RATE	WEIGHT kg	DELIVERY STATUS
TUBE 500	PZS/9023.005	A \	1	0.8	6	●
TUBE 750	PZS/9023.006	A \	2	1.1	9	●
TUBE 1000	PZS/9023.007	A \	3	1.3	12	●



SCAN TO SHOP ONLINE

OXYGEN RANGE

The Jetoxy range of submerged aerators allows for the injection of oxygen into liquids, improving water and effluent health by satisfying the demand for oxygen while also mixing the medium for optimal oxygen distribution. The Jetoxy is ideal for installation in effluent treatment plants and emergency installations where oxygen levels need lifting quickly.

FEATURES

- Excellent solids handling
- Simple maintenance
- Lightweight
- Heavy duty construction

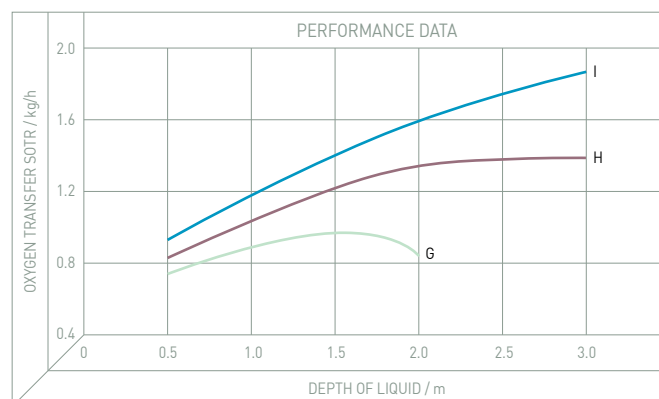
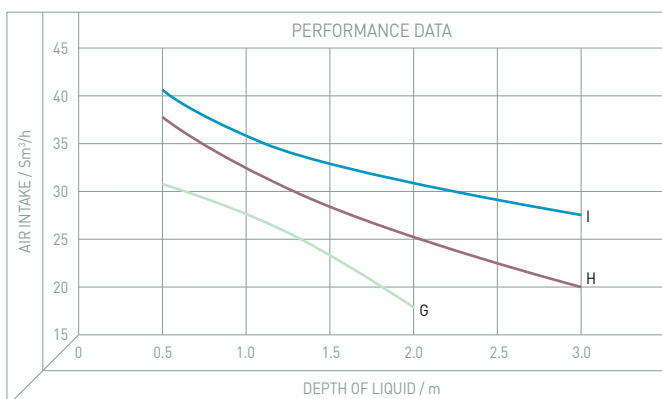
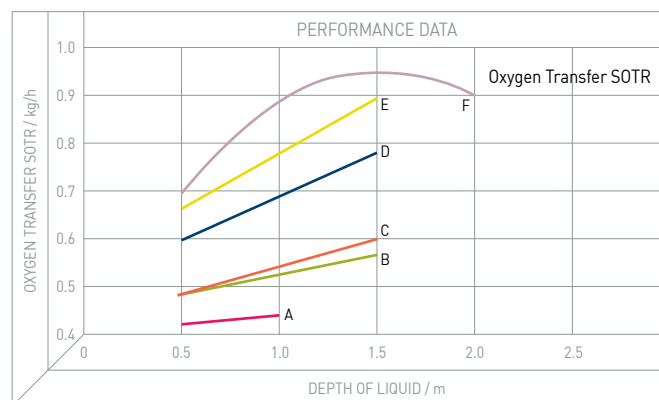
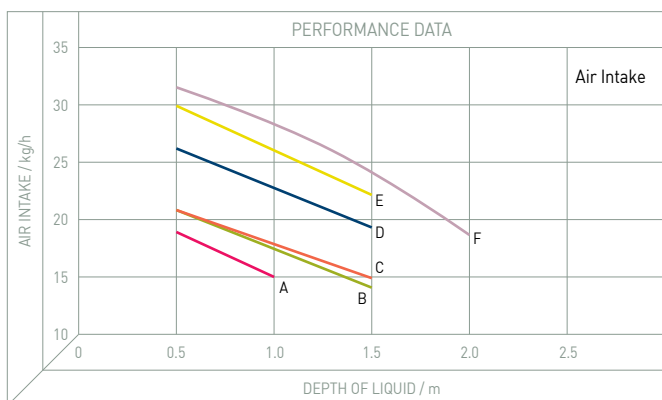
BENEFITS

- Designed for long life
- Great performance
- Easy to install



B

AGRICULTURAL - 5



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch				
OXY 50 – OXY body, sliding flange and pipe guide										
OXY 50	PZ/9009.006	-	-	-	-	-	-	-	10	●
OXY 50 SYSTEM – OXY body, sliding flange, pipe guide and base										
OXY 50 SYSTEM	PZ/7027.015	-	-	-	-	-	-	-	11.50	●
OXY JET 50 – ejector coupled to submersible electric pump										
OXY JET DGO 50/2	PZ/7029.004	A \	1.1	0.37	50	2	40	10	27.5	●
OXY JET DGO 75/2	PZ/7029.005	B \	1.4	0.55	50	2	40	10	28	●
OXY JET DGO 100/4	PZ/7029.009	C \	2.2	0.7	50	2	50	10	30.5	●
OXY JET DGO 100/2	PZ/7029.006	D \	2.3	0.88	50	2	50	10	30	●
OXY JET DGO 150/2	PZ/7029.007	E \	2.5	1.1	50	2	50	10	31.5	●
OXY JET DGO 200/2	PZ/7029.008	F \	3.6	1.5	50	2	50	10	32.5	●
OXY JET DRO 100/2	PZ/7029.001	G \	2.3	0.88	50	2	15	10	30.5	●
OXY JET DRO 150/2	PZ/7029.002	H \	2.7	1.1	50	2	15	10	31.5	●
OXY JET DRO 200/2	PZ/7029.003	I \	3.6	1.5	50	2	15	10	32.5	●



SCAN TO SHOP ONLINE

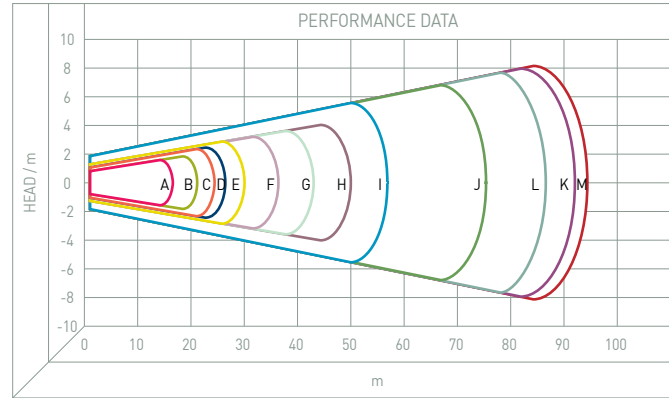
TBM MIXER RANGE



These horizontal submersible mixers are recommended for homogenizing processes in sewage treatment plants, slurry pits and digesters. The design, construction and the use of propellers with a self-cleaning profile are a guarantee of durability and efficiency, even in the most extreme utilisation conditions.

FEATURES

- Cast iron & stainless steel construction
- Mechanical seal
- 1.5 - 25kW output
- Max. submergence depth 20m
- Max. solid content in liquid 12%
- Max temperature of liquid 40°C
- Coupled with 4 and 6 pole motors
- Available with seal leak probe
- ATEX versions available
- Guide rail options



BENEFITS

- Wear resistant, designed for long life
- Fully repairable
- Superior performance

	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		CAPACITY m ³ /h	RPM n	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW					
6 POLE MOTOR	TBM 1.5/6N 400V/3Ph	PCR/TBM1.5/6/3	A \	4.2	1.5	643	925	10	54	●
	TBM 2.2/6N 400V/3Ph	PCR/TBM2.2/6/3	B \	5.7	2.2	876	940	10	57	●
	TBM 2.2/4 400V/3Ph	PCR/TBM2.2/4/3	C \	4.9	2.2	1333	323	10	75	●
4 POLE MOTOR	TBM 3/4 400V/3Ph	PCR/TBM3.0/4/3	D \	6.4	3.0	1581	323	10	78	●
	TBM 4/4 400V/3Ph	PCR/TBM4.0/4/3	E \	9.1	4.0	2146	320	10	81	●
	TBM 5.5/4N 400V/3Ph	PCR/TBM5.5/4/3	F \	11.4	5.5	2391	326	10	109	●
	TBM 7.5/4N 400V/3Ph	PCR/TBM7.5/4/3	G \	15.3	7.5	3254	328	10	115	●
	TBM 9/4N 400V/3Ph	PCR/TBM9.0/4/3	H \	19.2	9.0	3628	328	10	123	●
	TBM 11/4 400V/3Ph	PCR/TBM11.0/4/3	I \	22.4	11.0	3977	351	10	183	●
	TBM 15/4N 400V/3Ph	PCR/TBM15.0/4/3	J \	30	15.0	5335	351	10	193	●
	TBM 18.5/4N 400V/3Ph	PCR/TBM18.5/4/3	K \	36	18.5	6884	354	10	203	●
	TBM 22/4 400V/3Ph	PCR/TBM22.0	L \	42	22.0	9165	275	10	314	●
	TBM 25/4 400V/3Ph	PCR/TBM25.0	M \	47	25.0	10138	275	10	325	●
ATEX VERSIONS	TBMex 2.2/4 400V/3Ph	PCR/TBMEX2.2/4/3	C \	4.9	2.2	1333	323	10	77	●
	TBMex 3/4 400V/3Ph	PCR/TBMEX3/4/3	D \	6.4	3.0	1581	323	10	80	●
	TBMex 4/4 400V/3Ph	PCR/TBMEX4/4/3	E \	9.1	4.0	2146	320	10	83	●
	TBMex 5.5/4 400V/3Ph	PCR/TBMEX5.5/4/3	F \	11.4	5.5	2391	326	10	112	●
	TBMex 7.5/4 400V/3Ph	PCR/TBMEX7.5/4/3	G \	15.3	7.5	3254	328	10	118	●
	TBMex 9/4 400V/3Ph	PCR/TBMEX9/4/3	H \	19.2	9.0	3628	328	10	126	●
	TBMex 11/4 400V/3Ph	PCR/TBMEX11/4/3	I \	22.4	11.0	3977	351	10	187	●
	TBMex 15/4 400V/3Ph	PCR/TBMEX15/4/3	J \	30	15.0	5335	351	10	197	●
	TBMex 18.5/4 400V/3Ph	PCR/TBMEX18.5/4/3	K \	36	18.5	6884	354	10	207	●



SCAN TO SHOP ONLINE

TBX-E MIXER RANGE

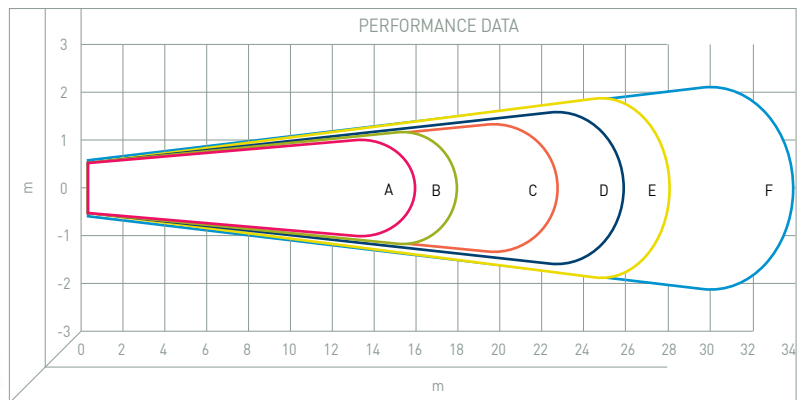


AGRICULTURAL - 5

These submersible horizontal mixers, fully manufactured in AISI 316 stainless steel, are recommended for homogenizing processes in sewage treatment plants and applications in very corrosive liquids. Being designed with a self-cleaning profile guarantees durability and efficiency even in the most extreme utilisation conditions.

FEATURES

- 316 stainless steel construction
- Mechanical seal with twin lipseal on larger models
- Max. submergence depth 20m
- Max. solid content in liquid 8%
- Max temperature of liquid 40°C
- pH 5-12
- High efficiency motor



BENEFITS

- Fully repairable
- High efficiency
- Superior materials used

	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		RPM n	CAPACITY m³/h	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW					
4 POLE MOTOR	TBX 0.75/4N 400V/3Ph	PCR/TBX0.75/4/3	A \	1.8	0.75	1430	251	10	22	●
	TBX 1.1/4N 400V/3Ph	PCR/TBX1.1/4/3	B \	2.6	1.1	1425	418	10	24	●
6 POLE MOTOR	TBX 1.5/6N 400V/3Ph	PCR/TBX1.5/6/3	C \	3.5	1.5	950	840	10	58	●
	TBX 2.2/6N 400V/3Ph	PCR/TBX2.2/6/3	D \	5.1	2.2	960	862	10	58	●
	TBX 3/6N 400V/3Ph	PCR/TBX3/6/3	E \	8	3	980	1256	10	78	●
	TBX 4/6N 400V/3Ph	PCR/TBX4/6/3	F \	9.3	4	970	1448	10	80	●



SCAN TO SHOP ONLINE

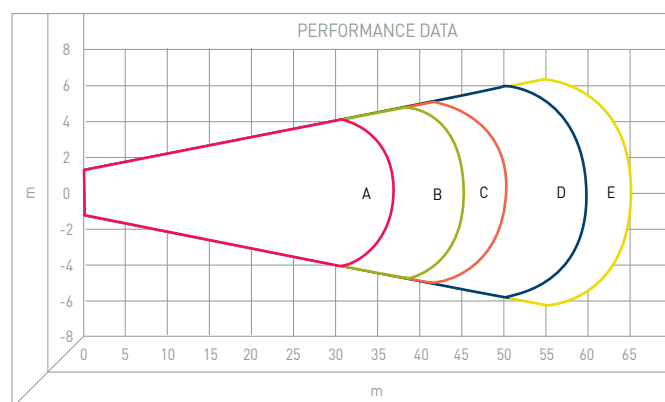
AF FLOW MIXER RANGE



These horizontal submersible flow mixers are recommended for homogenizing processes in anaerobic digestion and sewage treatment plants. Being designed with a self-cleaning profile guarantees durability and efficiency even in the most extreme conditions.

FEATURES

- Cast iron construction
- Single mechanical seal with twin lipseal
- Max. submergence depth 20m
- Max. solid content in liquid 8%
- Max. temperature of pumped liquid 40°C
- Superior planetary gearbox



BENEFITS

- Designed for long life
- Fully repairable
- High efficiency

	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		RPM n	CAPACITY m³/h	CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW					
6 POLE MOTOR	AF 1.5/6	PCR/AF1.5/6	A \	4.2	1.5	32.3	11490	10	106	Ⓢ
	AF 2.2/6	PCR/AF2.2/6	B \	5.9	2.2	32.8	13594	10	107	Ⓢ
4 POLE MOTOR	AF 3/4	PCR/AF3/4	C \	6.4	3	34.1	14716	10	122	Ⓢ
	AF 4/4	PCR/AF4/4	D \	9.1	4	33.7	16250	10	125	Ⓢ
	AF 5.5/4N	PCR/AF5.5/4	E \	12.5	5.5	34.4	17803	10	150	Ⓢ



SCAN TO SHOP ONLINE



Please note: Additional information required / bespoke built item, contact us for more information



Same day dispatch.



Lead time may apply.



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PTS 40 CHOPPER PUMP



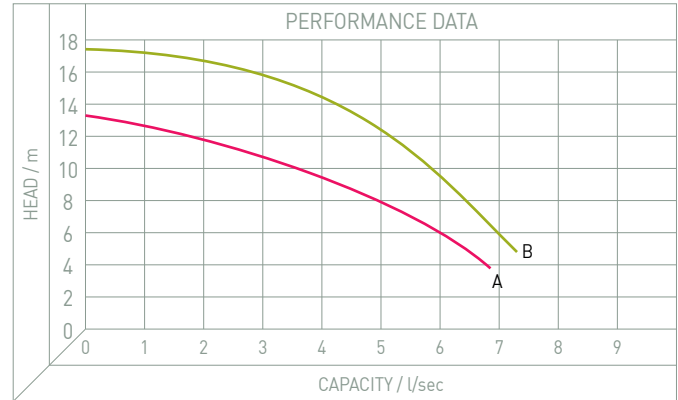
A submersible chopper pump with multi-channel impeller and double chopping system.

FEATURES

- Automatic or manual versions available
- Horizontal or vertical configuration
- Available in single or three phase

BENEFITS

- Good reliability
- Popular product
- Robust build



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS	
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec					
			230V	400V									
PTS 0.75-40	PCR/PTS0.75-40	A \	5	1.9	0.75	40	1 1/2	13.5	6.25	9	10	24	●
PTS 1.1-40	PCR/PTS1.1-40	B \	7.3	2.5	1.1	40	1 1/2	17.5	7.2	9	10	24	●



PTS 65 - 150 RANGE



The PTS range of heavy-duty chopper pumps has been designed for farming and biogas applications and can handle up to 12% solids. For example, when used within slurry from cattle sheds, it solves the problem of pumping heavy solids that contains sawdust and straw, etc. which causes problems for standard pumps.

The heavy-duty cutting system consists of a serrated suction cover and cutting blades, and moving into an open multi-channel impeller for a truly hassle-free design.

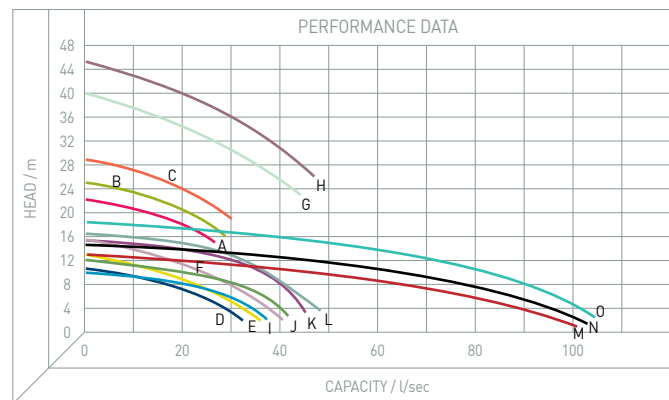
This range has been used in farming, abattoirs, biogas plants and food processing. We can offer a standard motor or full ATEX-approved designs. We can also provide specialist coatings for abrasive applications and for high and low pH levels.

FEATURES

- Cast iron construction
- Heavy duty double cutting system
- Double mechanical seal in oil bath
- Available with seal leak
- Nitec coating available

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Popular product
- Wear parts readily available



PTS 80N SERIES



PTS 100 - 150 SERIES

Please note: 150 Series new and improved hydraulic design with increased flow rates

Agricultural & Environmental

Chopper Pumps



PTS 65 - 150 RANGE



AGRICULTURAL - 5

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec			
PTS 7.5-65 400V/3Ph	PCR/PTS7.5-65/3	A \	15.3	7.5	65	2 ½	22.3	33	10	125	●
PTS 9-65 400V/3Ph	PCR/PTS9-65/3	B \	19.2	9	65	2 ½	24.8	35	10	130	●
PTS 11-65 400V/3Ph	PCR/PTS11-65/3	C \	22.4	11	65	2 ½	28.8	36	10	191	●
PTS 2.2-80N 400V/3Ph	PCR/PTS2.2-80N	D \	4.9	2.2	80	3	10.7	28	10	74	●
PTS 3-80N 400V/3Ph	PCR/PTS3-80N	E \	6.4	3.0	80	3	12.9	27	10	77	●
PTS 4-80N 400V/3Ph	PCR/PTS4-80N	F \	9.1	4.0	80	3	14.7	30	10	78	●
PTS 15-80N 400V/3Ph	PCR/PTS15-80N	G \	31.2	15.0	80	3	38.9	32	10	168.5	●
PTS 18.5-80N 400V/3Ph	PCR/PTS18.5-80N	H \	36.5	18.5	80	3	45.5	39	10	183	●
PTS 4-100 400V/3Ph	PCR/PTS4-100/3	I \	9.1	4.0	100	4	9.8	38	10	88	●
PTS 5.5-100 400V/3Ph	PCR/PTS5.5-100/3	J \	11.4	5.5	100	4	12	42	10	122	●
PTS 7.5-100 400V/3Ph	PCR/PTS7.5-100/3	K \	15.3	7.5	100	4	14.7	45	10	128	●
PTS 9-100 400V/3Ph	PCR/PTS9-100/3	L \	19.2	9.0	100	4	16.1	48	10	133	●
PTS 11-150 400V/3Ph	PCR/PTS11-150/3	M \	22.4	11.0	150	6	12.9	105	10	213	●
PTS 15-150 400V/3Ph	PCR/PTS15-150/3	N \	30	15.0	150	6	15.5	111	10	226	●
PTS 18.5-150 400V/3Ph	PCR/PTS18.5-150/3	O \	36	18.5	150	6	18	129	10	229	●



ATEX VERSIONS

PUMP TYPE ATEX Version	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec			
PTSEX 7.5-65 400V/3Ph	PCR/PTSEX7.5-65/3	A \	15.8	7.5	65	2 ½	22.3	33	10	125	●
PTSEX 9-65 400V/3Ph	PCR/PTSEX9-65/3	B \	19	9	65	2 ½	24.8	35	10	130	●
PTSEX 11-65 400V/3Ph	PCR/PTSEX11-65/3	C \	23.5	11	65	2 ½	28.8	36	10	191	●
PTSEX 2.2-80N 400V/3Ph	PCR/PTSEX2.2-80N	D \	5.3	2.2	80	3	10.7	28	10	74	●
PTSEX 3-80N 400V/3Ph	PCR/PTSEX3-80N	E \	6.4	3.0	80	3	12.9	27	10	77	●
PTSEX 4-80N 400V/3Ph	PCR/PTSEX4-80N	F \	9.1	4.0	80	3	14.7	30	10	78	●
PTSEX 15-80N 400V/3Ph	PCR/PTSEX15-80N	G \	31.2	15.0	80	3	38.9	32	10	168.5	●
PTSEX 18.5-80N 400V/3Ph	PCR/PTSEX18.5-80N	H \	36.5	18.5	80	3	45.5	39	10	183	●
PTSEX 4-100 400V/3Ph	PCR/PTSEX4-100/3	I \	9.1	4.0	100	4	9.8	38	10	88	●
PTSEX 5.5-100 400V/3Ph	PCR/PTSEX5.5-100/3	J \	12.5	5.5	100	4	12	42	10	122	●
PTSEX 7.5-100 400V/3Ph	PCR/PTSEX7.5-100/3	K \	15.8	7.5	100	4	14.7	45	10	128	●
PTSEX 9-100 400V/3Ph	PCR/PTSEX9-100/3	L \	19	9.0	100	4	16.1	48	10	133	●
PTSEX 11-150 400V/3Ph	PCR/PTSEX11-150/3	M \	23.5	11.0	150	6	12.9	105	10	213	●
PTSEX 15-150 400V/3Ph	PCR/PTSEX15-150/3	N \	30	15.0	150	6	15.5	111	10	226	●
PTSEX 18.5-150 400V/3Ph	PCR/PTSEX18.5-150/3	O \	36	18.5	150	6	18	129	10	229	●

Same day dispatch. ● Lead time may apply.

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PTS 100K - 200 RANGE



The PTS-K range of high head heavy-duty submersible chopping pumps are ideal for particularly heavy applications that require a preliminary chopping of the solids.

The PTS 200 series is coupled with the same heavy-duty chopping system, but provides a low head high flow performance.

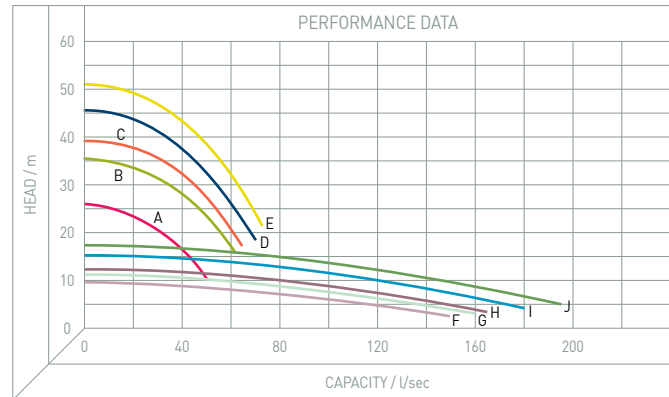
Both ranges use an open multi-channel impeller and double cutting system in the suction inlet.

FEATURES

- Cast iron construction
- Heavy duty double cutting system
- Double mechanical seal in oil bath
- Available with seal leak
- Nitec coating available

BENEFITS

- Good reliability
- Popular product
- Robust build
- Wear parts readily available



SCAN TO SHOP ONLINE



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		FREE PASSAGE mm	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec				
PTS 15-100K 400V/3Ph	PCR/15-100K/3	A \	30	15.0	100	4	25	50	8	10	445	●
PTS 25-100K 400V/3Ph	PCR/25-100K/S	B \	47	25.0	100	4	35	61	8	10	463	●
PTS 30-100K 400V/3Ph	PCR/30-100K/3	C \	56	30.0	100	4	39	65	8	10	475	●
PTS 37-100K 400V/3Ph	PCR/37-100K/3	D \	68	3.7	100	4	45	70	8	10	565	●
PTS 45-100K 400V/3Ph	PCR/45-100K/3-1	E \	82	45.0	100	4	9.5	150	51	10	579	●
PTS 15-200 400V/3Ph	PCR/15-200/3	F \	30	15.0	200	8	9	150	51	10	475	●
PTS 18.5-200 400V/3Ph	PCR/18.5-200/3	G \	38	18.5	200	8	11	161	51	10	490	●
PTS 22-200 400V/3Ph	PCR/22-200/3	H \	43	22.0	200	8	12	165	51	10	565	●
PTS 25-200 400V/3Ph	PCR/25-200/3	I \	48	25.0	200	8	15	180	51	10	577	●
PTS 30-200 400V/3Ph	PCR/30-200/3	J \	58	30.0	200	8	17	195	51	10	601	●

ETO 40



Multi-channel impeller and double chopping system with frame for standard electric motor. Ideal for livestock, biogas and industrial applications.

FEATURES

- Max capacity: 7 l/sec
- Head: 17 m
- Motor power: 0.75 - 1.1 kW
- Suction: 65 mm
- Discharge: 40 mm
- IP 55 Protection
- F class insulation
- Max liquid temperature: 60°C

BENEFITS

- Built for reliability
- Fully repairable
- Superior performance



PUMP TYPE	PRODUCT CODE	OUTPUT		DISCHARGE		MAXIMUM		WEIGHT kg	DELIVERY STATUS
		amp	kW	mm	inch	HEAD m	CAPACITY l/sec		
ETO 0.75-40 400V.3Ph	PCR/ETO0.75-40/3	1.9	0.75	40	1 ½	13.5	6	24	●
ETO 1.1-40 400V.3Ph	PCR/ETO1.1-40/3-1	2.45	1.1	40	1 ½	17.5	7	24.5	●



SCAN TO SHOP ONLINE

ETO 65-200 RANGE



AGRICULTURAL - 5

The ETO 65-200 range of electric horizontal chopper pumps is ideal for particularly heavy duty applications. These pumps are mounted on a frame and coupled with standard electric motors by a flexible coupling. All versions are equipped with a multi vane impeller and double chopping system in the suction inlet.

FEATURES

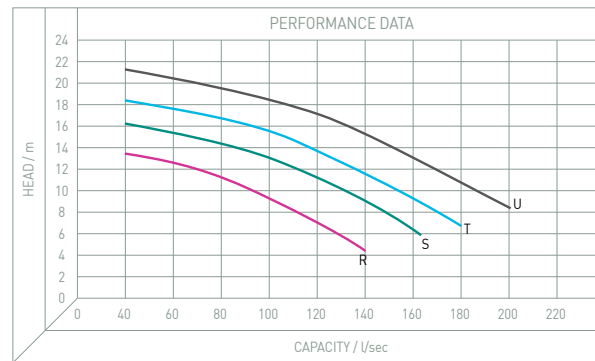
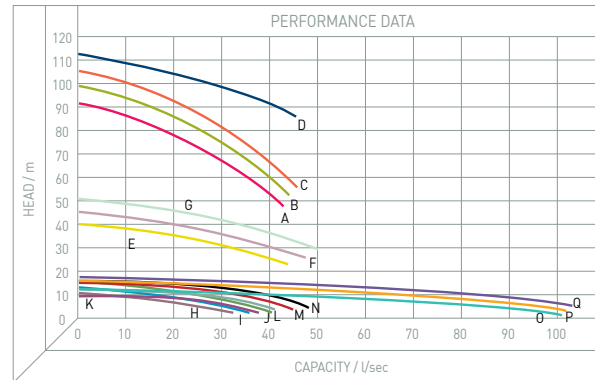
- Cast iron construction
- Mechanical seal with oil bath
- Heavy duty double chopping system
- Heavy duty chopping action
- Optional extras: twin mechanical seal on larger units
- Single cutting version available on 200 series

BENEFITS

- Built for reliability
- Fully repairable
- Superior performance



Please note: 150 Series new and improved hydraulic design with increased flow rates



	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		WEIGHT kg	DELIVERY STATUS
				amp	kW	mm	inch	HEAD m	CAPACITY l/sec		
2 POLE MOTOR	ETO 30-65 400V/3Ph	PCR/ETO 30-65/3	A \	52.6	30	65	2 1/2	72.9	42	510	●
	ETO 37-65 400V/3Ph	PCR/ETO 37-65/3	B \	64.4	37	65	2 1/2	79.6	44	540	●
	ETO 45-65 400V/3Ph	PCR/ETO 45-65/3	C \	77.6	45	65	2 1/2	86.8	46	566	●
	ETO 75-65 400V/3Ph	PCR/ETO 75-65/3	D \	128.2	75	65	2 1/2	112	43	580	●
	ETO 15-80N 400V/3Ph	PCR/ETO 15-80n/3	E \	27.2	15	80	3	38.9	32	276	●
	ETO 18.5-80N 400V/3Ph	PCR/ETO 18.5-80n/3	F \	32.9	18.5	80	3	45.5	39	293	●
4 POLE MOTOR	ETO 22-80N 400V/3Ph	PCR/ETO 22-80n/3	G \	38.9	22	80	3	51.3	45	329	●
	ETO 2.2-80N 400V/3Ph	PCR/ETO 2.2-80n/3	H \	4.83	2.2	80	3	10.7	28	132	●
	ETO 3-80N 400V/3Ph	PCR/ETO 3-80n/3	I \	6.39	3	80	3	12.9	27	133	●
	ETO 4-80N 400V/3Ph	PCR/ETO 4-80n/3	J \	8.35	4	80	3	14.7	30	137	●
	ETO 4-100 400V/3Ph	PCR/ETO 4-100/3	K \	8.35	4	100	4	9.8	37	166	●
	ETO 5.5-100 400V/3Ph	PCR/ETO 5.5-100/3	L \	11.1	5.5	100	4	12	42	190	●
	ETO 7.5-100 400V/3Ph	PCR/ETO 7.5-100/3	M \	14.8	7.5	100	4	14.7	45	191	●
	ETO 9-100 400V/3Ph	PCR/ETO 9-100/3	N \	19	9	100	4	16.1	48	203	●
	ETO 11-150 400V/3Ph	PCR/ETO 11-150/3	O \	21.4	11	150	6	12.9	105	374	●
	ETO 15-150 400V/3Ph	PCR/ETO 15-150/3	P \	28.5	15	150	6	15.5	111	382	●
6 POLE MOTOR	ETO 18.5-150 400V/3Ph	PCR/ETO 18.5-150/3	Q \	34.5	18.5	150	6	18	121	411	●
	ETO 22-200 400V/3Ph	PCR/ETO22-200/3	R \	42.5	22	200	8	14.8	140	800	●
	ETO 30-200 400V/3Ph	PCR/ETO30-200/3	S \	56	30	200	8	17.5	161	860	●
	ETO 37-200 400V/3Ph	PCR/ETO37-200/3	T \	65.8	37	200	8	19.7	180	950	●
	ETO 45-200 400V/3Ph	PCR/ETO45-200/3	U \	80	45	200	8	22.5	200	1150	●



SCAN TO SHOP ONLINE

ETV RANGE



The ETV range of electric vertical chopper pumps is ideal for particularly heavy duty applications. These pumps are mounted on a vertical frame, which includes the suction inlet, and they are coupled with standard electric motors by a flexible coupling.

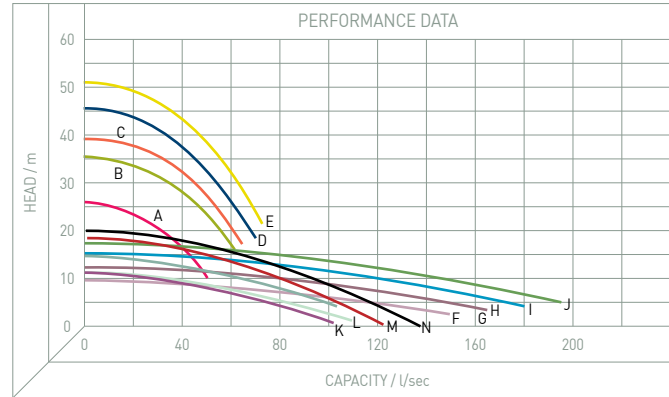
All versions are equipped with a multi vane impeller and double chopping system in the suction. These pumps are recommended for applications that require an adequate chopping of the solid materials present in the liquid being pumped.

FEATURES

- Cast iron construction
- Single mechanical seal in oil bath
- Heavy-duty double chopping system
- Optional extras: twin mechanical seal
- Smaller footprint than the ETO series

BENEFITS

- Good reliability
- Popular product
- Robust build



SCAN TO SHOP ONLINE

	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		DELIVERY STATUS
				amp	kW	mm	inch	HEAD m	CAPACITY l/sec	
4 POLE MOTOR	ETV 2.2-80N 400V/3Ph	PCR/ETV 2.2-80N/3	A \	4.83	2.2	80	3	10.7	27	●
	ETV 3-80N 400V/3Ph	PCR/ETV 3-80N/3	B \	6.39	3.0	80	3	12.9	27	●
	ETV 4-80N 400V/3Ph	PCR/ETV 4-80N/3	C \	8.35	4.0	80	3	14.7	30	●
2 POLE MOTOR	ETV 15-80N 400V/3Ph	PCR/ETV 15-80N/3	D \	27.2	15.0	80	3	38.9	32	●
	ETV 18.5-80N 400V/3Ph	PCR/ETV 18.5-80N/3	E \	32.9	18.5	80	3	45.5	39	●
	ETV 22-80N 400V/3Ph	PCR/ETV 22-80N/3	F \	38.9	22.0	80	3	51.3	45	●
4 POLE MOTOR	ETV 4-100 400V/3Ph	PCR/ETV 4-100/3	G \	8.35	4.0	100	4	9.8	37	●
	ETV 5.5-100 400V/3Ph	PCR/ETV 5.5-100/3	H \	11.1	5.5	100	4	12	42	●
	ETV 7.5-100 400V/3Ph	PCR/ETV 7.5-100/3	I \	14.8	7.5	100	4	14.7	45	●
	ETV 9-100 400V/3Ph	PCR/ETV 9-100/3	J \	19	9.0	100	4	16.1	48	●
	ETV 11-150 400V/3Ph	PCR/ETV 11-150/3	K \	21.4	11.0	150	6	12.9	105	●
	ETV 15-150 400V/3Ph	PCR/ETV 15-150/3	L \	28.5	15.0	150	6	15.5	111	●
	ETV 18.5-150 400V/3Ph	PCR/ETV 18.5-150/3	M \	38	18.0	150	6	18	121	●
ETV 22-150 400V/3Ph	PCR/ETV 22-150/3	N \	42	22	150	6	20	129	●	

Please note: 150 Series new and improved hydraulic design with increased flow rates

Agricultural & Environmental

Chopper Pumps



PTE RANGE



The PTE vertical chopper pump is driven by an extended shaft with air-cooled motor and has a heavy duty, robust design making it suitable for professional use.

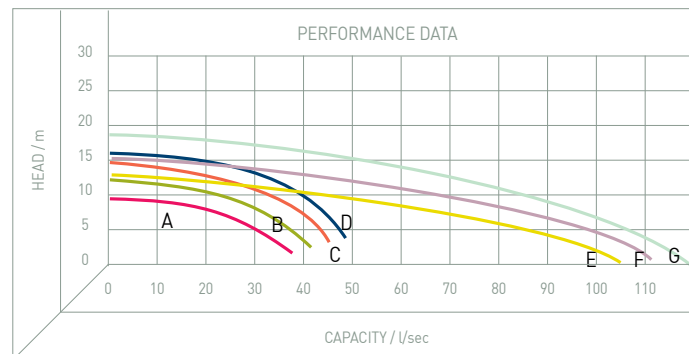
The PTEM versions have a nozzle jet mixer. Both versions are equipped with a multi vane-impeller and double chopping system in suction.

FEATURES

- Cast iron & stainless steel construction
- Double mechanical seal with oil bath
- Heavy-duty double chopping system
- Available with 2m to 5m shaft length

BENEFITS

- Customer inspired design
- Double mechanical seal
- Fully repairable
- Superior materials used



AGRICULTURAL - 5



SCAN TO SHOP ONLINE



PTE SERIES



PTEM SERIES

	PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		DEPTH OF TANK m	PUMP LENGTH	DELIVERY STATUS
				amp	kW	mm	inch	HEAD m	CAPACITY l/sec			
ELECTRIC MOTOR DRIVEN	PTE 4-100 400V/3Ph	PCR/PTE 4-100/3	A \	8.35	4	100	4	10	37	1.5 - 2	2	ⓐ
	PTE 5.5-100 400V/3Ph	PCR/PTE 5.5-100/3	B \	11	5.5	100	4	12	42	2 - 2.5	2.5	ⓐ
	PTE 7.5-100 400V/3Ph	PCR/PTE 7.5-100/3	C \	14.8	7.5	100	4	15	45	2.5 - 3	3	ⓐ
	PTE 9-100 400V/3Ph	PCR/PTE 9-100/3	D \	19	9	100	4	16	48	3 - 3.5	3.5	ⓐ
	PTE 11-150 400V/3Ph	PCR/PTE 11-150/3	E \	21.4	11	150	6	12.9	104	3.5 - 4	4	ⓐ
	PTE 15-150 400V/3Ph	PCR/PTE 15-150/3	F \	28.5	15	150	6	15.5	111	4 - 4.5	4.5	ⓐ
	PTE 18.5-150 400V/3Ph	PCR/PTE 18.5-150/3	G \	38	18.5	150	6	18	121	4.5 - 5	5	ⓐ
ELECTRIC MOTOR DRIVEN	PTEM 4-100 400V/3Ph	PCR/PTME 4-100/3	A \	8.35	4	100	4	10	37	1.5 - 2	2	ⓐ
	PTEM 5.5-100 400V/3Ph	PCR/PTEM 5.5-100/3	B \	11	5.5	100	4	12	42	2 - 2.5	2.5	ⓐ
	PTEM 7.5-100 400V/3Ph	PCR/PTEM 7.5-100/3	C \	14.8	7.5	100	4	15	45	2.5 - 3	3	ⓐ
	PTEM 9-100 400V/3Ph	PCR/PTEM 9-100/3	D \	19	9	100	4	16	48	3 - 3.5	3.5	ⓐ
	PTEM 11-150 400V/3Ph	PCR/PTEM 11-150/3	E \	21.4	11	150	6	12.9	104	3.5 - 4	4	ⓐ
	PTEM 15-150 400V/3Ph	PCR/PTEM 15-150/3	F \	28.5	15	150	6	15.5	111	4 - 4.5	4.5	ⓐ
	PTEM 18.5-150 400V/3Ph	PCR/PTEM 18.5-150/3	G \	38	18.5	150	6	18	121	4.5 - 5	5	ⓐ

Please note: 150 Series new and improved hydraulic design with increased flow rates



Please note: Additional information required / bespoke built item, contact us for more information



Same day dispatch.



Lead time may apply.



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PTH RANGE



The PTH range of high pressure centrifugal chopper pumps is ideal for particularly heavy-duty applications. These pumps have an overgear that is driven via a PTO shaft, multi-channel impellers and a double chopping system.

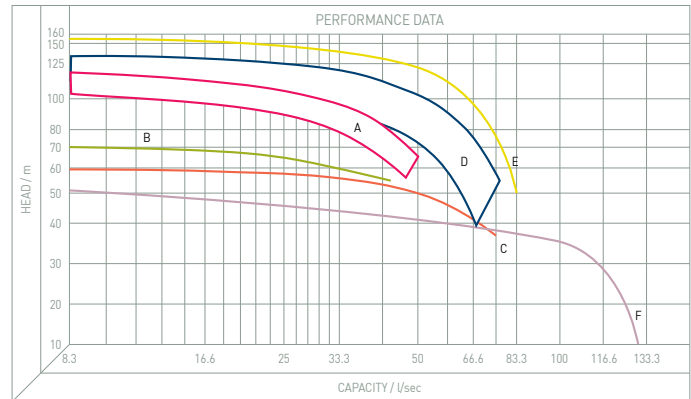
These pumps are recommended for applications that require a substantial head and adequate chopping of the solids present in the liquid being pumped, ideal for systems with self-propelled sprinklers or marked height differences and long pipelines.

FEATURES

- Cast iron construction
- Single mechanical seal in oil bath
- Heavy duty double chopping system
- TTE impeller design

BENEFITS

- Good reliability
- Fully repairable
- Quality engineered
- Strong robust design
- Superior performance



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	SUCTION / DISCHARGE		MAXIMUM		DELIVERY STATUS
			mm	inch	HEAD m	CAPACITY l/sec	
PTH 65	PCR/PTH65	A \	150 x 65	6 x 2 1/2	125	55	●
PTH 80N	PCR/PTH80N	B \	100 x 80	4 x 3	70	43.3	●
PTH 100	PCR/PTH100	C \	150 x 100	6 x 4	60	88.3	●
PTH 100K-TTE	PCR/PTH100K-TTE	D \	150 x 100	6 x 4	138	95.8	●
PTH 100KK-TTE	PCR/PTH100KK-TTE	E \	150 x 100	6 x 4	155	95.8	●
PTH 150	PCR/PTH150	F \	200 x 150	8 x 6	50	130	●



PTO / PTD RANGE



The PTO / PTD range of horizontal centrifugal chopper pumps is ideal for particularly heavy-duty applications.

The PTO series is a pedestal mounted chopper pump that can be coupled via a flexible coupling to a diesel engine or electric motor.

The PTD and PTO range can be coupled via flexible coupling to the flywheel of an engine. Both versions are equipped with a multi-vane impeller and double chopping system in the suction inlet.

These pumps are recommended for systems with self-propelled sprinklers, marked height differences and long pipelines.

FEATURES

- Cast iron construction
- Single mechanical seal with oil bath
- Heavy-duty chopping system
- Adaptable design

BENEFITS

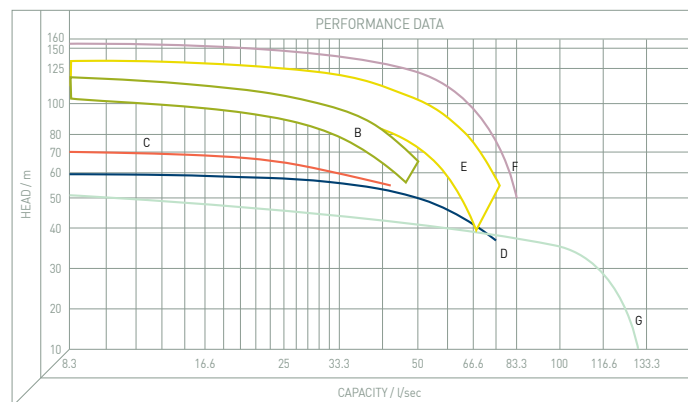
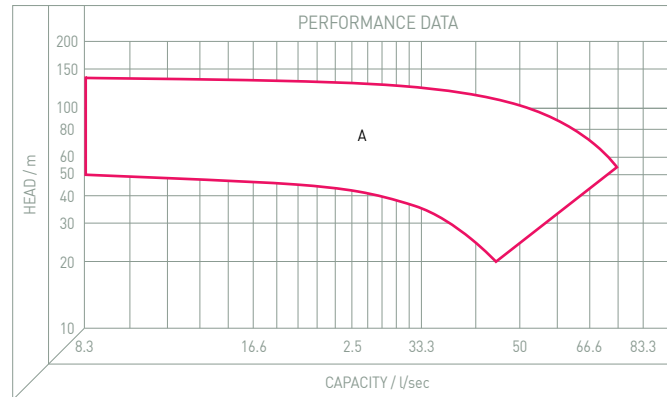
- Good reliability
- Fully repairable
- Quality engineered
- Strong robust design
- Superior performance



PTO



PTD



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	SUCTION/DISCHARGE		MAXIMUM		DELIVERY STATUS
			mm	inch	HEAD m	CAPACITY l/sec	
PTO 100K	PCR/PTO100K/3	A \	150 x 100	6 x 4	50 - 115	45 - 75	●
PTD 65	PCR/PTD65	B \	150 x 65	6 x 2 1/2	125	55	●
PTD 80N	PCR/PTD80N	C \	100 x 80	4 x 3	70	40	●
PTD 100	PCR/PTD100	D \	150 x 100	6 x 4	60	88.3	●
PTD 100K-TTE	PCR/PTD100K	E \	150 x 100	6 x 4	138	95.8	●
PTD 100KK-TTE	PCR/PTD100KK	F \	150 x 100	6 x 4	155	95.8	●
PTD 150	PCR/PTD150	G \	200 x 150	8 x 6	50	125	●

SM SEPARATOR



The SM Separator range is designed for solid liquid separation of farm slurry, featuring a double threaded Archimedean screw and wedgewire screen that can reduce moisture content of sludges up to 40%. All internal components are made from treated AISI 316 stainless steel for longevity.

FEATURES

- Heavy-duty construction
- Cast iron & stainless steel construction
- Up to 33rpm
- Screen sizes from 0.25 - 1mm
- Basic & professional versions available
- High dry matter versions available
- 1 Ph mini available
- Mini dry matter available

BENEFITS

- Designed for long life
- Easy to use
- Fully repairable
- Great performance
- Trouble free



	PUMP TYPE	SEPARATOR ROTATION (rpm)	OUTPUT kW	SCREEN MESH mm	CAPACITY m ³ /h	WEIGHT kg	DELIVERY STATUS
HIGH DRY MATTER	SM260 MINI	20	3.0	0.25, 0.5, 0.75, 1	4.5 - 18	290.0	Ⓢ
	SM260 BASIC	33	4.0	0.25, 0.5, 0.75, 1	4 - 50	390.0	Ⓢ
	SM260 PROFESSIONAL	33	4.0	0.25, 0.5, 0.75, 1	4 - 50	440.0	Ⓢ
	SM300 PROFESSIONAL	33	5.5	0.25, 0.5, 0.75, 1	6 - 72	515.0	Ⓢ
	SM260 DM	14	5.5	0.5, 0.75, 1	6 - 22	470.0	Ⓢ
	SM260 FA DM	20	7.5	0.5, 0.75, 1	5 - 32	500.0	Ⓢ



SCAN TO SHOP ONLINE



Please note: Additional information required / bespoke built item, contact us for more information

MSU MOBILE SEPARATOR



Solution for farm contractor or farmers for shared management of manure. Ideal for livestock, biogas and food industry applications.

FEATURES

- Mobile separation unit is a plug-and-play product that can be easily transported, positioned and operated in a short time.
- Comprising of Cri-Man standard machines making it a flexible system: it is possible to assemble the unit with different sizes of separators and pumps.
- The long pivoting conveyor allows you to load the solid fraction in a wide working area.
- Two chopper pumps (for separator feeding and liquid fraction).
- Overflow circuit on the separator.
- Easily transportable, completely mounted on a compact frame.

BENEFITS

- Designed for long life
- Easy to use
- Fully repairable
- Great performance



SCAN TO SHOP ONLINE



PUMP TYPE	SEPARATOR	ENGINES IMPLEMENTED				
		SEPARATOR kW	SEPARATOR'S SUPPLY CHOPPER ELECTRO-PUMP kW	RELAUNCH CHOPPER ELECTRO-PUMP kW	ADJUSTABLE CONVEYOR BELT kW	PRIMING ELECTRO-PUMP kW
MSU 260 BASIC	SM260 BASIC	4	4	2.2	2.2	0.75
MSU 260 PRO	SM260 PROFESSIONAL	4	4	2.2	2.2	0.75
MSU 260 DM	SM260 DM	5.5	4	2.2	2.2	0.75
MSU 260 FA DM	SM260 FA DM	7.5	5.5	2.2	2.2	0.75
MSU 300 PRO	SM300 PROFESSIONAL	5.5	5.5	2.2	2.2	0.75

PLD PISTON PUMP



AGRICULTURAL - 5

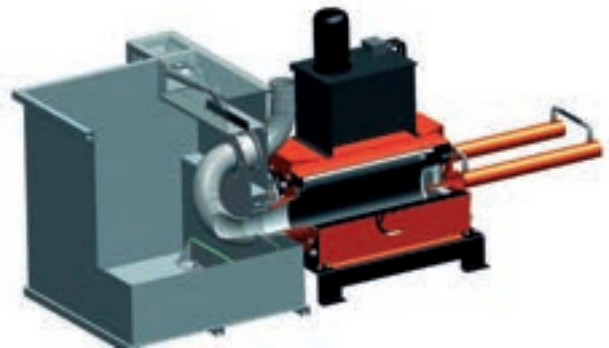
The PLD is a positive displacement piston pump designed for high density liquids. The PLD pump is an ideal match for the biogas and food process sectors. Supplied with an automatic valve system that permits alternating loading and unloading of the pistons.

FEATURES

- Hydraulic motor power 5.5 kW
- Capacity 10 - 30m³/h
- Head 80m
- Pistons stroke 900mm
- Suitable for liquids with up to 27% total solids
- Available with heat exchange unit

BENEFITS

- Designed for long life
- Fully repairable
- Great solids handling capacity
- Robust design
- Wear resistant



PUMP TYPE	PRODUCT CODE	DISCHARGE		MAXIMUM		TOTAL SOLIDS %	WEIGHT kg	DELIVERY STATUS
		mm	inch	HEAD m	CAPACITY l/sec			
PLD	PCR/PLD5.5	200	6	80	8.3	27	600	Ⓢ



SCAN TO SHOP ONLINE

MXL MIXER RANGE



A lateral mixer powered by electric three phase motor with planetary gearbox. Constructed in stainless steel with an oil immersed transmission shaft.

The MXL range can also be supplied in various lengths and installation angles to provide tailored mixing for your application, available with ATEX approved electric motors. Particularly suited to work in combination with the TBM range of mixers for storage tanks exceeding 30 meters in diameter.

FEATURES

- Patented self-supporting shaft
- Lateral external mounted motor
- Planetary gearbox for increased torque
- Axial thrust 2158 - 3826N
- Capacity 3286 - 6702m³/h
- Max length of propeller shaft 5.5m
- Propeller in stainless steel with self-cleaning profile
- Maximum working temperature 60°C
- ATEX rated version available

BENEFITS

- Designed for long life
- Fully repairable
- Robust design



TYPE	SEPARATOR ROTATION (rpm)	OUTPUT		CAPACITY m ³ /h	DELIVERY STATUS
		amp	kW		
MXL 11/4/1.5	351	21.4	11	3977	Ⓢ
MXL 11/4/3	351	21.4	11	3977	Ⓢ
MXL 11/4/4.5	351	21.4	11	3977	Ⓢ
MXL 11/4/5.5	351	21.4	11	3977	Ⓢ
MXL 15/4/1.5	351	28.5	15	5335	Ⓢ
MXL 15/4/3	351	28.5	15	5335	Ⓢ
MXL 15/4/4.5	351	28.5	15	5335	Ⓢ
MXL 15/4/5.5	351	28.5	15	5335	Ⓢ
MXL 18.5/4/1.5	354	34.5	18.5	6884	Ⓢ
MXL 18.5/4/3	354	34.5	18.5	6884	Ⓢ
MXL 18.5/4/4.5	354	34.5	18.5	6884	Ⓢ
MXL 18.5/4/5.5	354	34.5	18.5	6884	Ⓢ



SCAN TO SHOP ONLINE



Please note: Additional information required / bespoke built item, contact us for more information



Same day dispatch.



Lead time may apply.



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HBC BIOCELL

The HBC Biocell transforms slurry into comfortable and hygienic pasteurised bedding. It guarantees consistent quality and sanitisation of bedding produced from recycled separated solids, even under the most unfavourable conditions, permitting the substitution of traditional bedding materials.

FEATURES

- Economic production of bedding
- Daily efficient operation
- Consistent quality
- Easy to use
- PLC control
- Improved, more economic management of slurry
- No additional storage requirements
- ST/ST construction stainless steel
- Monitors process temperature

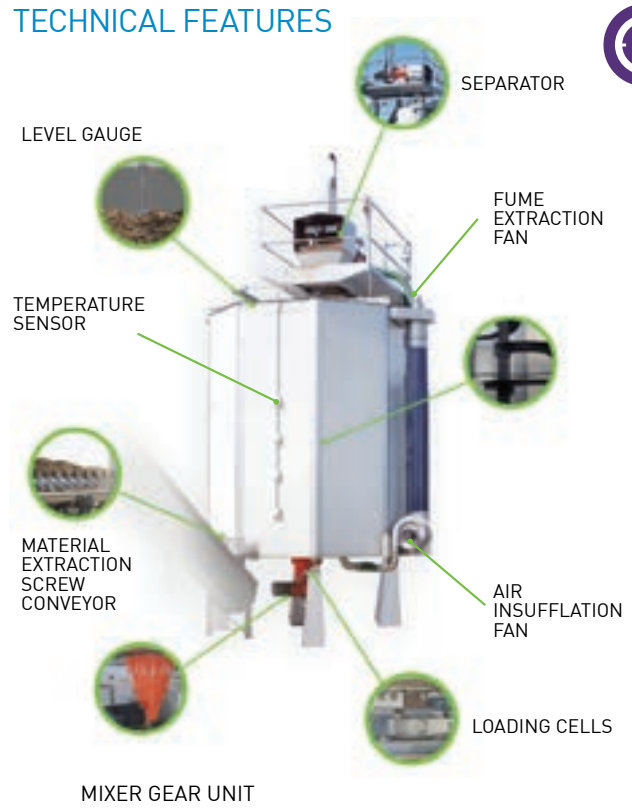
BENEFITS

- Fully repairable with long life
- Quality engineered
- Minimal running costs
- Great investment

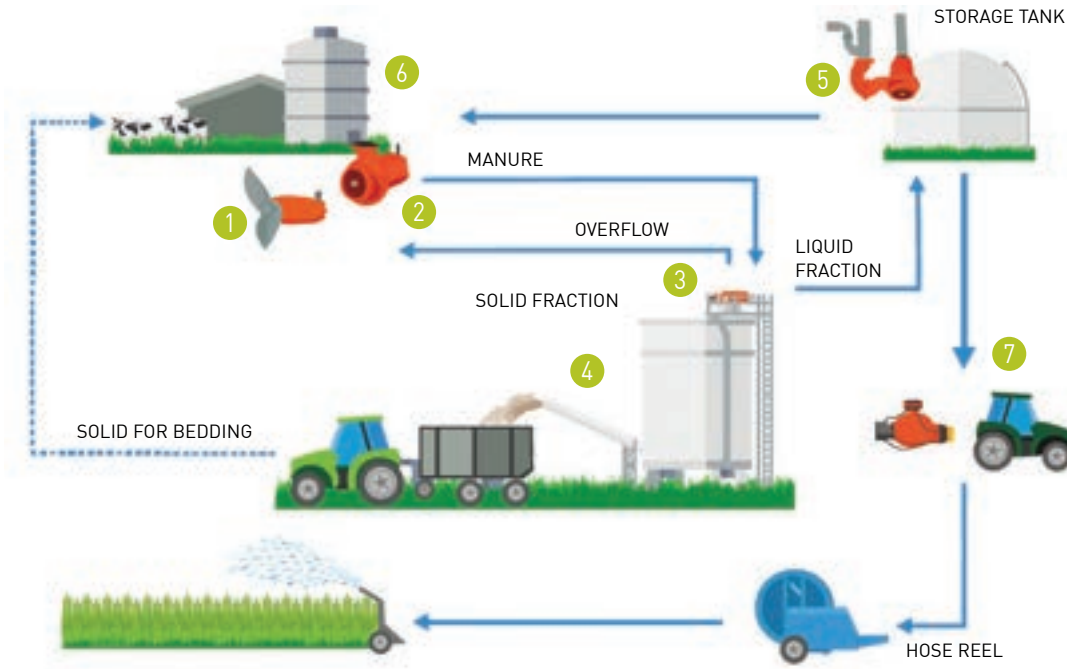


SCAN TO SHOP ONLINE

TECHNICAL FEATURES



LIVESTOCK MANURE MANAGEMENT



PUMP TYPE	MATERIAL OUTPUT tonnes	OUTPUT kW	WEIGHT kg	DELIVERY STATUS
HBC 250	2	5.5	2500	Ⓢ
HBC 500	4	5.5	2500	Ⓢ
HBC 1000	8	6.5	4000	Ⓢ
HBC 2500	20	10.5	6000	Ⓢ

Please note: Additional information required / bespoke built item, contact us for more information

MANDALS HOSE



T-T are the sole UK distributor for Mandals' world class range of layflat hoses. We offer hoses specially designed for use with slurry umbilical and irrigation systems. Mandals' hoses are resistant to most industrial and agricultural chemicals, ozone damage and UV rays, offering the very highest abrasion resistance and tensile strength.

FLEXITEX - A reinforced fluid transfer hose for agricultural systems, predominantly used as a feed hose from farm to field.

ULTRAMAN (STANDARD PU) - A multi purpose transfer hose which is suitable as a feeder hose or even a drag hose in smaller umbilical systems.

DRAGMAN (HEAVY DUTY PU) - This hose is specially designed to withstand extreme tensile stress, pulling forces and abrasion from umbilical slurry systems.

FEATURES

- Pre-twisted yarn for anti-rolling and anti-kink properties
- Extruded through the weave design
- High grade TPU (Ultraman & Dragman)
- High abrasion resistance on all TPU hoses
- Rubber hose designed to swell and return to original size without degradation

BENEFITS

- Lightweight
- Robust design
- Wear resistant



SCAN TO VIEW THE FULL RANGE



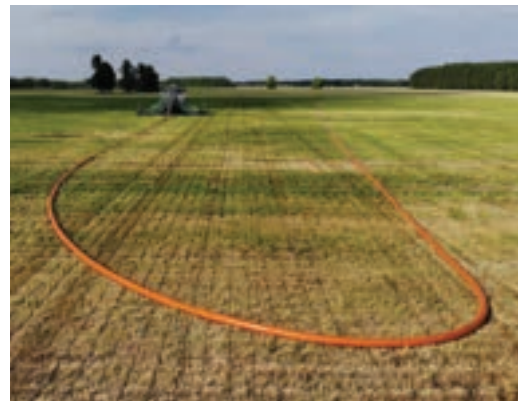
FLEXITEX



ULTRAMAN



DRAGMAN



MXT RANGE



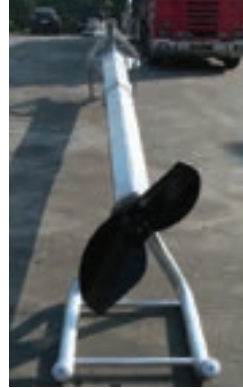
A tractor mounted mixer for below ground slurry lagoons, featuring a fully galvanised construction. The MXT range is fitted with a twin blade propeller with a self-cleaning profile and requires as little as 50hp to operate.

FEATURES

- Heavy-duty construction
- Mild steel galvanised construction
- Up to 33 RPM

BENEFITS

- Fully repairable
- Great performance
- Flexible use



MODEL	TRACTOR RATED POWER		LENGTH m	PROPELLER DIAMETER mm	CAPACITY m ³ /h	WEIGHT kg	DELIVERY STATUS
	hp	kW					
MXT 6/55	55	40	7.71	600	4680	480	Ⓢ
MXT 6/75	75	55	7.71	720	7815	500	Ⓢ
MXT 6/90	90	66	7.71	770	9460	520	Ⓢ



SCAN TO SHOP ONLINE



Please note: Additional information required / bespoke built item, contact us for more information

CFS SHREDDER RANGE



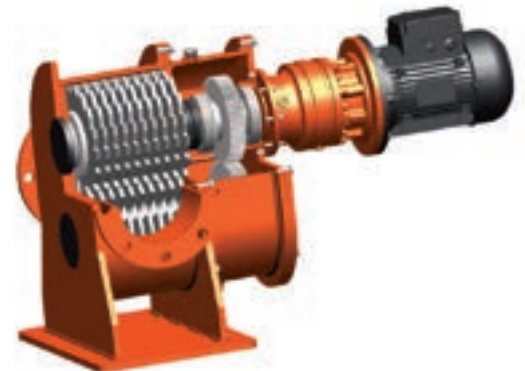
The CFS range is designed to shred solid materials suspended in substrate before entering into a digester. It can be supplied with a suction or pressure pump or operate under head without a pump, ideal for shredding long fibres and objects of medium to large dimensions. The system comprises two series of opposing hardened steel blades with specially designed profiles for shredding solid materials suspended in fluids. A gearbox integrated into the body of the shredder generates different rotation speeds between the two blade support shafts, optimising the process.

FEATURES

- Various blade materials available for different application types
- Epicyclic gearbox providing higher torque
- Dual gearbox design allows both sets of blades to rotate at different speeds
- Same footprint across the four different versions

BENEFITS

- Designed for long life
- Fully repairable
- Quality engineered
- Wear resistant



MODEL	MOTOR RATING kW	MOTOR SIZE	MOTOR RPM n	FLANGES DNa x DNm	BLADE n	MAX PRESSURE bar	CAPACITY m ³ /h	MAX TROUPE Nm	DELIVERY STATUS
CFS 11 / 4	11	160	1450	200 x 200 PN10	116	12	50	905	●
CFS 15 / 4	15	160	1450	200 x 200 PN10	116	12	50	1234	●
CFS 18.5 / 4	18.5	180	1450	200 x 200 PN10	193	12	50	915	●
CFS 22 / 4	22	180	1450	200 x 200 PN10	193	12	50	1087	●



SCAN TO SHOP ONLINE

COMPACTORS, SCREENING & EXTRACTORS



Multiple solutions for optimal management of mechanical wastewater pre-treatments required for processing settleable solids before discharging the wastewater.

PROCESS AVAILABLE:

SCREENING

- Screw Screens or Rotary Drums
- Mesh size of 0.25mm to 10mm
- Capacity up to 1000m³/h

COMPACTION

- For transportation, de-watering and compressing solids (reducing volume)
- Capacity up to 8m³/h
- Horizontal or Vertical outlets

SHAFTLESS SCREW CONVEYING

- Lengths up to 50mtr
- Screws up to 700mm diameter
- Capacity up to 150m³/h

GRIT HANDLING

- For removal of settled solids by a low speed conveying screw
- Capacity up to 600m³/h
- Shaftless Screw

SEPTIC TANK RECEIVING

- Solids received, screened, lifted, washed & compacted
- Capacity up to 100m³/h
- Single or continuous bagging unit

COMBINED PRE-TREATMENT

- Solids screening and compaction / sand & grit removal
- Liquid throughput up to 36 l/sec
- Volume reduction of the screenings up to 40%

APPLICATIONS

- Abattoirs
- Food processing
- Brewery / Vineyards
- Pulp & paper
- Municipal

BENEFITS

- Fully repairable
- Great performance
- Quality build
- Superior materials used
- Wear resistant



SCAN
TO VIEW
ONLINE



Please note: Additional information required / bespoke built item, contact us for more information



Same day dispatch.



Lead time may apply.



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SECTION 06
POTABLE / CLEANWATER
PUMPS



KF RANGE

A

The KF range is an economical transfer pump for domestic and industrial use. Ideal for clear water without abrasive particles or chemically aggressive substances. Featuring a cast iron body, brass peripheral impeller and stainless steel shaft fitted with a carbon-ceramic mechanical seal.

The peripheral impellers have several radial paddles on their extremities, giving more energy to the pumped liquid. The special shaping of the paddles gives the fluid a fast radial recycling motion between the paddles of the impeller and the pump body.

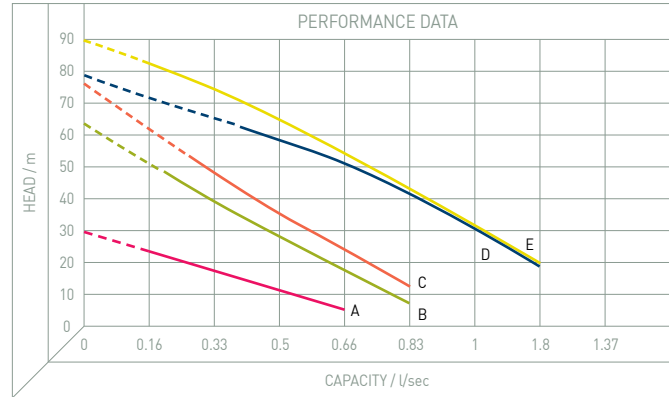
This characteristic enables the fluid pressure to increase progressively from the inlet to the outlet, obtaining a regular and not pulsating flow.

FEATURES

- Cast iron construction
- Brass impeller
- Mechanical seal in carbon/ceramic
- Liquid temperature up to 70°C
- IP44 motor

BENEFITS

- Built for reliability
- Efficient design
- Fully repairable
- Superior materials used



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		INLET x OUTLET		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec		
KF0 230V	PST/KF0/1	A \	2.3	0.37	25 x 25	1 x 1	30	0.7	5.5	
KF0 400V	PST/KF0/3	A \	1	0.37	25 x 25	1 x 1	30	0.7	6	
KF3 230V	PST/KF3/1	B \	5.5	0.55	25 x 25	1 x 1	62	0.8	9.5	
KF3 400V	PST/KF3/3	B \	2.4	0.55	25 x 25	1 x 1	62	0.8	10	
KF4 230V	PST/KF4/1	C \	6.8	0.75	25 x 25	1 x 1	76	0.8	10	
KF4 400V	PST/KF4/3	C \	2.8	0.75	25 x 25	1 x 1	76	0.8	10.5	
KF5 230V	PST/KF5/1	D \	9	1.1	25 x 25	1 x 1	73	1.2	15	
KF5 400V	PST/KF5/3	D \	3.5	1.1	25 x 25	1 x 1	73	1.2	17	
KF6 230V	PST/KF6/1	E \	11.5	1.5	25 x 25	1 x 1	88	1.2	17	
KF6 400V	PST/KF6/3	E \	6.4	1.5	25 x 25	1 x 1	88	1.2	19	

CM / CMP RANGE

A

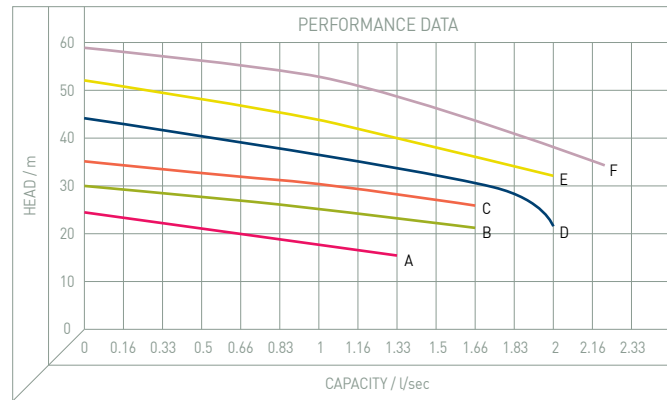
The CM/CMP range is a single stage centrifugal pump for clear water without abrasive particles or chemically aggressive substances, featuring a cast iron pump body, Noryl impeller and stainless steel shaft fitted with ceramic-graphite-NBR mechanical seal. This range possesses a hydrodynamic closed impeller design allowing it to achieve its pressure and flow with minimal loss of efficiency.

FEATURES

- Cast iron construction
- CMP, CMP76 and CMP79 have a Noryl impeller, CM1, CM1B and CM1C have a brass impeller
- Mechanical seal
- Liquid temperature up to 70°C
- IP44 motor

BENEFITS

- Built for reliability
- Efficient design
- Fully repairable
- Superior materials used



POTABLE / CLEANWATER - 6



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		INLET x OUTLET		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec		
CMP 230V	PST/CMP/1	A \	3	0.37	25 x 25	1 x 1	24	1.3	8.5	●
CMP 400V	PST/CMP/3	A \	1.4	0.37	25 x 25	1 x 1	24	1.3	8.5	●
CMP76 230V	PST/CMP76/1	B \	4.5	0.55	25 x 25	1 x 1	30	1.7	11	●
CMP76 400V	PST/CMP76/3	B \	1.8	0.55	25 x 25	1 x 1	30	1.7	11.5	●
CMP79 230V	PST/CMP79/1	C \	6	0.75	25 x 25	1 x 1	34	1.7	12	●
CMP79 400V	PST/CMP79/3	C \	2.7	0.75	25 x 25	1 x 1	34	1.7	12.5	●
CM1 230V	PST/CM1/1	D \	9	1.1	25 x 25	1 x 1	44	2	21.5	●
CM1 400V	PST/CM1/3	D \	3.5	1.1	25 x 25	1 x 1	44	2	23.5	●
CM1B 230V	PST/CM1B/1	E \	10.6	1.5	25 x 25	1 x 1	52	2	23	●
CM1B 400V	PST/CM1B/3	E \	4.8	1.5	25 x 25	1 x 1	52	2	24.5	●
CM1C 230V	PST/CM1C/1	F \	13.7	2.2	25 x 25	1 x 1	59	2.2	25	●
CM1C 400V	PST/CM1C/3	F \	5.6	2.2	25 x 25	1 x 1	59	2.2	27	●

FC RANGE

A

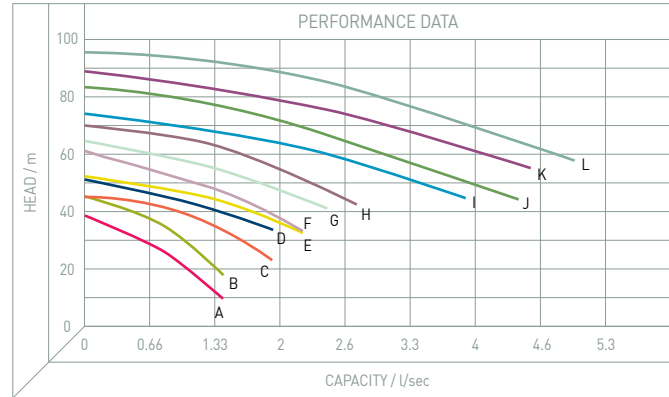
The FC range is a centrifugal pump for the drainage of clear water without abrasive particles or chemically aggressive substances, featuring a cast iron pump body and brass impeller, with a stainless steel shaft fitted with ceramic-graphite-NBR mechanical seal.

FEATURES

- Cast iron construction
- Brass impeller
- Mechanical seal
- Liquid temperature up to 70°C
- IP44 motor

BENEFITS

- Built for reliability
- Efficient design
- Fully repairable
- Superior materials used



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		INLET x OUTLET		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec		
FC20-2B 230V	PST/FC202B/1	A \	4.2	0.55	25 x 25	1 x 1	39	1.4	17	●
FC20-2B 400V	PST/FC202B/3	A \	1.9	0.55	25 x 25	1 x 1	39	1.4	17.5	●
FC20-2A 230V	PST/FC202A/1	B \	6.4	0.75	25 x 25	1 x 1	46	1.4	17.5	●
FC20-2A 400V	PST/FC202A/3	B \	2.8	0.75	25 x 25	1 x 1	46	1.4	18	●
FC25-2D 230V	PST/FC252D/1	C \	9.5	1.1	32 x 25	1 1/4 x 1	44	1.9	25.5	●
FC25-2D 400V	PST/FC252D/3	C \	3.5	1.1	32 x 25	1 1/4 x 1	44	1.9	27	●
FC25-2F 230V	PST/FC252F/1	D \	9.8	1.1	32 x 25	1 1/4 x 1	51	1.9	25.5	●
FC25-2F 400V	PST/FC252F/3	D \	4.2	1.1	32 x 25	1 1/4 x 1	51	1.9	27	●
FC25-2C 230V	PST/FC252C/1	E \	12	1.5	32 x 25	1 1/4 x 1	52.5	2.2	29.5	●
FC25-2C 400V	PST/FC252C/3	E \	5	1.5	32 x 25	1 1/4 x 1	52.5	2.2	29	●
FC25-2E 230V	PST/FC252E/1	F \	12	1.5	32 x 25	1 1/4 x 1	61.5	2.2	29	●
FC25-2E 400V	PST/FC252E/3	F \	5.3	1.5	32 x 25	1 1/4 x 1	61.5	2.2	29.5	●
FC25-2B 400V	PST/FC252B/3	G \	5.8	2.2	32 x 25	1 1/4 x 1	64	2.5	32	●
FC25-2A 400V	PST/FC252A/3	H \	7	3	32 x 25	1 1/4 x 1	70	2.8	37	●
FC30-2C 400V	PST/FC302C/3	I \	9.3	4	40 x 32	1 1/2 x 1 1/4	74	3.9	52	●
FC30-2D 400V	PST/FC302D/3	J \	9.3	4	40 x 32	1 1/2 x 1 1/4	83	4.4	52	●
FC30-2B 400V	PST/FC302B/3	K \	11	5.5	40 x 32	1 1/2 x 1 1/4	89	4.4	74	●
FC30-2A 400V	PST/FC302A/3	L \	13.4	7.5	40 x 32	1 1/2 x 1 1/4	96	5	76	●

M RANGE

A

The M range is a single stage centrifugal pump for clear water without abrasive particles or chemically aggressive substances, featuring a cast iron pump body, Noryl impeller and stainless steel shaft fitted with ceramic-graphite-NBR mechanical seal. This range possesses a hydrodynamic closed impeller design, allowing it to achieve its pressure and flow with minimal loss of efficiency.

FEATURES

- Cast iron construction
- Noryl impeller
- Mechanical seal
- Liquid temperature up to 70°C
- IP44 motor

BENEFITS

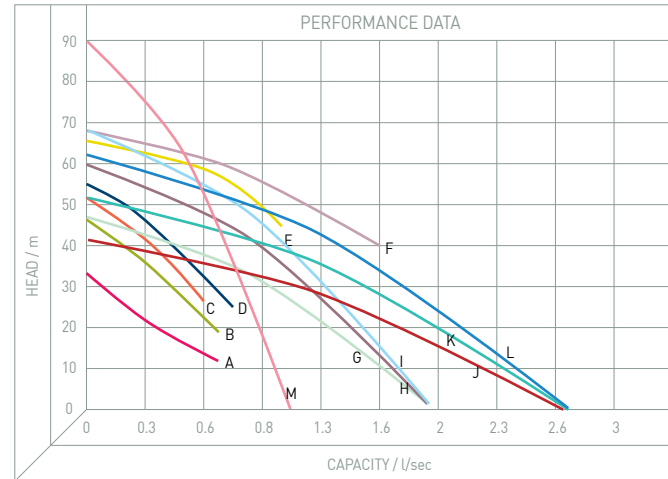
- Built for reliability
- Efficient design
- Fully repairable
- Superior materials used



M50 - M200



M300 - M500



POTABLE / CLEANWATER - 6

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		INLET x OUTLET		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec		
M50 230V	PST/M50/1	A \	2.4	0.37	25 x 25	1 x 1	33	0.8	9.5	
M50 400V	PST/M50/3	A \	1.1	0.37	25 x 25	1 x 1	33	0.8	10.5	
M60 230V	PST/M60/1	B \	3.5	0.37	25 x 25	1 x 1	47	0.8	14	
M60 400V	PST/M60/3	B \	1.6	0.37	25 x 25	1 x 1	47	0.8	15	
M70 230V	PST/M70/1	C \	3.9	0.55	25 x 25	1 x 1	52	0.7	16	
M70 400V	PST/M70/3	C \	1.9	0.55	25 x 25	1 x 1	52	0.7	17	
M80 230V	PST/M80/1	D \	5.7	0.75	25 x 25	1 x 1	55	0.8	17.5	
M80 400V	PST/M80/3	D \	2.7	0.75	25 x 25	1 x 1	55	0.8	18.5	
M150 230V	PST/M150/1	E \	9.5	1.1	40 x 25	1 1/2 x 1	66	1.1	28	
M150 400V	PST/M150/3	E \	3.5	1.1	40 x 25	1 1/2 x 1	66	1.1	30	
M200 230V	PST/M200/1	F \	11.7	1.5	40 x 25	1 1/2 x 1	68	1.7	30	
M200 400V	PST/M200/3	F \	5.2	1.5	40 x 25	1 1/2 x 1	68	1.7	32	
M300 C 230V	PST/M300C/1	G \	9.1	1.1	40 x 32	1 1/2 x 1 1/4	48	1.9	30	
M300 C 400V	PST/M300C/3	G \	3.8	1.1	40 x 32	1 1/2 x 1 1/4	48	1.9	31	
M300 B 230V	PST/M300B/1	H \	12	1.5	40 x 32	1 1/2 x 1 1/4	60	1.9	31	
M300 B 400V	PST/M300B/3	H \	5	1.5	40 x 32	1 1/2 x 1 1/4	60	1.9	32	
M300 A 230V	PST/M300A/1	I \	14.8	2.2	40 x 32	1 1/2 x 1 1/4	69	1.9	34	
M300 A 400V	PST/M300A/3	I \	6	2.2	40 x 32	1 1/2 x 1 1/4	69	1.9	35	
M400 C 230V	PST/M400C/1	J \	9.1	1.1	40 x 32	1 1/2 x 1 1/4	41	2.7	30	
M400 C 400V	PST/M400C/3	J \	3.8	1.1	40 x 32	1 1/2 x 1 1/4	41	2.7	31	
M400 B 230V	PST/M400B/1	K \	12	1.5	40 x 32	1 1/2 x 1 1/4	52	2.8	31	
M400 B 400V	PST/M400B/3	K \	5	1.5	40 x 32	1 1/2 x 1 1/4	52	2.8	33	
M400 A 230V	PST/M400A/1	L \	14.8	2.2	40 x 32	1 1/2 x 1 1/4	63	2.8	34	
M400 A 400V	PST/M400A/3	L \	6	2.2	40 x 32	1 1/2 x 1 1/4	63	2.8	35	
M500 230V	PST/M500/1	M \	14.5	2.2	40 x 32	1 1/2 x 1 1/4	92	1.0	35	
M500 400V	PST/M500/3	M \	6	2.2	40 x 32	1 1/2 x 1 1/4	92	1.0	36	



SCAN TO SHOP ONLINE

M STAINLESS STEEL RANGE

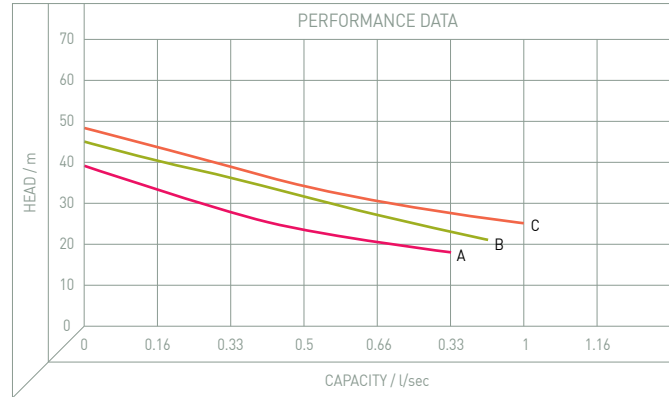
A

The M Stainless Steel range is an economical, industrial, self-priming pump, ideal for domestic use. It permits the transfer / boosting of clear water without abrasive particles or chemically aggressive substances.

This series features a stainless steel outer casing, thermoplastic resin impeller and stainless steel shaft fitted with a ceramic-graphite-NBR mechanical seal.

FEATURES

- Stainless steel construction
- Thermoplastic resin impeller, stainless steel impeller optional
- Self-priming
- Mechanical seal
- Max temperature of liquid 50°C
- IP44 motor



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		INLET x OUTLET		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec		
M94 230V	PST/M94/1	A \	3.6	0.37	25 x 25	1 x 1	39	0.8	8.5	
M94 400V	PST/M94/3	A \	1.6	0.37	25 x 25	1 x 1	39	0.8	9	
M97 230V	PST/M97/1	B \	4.1	0.55	25 x 25	1 x 1	45	0.9	9	
M97 400V	PST/M97/3	B \	1.9	0.55	25 x 25	1 x 1	45	0.9	9.5	
M99 230V	PST/M99/1	C \	5.2	0.75	25 x 25	1 x 1	48	1	10.5	
M99 400V	PST/M99/3	C \	2.5	0.75	25 x 25	1 x 1	48	1	11.5	



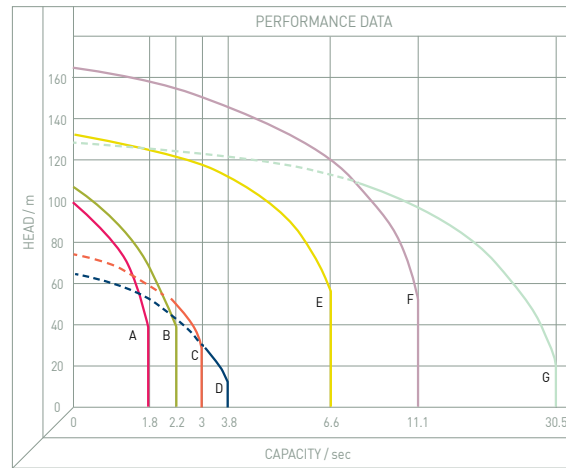
OP RANGE

A

A range of horizontal, multi-stage, stainless-steel centrifugal pumps suitable for pumping clean water and non-aggressive chemical liquids. The OP range is suitable for automatic water distribution in domestic applications or, thanks to its high head, can be used as a pilot pump for pressurisation units.

FEATURES

- Stainless steel construction
- Models from 0.55kW - 18.5kW
- Max temperature of liquid 90°C
- Max operation pressure: 13 bar



PUMP TYPE	CURVE	MOTOR RANGE	INLET x OUTLET		MAXIMUM		DELIVERY STATUS
		kW	mm	inch	HEAD m	CAPACITY l/sec	
OP 32/R	A \	0.55 - 2.2	32 x 25	1 1/4 x 1	100	1.8	
OP 32	B \	0.55 - 2.2	32 x 25	1 1/4 x 1	101	2.2	
OP 40/R	C \	0.75 - 2.2	40 x 40	1 1/2 x 1 1/2	73.5	3.1	
OP 40	D \	0.75 - 2.2	40 x 40	1 1/2 x 1 1/2	64.5	3.9	
OP 50	E \	3.0 - 7.5	50 x 50	2 x 2	129	6.7	
OP 65	F \	4.0 - 11	65 x 65	2 1/2 x 2 1/2	162	11.1	
OP 100	G \	5.5 - 18.5	100 x 80	4 x 3	127.5	30.6	



SWIMMING POOL PUMPS

B

POTABLE / CLEANWATER - 6

Our self-priming pool pumps are designed for efficient and long-term water recirculation and filtering, built with chemically resistant construction materials that ensure reliable pumping in domestic, commercial and industrial installations. With the choice of one or three phase motors that cover a wide range of flow rates and an optional bronze impeller, our pool pumps are a versatile filtering solution.

FEATURES

- Maximum water handling temperature of 40°C
- Large pre-filter protects pump from debris and reduces need for sieve cleaning
- Polypropylene housing and 316 stainless steel shaft for chemical corrosion resistance
- Mechanical seal in 316 stainless steel
- IP55 rated motor for protection against dust and water jets
- Greased motor bearings for longevity and silent operation
- Transparent filter lid for easy inspection of interior sieve
- Completely sealed motor to prevent any electrical contact with water
- Includes a key for easy opening of pre-filter lid (KPW only)
- Turbine available in Noryl or marine grade bronze (KSC & KSM only)
- External ventilation on motor (KSC & KSM only)



PUMP TYPE	MAXIMUM		MOTOR kW	WEIGHT kg	DELIVERY STATUS
	HEAD m	CAPACITY l/sec			
KPO 25 1ph/3ph	12	2.7	0.16	8.5 - 9.8	●
KPO 33 1ph/3ph	12	3.3	0.25	8.5 - 9.8	●
KPO 50 1ph/3ph	12	3.8	0.37	8.5 - 9.8	●
KPO 75 1ph/3ph	14	4.4	0.55	9.8 - 9.9	●
KPO 100 1ph/3ph	14	5	0.7	9.8 - 9.9	●
KPW 50 1ph/3ph	12	4.8	0.37	11.7	●
KPW 75 1ph/3ph	14	5.4	0.55	11.5 - 11.9	●
KPW 100 1ph/3ph	16	6.4	0.75	12.9 - 13.1	●
KPW 150 1ph/3ph	18	7.5	1.1	13.9 - 15.5	●
KPW 200 1ph/3ph	18	7.7	1.5	14.9 - 17.1	●
KPW 300 1ph/3ph	21	8.8	2.2	17.4 - 21	●
KSM-4 300 3ph	14	17.2	2.2	42.5	●
KSM-4 400 3ph	16	20.5	3	44.5	●
KSM-4 550 3ph	14	34.1	4	53.4	●
KSM-4 750 3ph	16	39.7	5.5	66	●
KSM-4 1000 3ph	18	44.4	7.5	76	●
KSM-2 1250 3ph	20	46.3	9.2	84.5	●
KSM-2 1500 3ph	22	52.2	11	85.5	●
KSC-4 300 3ph	14	17.2	2.2	37.5	●
KSC-4 400 3ph	16	20.5	3	39.5	●
KSC-4 550 3ph	14	34.1	4	48.5	●
KSC-4 750 3ph	16	39.7	5.5	61	●
KSC-4 1000 3ph	18	44.4	7.5	71	●
KSC-2 1250 3ph	20	46.3	9.2	79.5	●
KSC-2 1500 3ph	22	52.2	11	80.5	●



SCAN TO SHOP ONLINE

HX RANGE

B

The HX range of electric multi-stage pumps feature a compact design for easy installation into industrial applications, manufactured with stainless steel for reliable transferral of clear water, edible oils and light chemicals. The HX range is available with motors up to 4.4kW that provide flow and pressure rates to suit a variety of pumping needs.

FEATURES

- Motor available up to 4.4kW
- Maximum head of 60m
- Maximum operating temperature of 70°C
- Maximum flow rate of 7.78 l/sec
- Stainless steel construction for corrosion resistance
- Cartridge mechanical seal for easy seal maintenance without motor removal
- IP55 protection rated motor
- Horizontal installation



PUMP TYPE	PRODUCT CODE	MOTOR kW	INLET x OUTLET		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			mm	inch	HEAD m	CAPACITY l/sec		
HX1-20	PN/HX1-20	0.25	25 x 25	1 x 1	16	0.67	10	●
HX1-30	PN/HX1-30	0.37	25 x 25	1 x 1	25.5	0.67	10	●
HX1-40	PN/HX1-40	0.37	25 x 25	1 x 1	34.8	0.67	11	●
HX1-50	PN/HX1-50	0.45	25 x 25	1 x 1	43	0.67	11	●
HX1-60	PN/HX1-60	0.45	25 x 25	1 x 1	52	0.67	12	●
HX2-20	PN/HX2-20	0.37	32 x 25	1 1/4 x 1	19	0.97	15	●
HX2-30	PN/HX2-30	0.37	32 x 25	1 1/4 x 1	28	0.97	15	●
HX2-40	PN/HX2-40	0.55	32 x 25	1 1/4 x 1	36	0.97	15	●
HX2-50	PN/HX2-50	0.55	32 x 25	1 1/4 x 1	45.5	0.97	15	●
HX2-60	PN/HX2-60	0.75	32 x 25	1 1/4 x 1	53.5	0.97	17	●
HX4-20	PN/HX4-20	0.37	32 x 25	1 1/4 x 1	19	1.94	15	●
HX4-30	PN/HX4-30	0.55	32 x 25	1 1/4 x 1	28	1.94	15	●
HX4-40	PN/HX4-40	0.75	32 x 25	1 1/4 x 1	37.5	1.94	17	●
HX4-50	PN/HX4-50	1.1	32 x 25	1 1/4 x 1	47	1.94	17	●
HX4-60	PN/HX4-60	1.1	32 x 25	1 1/4 x 1	56	1.94	17	●
HX8-10	PN/HX8-10	0.75	38 x 32	1 1/2 x 1 1/4	10	3.05	20	●
HX8-20	PN/HX8-20	0.75	38 x 32	1 1/2 x 1 1/4	20	3.05	20	●
HX8-30	PN/HX8-30	1.1	38 x 32	1 1/2 x 1 1/4	29.5	3.05	25	●
HX8-40	PN/HX8-40	1.5	38 x 32	1 1/2 x 1 1/4	39	3.05	28	●
HX8-50	PN/HX8-50	2.2	38 x 32	1 1/2 x 1 1/4	51	3.05	30	●
HX12-10	PN/HX12-10	0.75	38 x 38	1 1/2 x 1 1/2	11.5	4.44	20	●
HX12-20	PN/HX12-20	1.2	38 x 38	1 1/2 x 1 1/2	23	4.44	21	●
HX12-30	PN/HX12-30	1.8	38 x 38	1 1/2 x 1 1/2	35	4.44	25	●
HX12-40	PN/HX12-40	2.4	38 x 38	1 1/2 x 1 1/2	47	4.44	29	●
HX12-50	PN/HX12-50	3	38 x 38	1 1/2 x 1 1/2	60	4.44	34	●
HX16-10	PN/HX16-10	1.1	51 x 51	2 x 2	12.8	6.11	17.5	●
HX16-20	PN/HX16-20	2.2	51 x 51	2 x 2	26	6.11	27	●
HX16-30	PN/HX16-30	3	51 x 51	2 x 2	40	6.11	33	●
HX16-40	PN/HX16-40	4	51 x 51	2 x 2	53.5	6.11	41	●
HX20-10	PN/HX20-10	1.1	51 x 51	2 x 2	13.5	7.78	17.5	●
HX20-20	PN/HX20-20	2.2	51 x 51	2 x 2	27	7.78	27	●
HX20-30	PN/HX20-30	4	51 x 51	2 x 2	39.5	7.78	41	●
HX20-40	PN/HX20-40	4.4	51 x 51	2 x 2	53	7.78	44	●



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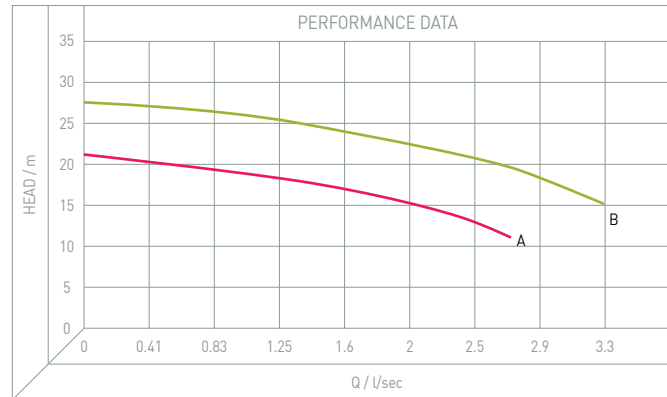
SWB RANGE

The SWB is a stainless steel, horizontal, single stage clean water pump for transferring and boosting clean water with no abrasive particles.

This pump is designed to pump clean, non-flammable and non-explosive liquid that contains no solid granules or fibres.

FEATURES

- 304 stainless steel construction
- Max temperature of liquid 80°C
- Screwed connections
- High efficiency motor
- 0.75 - 1.1kW motor
- 1 1/4" inlet x 1" outlet
- Compact pump design, float neck ring structure and improved mechanical efficiency and volume efficiency



POTABLE / CLEANWATER - 6

A

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		FLOW RANGE l/sec	SPEED r/min	DELIVERY STATUS
			amp	kW			
SWB 6-18 230V	PN/SWB6-18/230V	A \	4.45	0.75	2.7	2900	●
SWB 6-18 400V	PN/SWB6-18/400V	A \	1.64	0.75	2.7	2900	●
SWB 6-25 230V	PN/SWB6-25/230V	B \	6.42	1.1	3.3	2900	●
SWB 6-25 400V	PN/SWB6-25/400V	B \	2.48	1.1	3.3	2900	●



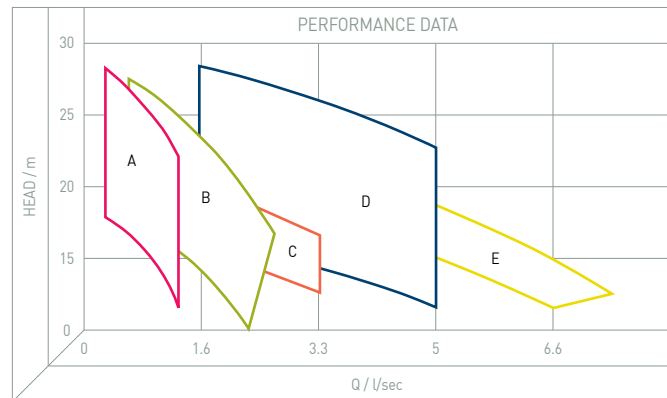
SCAN TO SHOP ONLINE

MX RANGE

The MX range of single stage centrifugal pumps are designed for efficient clean water transfer and pressurisation across industrial and agricultural applications. The MX's compact design, lightweight but durable materials and threaded connections make it easy to install and access for future maintenance.

FEATURES

- Motor available up to 1.1W
- Maximum head of 40m
- Maximum operating temperature of 85°C
- Maximum flow rate of 2.67 l/sec
- Enclosed and fan-cooled motor
- Compact and lightweight design
- Threaded inlet and outlet connections for rapid installation
- Durable 304 stainless steel construction, 316 stainless steel available on request



A

PUMP TYPE	PRODUCT CODE	MOTOR kW	INLET x OUTLET		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			mm	inch	HEAD m	CAPACITY l/sec		
MX 60/0.37	PN/MX 60/0.37	0.37	32 x 25	1 1/4 x 1	17.7	1.33	10	●
MX 60/0.55	PN/MX 60/0.55	0.55	32 x 25	1 1/4 x 1	22.7	1.33	12	●
MX 60/0.75	PN/MX 60/0.75	0.75	32 x 25	1 1/4 x 1	28.2	1.33	14	●
MX 100/0.55	PN/MX 100/0.55	0.55	32 x 25	1 1/4 x 1	17.8	2.33	12	●
MX 100/1.1	PN/MX 100/1.1	1.1	32 x 25	1 1/4 x 1	27.4	2.67	16	●



SCAN TO SHOP ONLINE

MXO / MXC RANGE

B

The MXO / MXC range of horizontal, single-stage pumps are constructed in 304 stainless steel to maximise their operational durability. With a choice of open and semi-open impellers, these pumps are suitable across industrial, agricultural and domestic settings for water supply and drainage.

FEATURES

- Motor available up to 3kW
- Maximum head of 22m
- Maximum operating temperature of 90°C
- Maximum flow rate of 16 l/sec
- Open and semi-open impellers available
- Compact and lightweight design
- IP55 protection-rated motor
- Horizontal installation
- 304 stainless steel construction
- 230V or 400V 50Hz available



APPLICATIONS

MXO

- Domestic and industrial water supply
- Domestic and industrial water drainage
- Washing and surface cleaning

MXC

- HVAC systems
- Water pressurisation



SCAN
TO SHOP
ONLINE

PUMP TYPE	PRODUCT CODE	MOTOR kW	MAXIMUM		WEIGHT kg	DELIVERY STATUS
			HEAD m	CAPACITY l/sec		
MXO 20/1.1	PN/MXO 20/1.1	1.1	9.2	8.3	18	●
MXO 25/1.5	PN/MXO 25/1.5	1.5	12.5	9.7	21	●
MXO 35/2.2	PN/MXO 35/2.2	2.2	15.1	13.8	23	●
MXO 40/3	PN/MXO 40/3	3	17	16.6	25	●
MXC 15/1.1	PN/MXC 15/1.1	1.1	15.2	5.5	19	●
MXC 15/1.5	PN/MXC 15/1.5	1.5	19.5	5.5	22	●
MXC 25/1.5	PN/MXC 25/1.5	1.5	13.8	11.1	22	●
MXC 25/2.2	PN/MXC 25/2.2	2.2	18.4	11.1	24	●
MXC 25/3	PN/MXC 25/3	3	22.4	11.1	26	●

HQX RANGE



The HQX is a versatile range of self-priming pumps that can mix ultra-fine air bubbles (20-30 µm) by simultaneously intaking low-viscosity liquid and gas, pressurising and mixing the two.

The HQX's 304 stainless steel construction and maximum operating temperature of 120°C make them suitable for a variety of applications.

FEATURES

- Motor available up to 7.5kW
- Maximum head of 70m
- Maximum operating temperature of 120°C
- Maximum flow rate of 5 l/sec
- 304 stainless steel construction for corrosion resistance
- HQX/L designed for clear and low-viscosity liquid, HQXB/L series available for explosive/flammable liquid [e.g. fuels]
- Gas-liquid ratio 1:9
- Horizontal inlet, vertical outlet
- High efficiency, low noise pollution



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	MOTOR kW	INLET x OUTLET		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			mm	inch	HEAD m	CAPACITY l/sec		
20HQX-1	PN/20HQX-1	0.55	44 x 38	1 3/4 x 1 1/2	50	0.78	10	●
20HQXB-1*	PN/20HQXB-1	0.55	44 x 38	1 3/4 x 1 1/2	50	0.78	20	●
25HQX-2	PN/25HQX-2	1.1	25 x 44	1 x 1 3/4	60	0.97	14	●
5HQXB-2*	PN/25HQXB-2	1.1	25 x 44	1 x 1 3/4	60	0.97	27	●
40HQX-6	PN/40HQX-6	3	38 x 32	1 1/2 x 1 1/4	70	2.22	36	●
40HQXB-6*	PN/40HQXB-6	4	38 x 32	1 1/2 x 1 1/4	70	2.22	58	●
50HQX-12	PN/50HQX-12	5.5	51 x 38	2 x 1 1/2	70	5	63	●
50HQXB-12*	PN/50HQXB-12	7.5	51 x 38	2 x 1 1/2	70	5	91	●



Please note: *ATEX approved explosion proof models.

NSX RANGE

B

The NSX range of horizontal, single stage pumps are designed to provide high-performance pumping – compliant with European Standard EN733, fitted with 304 stainless steel components as standard and with carbon mechanical seals for maximum reliability.

FEATURES

- Motor available up to 37W
- Maximum head of 70m
- Maximum operating temperature of 100°C
- Maximum flow rate of 55.5 l/sec
- Silicon carbide or carbon mechanical seals for high-pressure capability and corrosion resistance
- Horizontal installation
- 304 stainless steel construction available for increased corrosion resistance



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	MAXIMUM		INLET x OUTLET		MOTOR	WEIGHT kg	DELIVERY STATUS
		HEAD m	CAPACITY l/sec	mm	inch			
NSX 50-32-160/1.1	PN/NSX 50-32-160/1.1	18.7	3.4	50 x 32	2 x 1 1/4	1.1	31	●
NSX 50-32-160/1.5	PN/NSX 50-32-160/1.5	22.5	5	50 x 32	2 x 1 1/4	1.5	37	●
NSX 50-32-160/2.2	PN/NSX 50-32-160/2.2	28	5	50 x 32	2 x 1 1/4	2.2	39	●
NSX 50-32-200/3	PN/NSX 50-32-200/3	34.9	5.5	50 x 32	2 x 1 1/4	3	53	●
NSX 50-32-200/4	PN/NSX 50-32-200/4	45.7	5.5	50 x 32	2 x 1 1/4	4	58	●
NSX 50-32-200/5.5	PN/NSX 50-32-200/5.5	58.5	5.5	50 x 32	2 x 1 1/4	5.5	77	●
NSX 65-40-125/1.5	PN/NSX 65-40-125/1.5	15.5	8.3	65 x 40	2 1/2 x 1 1/2	1.5	33	●
NSX 65-40-125/2.2	PN/NSX 65-40-125/2.2	20	9.7	65 x 40	2 1/2 x 1 1/2	2.2	35	●
NSX 65-40-125/3	PN/NSX 65-40-125/3	25.7	9.7	65 x 40	2 1/2 x 1 1/2	3	47	●
NSX 65-40-160/4	PN/NSX 65-40-160/4	30	9.7	65 x 40	2 1/2 x 1 1/2	4	52	●
NSX 65-40-200/5.5	PN/NSX 65-40-200/5.5	37.4	11.1	65 x 40	2 1/2 x 1 1/2	5.5	78	●
NSX 65-40-200/7.5	PN/NSX 65-40-200/7.5	48	11.1	65 x 40	2 1/2 x 1 1/2	7.5	82	●
NSX 65-40-200/11	PN/NSX 65-40-200/11	64	11.1	65 x 40	2 1/2 x 1 1/2	11	161	●
NSX 65-50-125/3	PN/NSX 65-50-125/3	18	16.6	65 x 40	2 1/2 x 1 1/2	3	49	●
NSX 65-50-125/4	PN/NSX 65-50-125/4	24.2	16.6	65 x 50	2 1/2 x 2	4	54	●
NSX 65-50-160/5.5	PN/NSX 65-50-160/5.5	31.6	16.6	65 x 50	2 1/2 x 2	5.5	78	●
NSX 65-50-200/7.5	PN/NSX 65-50-200/7.5	36.3	16.6	65 x 50	2 1/2 x 2	7.5	82	●
NSX 65-50-200/9.2	PN/NSX 65-50-200/9.2	43.5	16.6	65 x 50	2 1/2 x 2	9.2	85	●
NSX 65-50-200/11	PN/NSX 65-50-200/11	51.5	16.6	65 x 50	2 1/2 x 2	11	161	●
NSX 65-50-200/15	PN/NSX 65-50-200/15	59.7	19.4	65 x 50	2 1/2 x 2	15	171	●
NSX 65-50-200/18.5	PN/NSX 65-50-200/18.5	70.2	19.4	65 x 50	2 1/2 x 2	18.5	188	●
NSX 80-65-125/5.5	PN/NSX 80-65-125/5.5	19.3	33.3	80 x 65	3 x 2 1/2	5.5	79	●
NSX 80-65-125/7.5	PN/NSX 80-65-125/7.5	24.5	33.3	80 x 65	3 x 2 1/2	7.5	83	●
NSX 80-65-125/9.2	PN/NSX 80-65-125/9.2	28.1	36.1	80 x 65	3 x 2 1/2	9.2	87	●
NSX 80-65-160/11	PN/NSX 80-65-160/11	33.9	36.1	80 x 65	3 x 2 1/2	11	163	●
NSX 80-65-160/15	PN/NSX 80-65-160/15	41.8	36.1	80 x 65	3 x 2 1/2	15	173	●
NSX 80-65-200/18.5	PN/NSX 80-65-200/18.5	51	36.1	80 x 65	3 x 2 1/2	18.5	190	●
NSX 80-65-200/22	PN/NSX 80-65-200/22	57.7	36.1	80 x 65	3 x 2 1/2	22	220	●
NSX 80-65-200/30	PN/NSX 80-65-200/30	70.2	36.1	80 x 65	3 x 2 1/2	30	292	●
NSX 100-80-160/11	PN/NSX 100-80-160/11	23.8	53.3	100 x 80	4 x 3	11	163	●
NSX 100-80-160/15	PN/NSX 100-80-160/15	32.3	55.5	100 x 80	4 x 3	15	173	●
NSX 100-80-160/18.5	PN/NSX 100-80-160/18.5	36.2	55.5	100 x 80	4 x 3	18.5	185	●
NSX 100-80-200/22	PN/NSX 100-80-200/22	43.5	55.5	100 x 80	4 x 3	22	223	●
NSX 100-80-200/30	PN/NSX 100-80-200/30	55.4	55.5	100 x 80	4 x 3	30	295	●
NSX 100-80-200/37	PN/NSX 100-80-200/37	64.1	55.5	100 x 80	4 x 3	37	315	●

VX RANGE



The VX range of electric multi-stage pumps are designed for the high-pressure transferral of clear and non-abrasive liquids - with motors available up to 110kW, the VX range provides a pumping solution for a wide range of flow requirements.

The diverse VX's 304 stainless steel construction means these pumps can reliably handle corrosive liquids, making them suitable for use in industrial, agricultural, civil and commercial applications.

FEATURES

- Motor available up to 110kW
- Maximum head of 305m
- Maximum operating temperature of 120°C
- Maximum flow rate of 66 l/sec
- Stainless steel construction for chemical resistance
- Cartridge mechanical seal for easy seal maintenance without motor removal
- Energy-efficient motor
- Vertical installation



SCAN TO SHOP ONLINE

PUMP TYPE	MAXIMUM CAPACITY l/sec	DIN FLANGE	WEIGHT kg	HEAD m	MAXIMUM OPERATION PRESSURE	MOTOR kW	DELIVERY STATUS
VX1	0.6	DN25	19 - 48	6 - 237	25 bar	0.37 - 2.2	●
VX3	1.2	DN25	20 - 55	9.5 - 235	25 bar	0.37 - 3	●
VX5	2.3	DN32	21 - 84	7.5 - 249	25 bar	0.55 - 5.5	●
VX10	3.8	DN40	30 - 168	9.5 - 250	25 bar	0.75 - 11	●
VX15	6.6	DN50	41 - 177	13.5 - 250	25 bar	2.2 - 15	●
VX20	8.1	DN50	41 - 205	14.5 - 244	24 bar	2.2 - 18.5	●
VX32	11.1	DN65	64 - 350	8 - 292	29 bar	2.2 - 30	●
VX45	15.2	DN80	83 - 438	16 - 305	30 bar	4 - 45	●
VX65	22.2	DN100	93 - 424	8 - 215	21 bar	4 - 45	●
VX90	30.5	DN100	105 - 407	6 - 168	16 bar	5.5 - 45	●
VX125	41.6	DN125	230 - 715	15 - 162.5	16 bar	11 - 75	●
VX150	50	DN125	230 - 700	8.5 - 157	15 bar	11 - 75	●
VX210	66.6	DN150	311 - 1180	15.5 - 157.5	15 bar	18.5 - 110	●

COUNTER FLANGE KITS

DIN FLANGE	PUMP TYPE	PRODUCT CODE
DN25	VX1 / VX3	PNS/CF-DN25
DN32	VX5	PNS/CF-DN32
DN40	VX10	PNS/CF-DN40
DN50	VX15 / VX20	PNS/CF-DN50
DN65	VX32	PNS/CF-DN65

MK RANGE

B

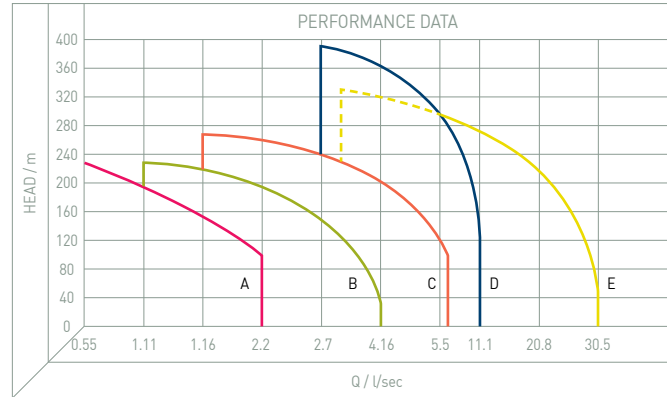
The MK range are multi-stage, close-coupled vertical electric pumps that are suitable for pressurisation, irrigation systems and other applications where high pressure is required.

FEATURES

- Cast iron and stainless steel construction
- Liquid temperature: -15°C up to 90°C (120°C on request)
- Bidirectional mechanical seal

BENEFITS

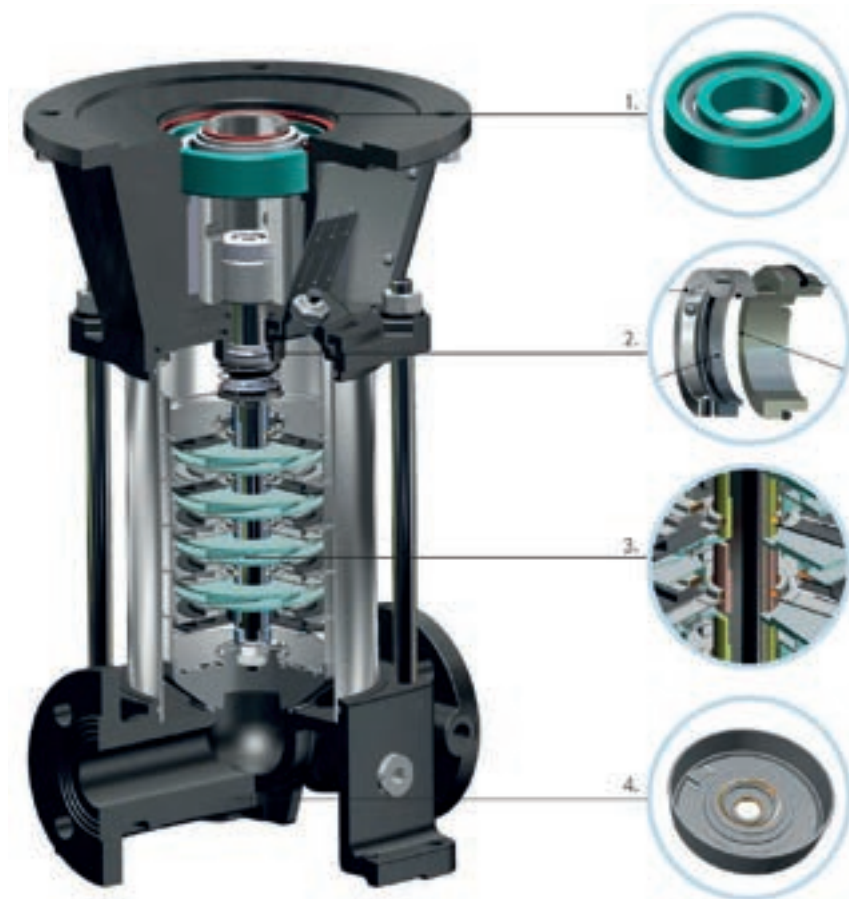
- Designed for reliability and long life
- Robust design



TYPE	CURVE	MOTOR RANGE kW	MAX PRESSURE bar	DIN FLANGE	DELIVERY STATUS
MK32	A \	0.75 – 5.5	23.5	DN32	●
MK40	B \	1.5 – 9.2	23.5	DN40	●
MK50	C \	3.0 – 15.0	26.3	DN50	●
MK65	D \	5.5 – 30.0	39.4	DN65	●
MK100	E \	5.5 – 55.0	33	DN100	●



SCAN TO SHOP ONLINE



CHARACTERISTICS

1. Thrust bearing included in the pump: MK series is equipped with a bearing necessary for supporting the axial thrust generated by the pump. This improves pump life and allows to couple to the pump, the standard normalized motors without turning to normalized motor equipped with axial bearing.
2. Normalized mechanical seal: mechanical seals are according to UNI EN 12756 rules. This allows an easy availability in case of need.
3. Shafts supported and guided by bushings in wear proof material
4. Double wear ring: diffusers equipped with double wear ring in self-lubricating material
5. Wide range: 11 families for power up to 55kW available with different shapes, metallurgies and motors
6. Version with frequency converter (up to 15kW)
7. Pumps and motors made in Italy.
8. Pumps and motors to Directive 2009/125/CE (ErP).

IR RANGE

B

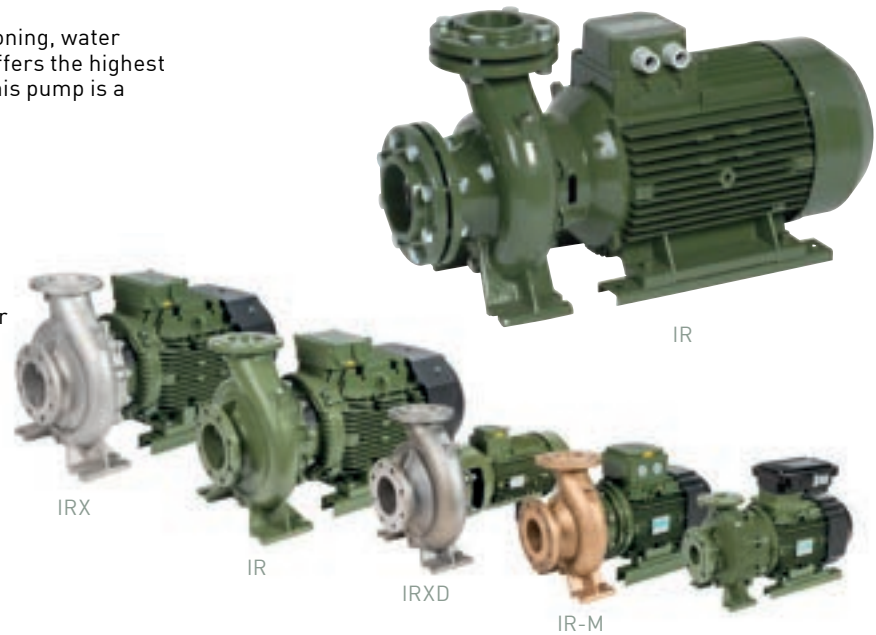
The IR range is ideal for recirculation, air conditioning, water supply and pressurisation systems. The design offers the highest performance in terms of output and efficiency. This pump is a close-coupled end-suction electric pump.

FEATURES

- Cast iron and stainless steel construction
- Available in stainless steel, bronze and super duplex stainless steel
- Bidirectional mechanical seal
- Can be positioned horizontally or vertically
- Selected models available with integral inverter

BENEFITS

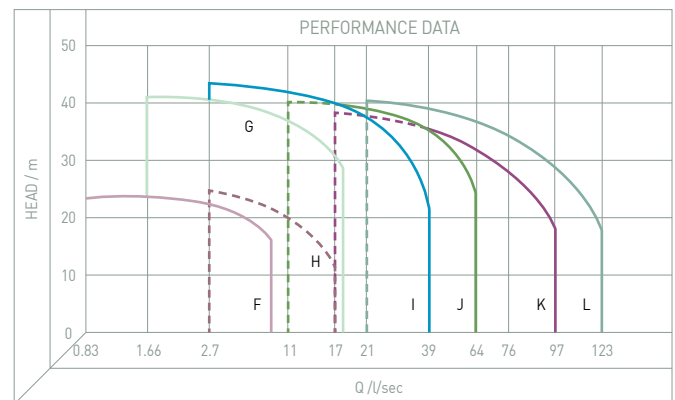
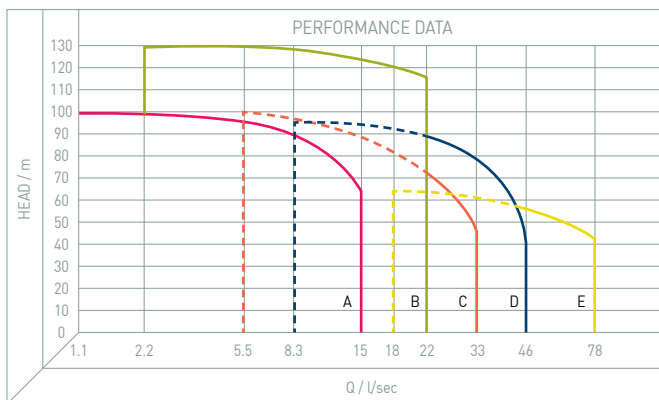
- Designed for reliability and long life
- Easy to use
- Popular product
- Robust design
- Superior materials used



POTABLE / CLEANWATER - 6



SCAN TO SHOP ONLINE



	TYPE	CURVE	MOTOR RANGE kW	MAX PRESSURE bar	INLET	OUTLET	DELIVERY STATUS
2900RPM 2 POLE	IR32	A \	0.75 - 17	9.8	DN50	DN32	●
	IR40	B \	1.5 - 45	12.9	DN65	DN40	●
	IR50	C \	2.2 - 55	12	DN65	DN50	●
	IR65	D \	3.0 - 45	9.55	DN80	DN65	●
	IR80	E \	5.5 - 75	10.2	DN100	DN80	●
1450RPM 4 POLE	IR4P32	F \	0.37 - 3	2.35	DN50	DN32	●
	IR4P40	G \	0.37 - 9.2	4.1	DN65	DN40	●
	IR4P50	H \	0.55 - 11	4.1	DN65	DN50	●
	IR4P65	I \	0.75 - 30	6.5	DN80	DN65	●
	IR4P80	J \	2.2 - 45	6.3	DN100	DN80	●
	IR4P100	K \	5.5 - 75	6.4	DN125	DN100	●
	IR4P125	L \	11.0 - 75	5.9	DN150	DN125	●

NCB/Z RANGE

B

The NCB/Z is a bare shaft end-suction centrifugal pump, also available with a long coupled electric motor and base plate.

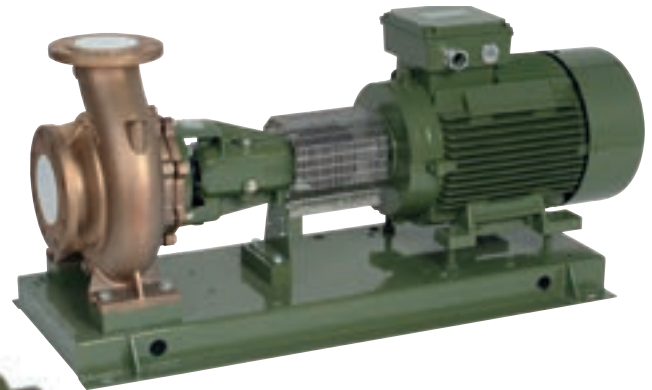
The motor unit and the rotating part of the pump can be taken away without removing the pump body from the system piping. This pump is suitable for recirculating plants, heating, air conditioning, water supply and pressurisation systems.

FEATURES

- Cast iron and stainless steel construction
- Liquid temperature: -15°C up to 120°C
- IE3 high efficiency motors
- Also available in stainless steel, bronze and superduplex stainless steel

BENEFITS

- Designed for reliability and long life
- Easy to use
- Popular product
- Robust design
- Superior materials used



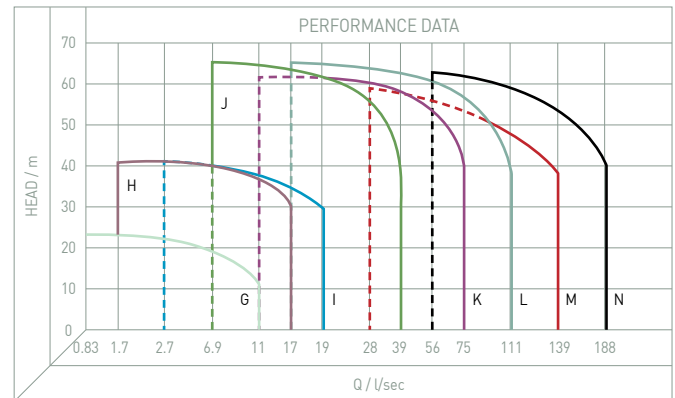
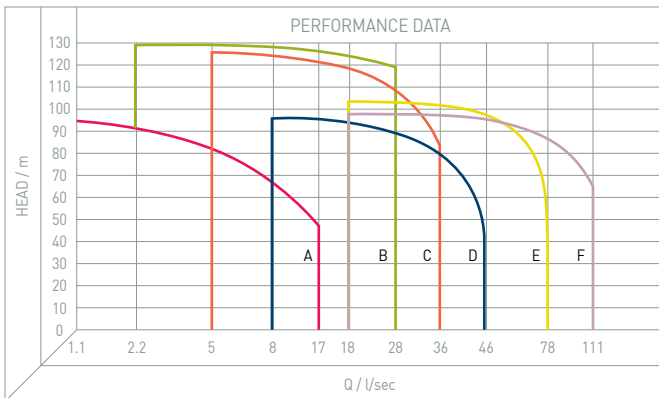
NCB/ZM PUMP WITH MOTOR, COUPLING & BASE PLATE



NCB BARESHAFT PUMP



SCAN TO SHOP ONLINE



	TYPE	CURVE	MOTOR RANGE kW	MAX PRESSURE bar	INLET	OUTLET	DELIVERY STATUS
2900 RPM 2 POLE	NCBZ32	A \	0.75 – 22.0	9.8	DN50	DN32	●
	NCBZ40	B \	1.5 – 45.0	12.9	DN65	DN40	●
	NCBZ50	C \	2.2 – 55.0	12.5	DN65	DN50	●
	NCBZ65	D \	3.0 – 45.0	9.5	DN80	DN65	●
	NCBZ80	E \	5.5 – 90	10.2	DN100	DN80	●
	NCBZ100	F \	22.0 – 90.0	9.7	DN125	DN100	●
1450 RPM 4 POLE	NCBZ4P32	G \	0.37 – 3.0	2.38	DN50	DN32	●
	NCBZ4P40	H \	0.37 – 9.2	4.1	DN65	DN40	●
	NCBZ4P50	I \	0.55 – 11.0	4.1	DN65	DN50	●
	NCBZ4P65	J \	0.75 – 30.0	6.5	DN80	DN65	●
	NCBZ4P80	K \	2.2 – 45.0	6.3	DN100	DN80	●
	NCBZ4P100	L \	5.5 – 75.0	6.48	DN125	DN100	●
	NCBZ4P125	M \	11.0 – 75.0	5.9	DN150	DN125	●
	NCBZ4P150	N \	18.5 – 90.0	6.2	DN200	DN150	●

NCBK/Z RANGE

B

The NCBK/Z is a bare shaft end-suction centrifugal pump, also available with a long coupled electric motor and base plate.

The motor unit and the rotating part of the pump can be taken away without removing the pump body from the system piping. This pump is suitable for recirculating plants, heating, air conditioning, water supply and pressurisation.

FEATURES

- Cast iron and stainless steel construction
- Liquid temperature: -15°C up to 120°C
- IE3 high efficiency motors
- Also available in stainless steel, bronze and super duplex stainless steel
- Discharge sizes from DN150 - DN300

BENEFITS

- Designed for reliability and long life
- Easy to use
- Popular product
- Robust design
- Superior materials used



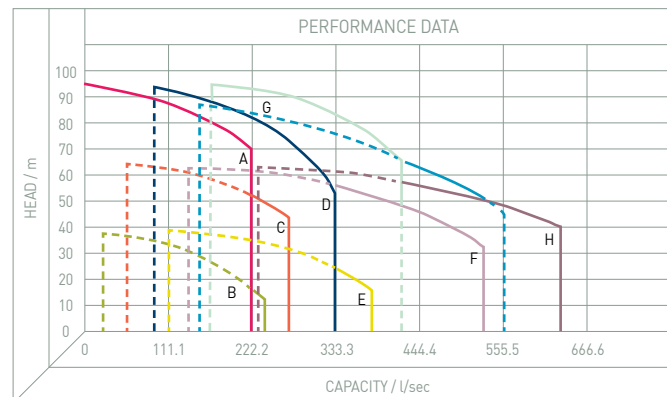
NCBK BARESHAFT PUMP



NCBK/Z PUMP WITH MOTOR, COUPLING & BASE PLATE



SCAN TO SHOP ONLINE



TYPE	CURVE	MOTOR RANGE kW	MAX HEAD m	INLET	OUTLET	DELIVERY STATUS
NCBK/Z 150 - 500	A \	110 - 200	94.5	DN200	DN150	●
NCBK/Z 200 - 315	B \	37 - 55	37	DN250	DN200	●
NCBK/Z 200 - 400	C \	90 - 160	63.5	DN250	DN200	●
NCBK/Z 200 - 500	D \	200 - 315	95	DN250	DN200	●
NCBK/Z 250 - 315	E \	55 - 110	37.5	DN300	DN250	●
NCBK/Z 250 - 400	F \	200 - 315	62.8	DN300	DN250	●
NCBK/Z 250 - 500	G \	250 - 400	96.7	DN300	DN250	●
NCBK/Z 300 - 400	H \	200 - 315	57.9	DN350	DN300	●
NCBK/Z 300 - 500	I \	250 - 355	89.9	DN350	DN300	●

SKD/Z RANGE

B

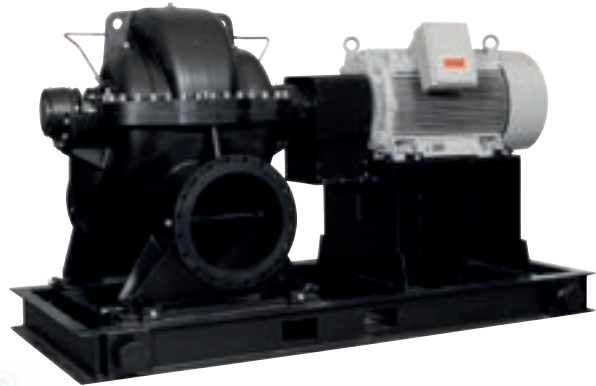
This axial split case pump with double suction impeller is suitable for recirculating plants, heating, air conditioning, heat recovery, fire fighting systems, irrigation and process plants. The double volute design has many benefits, including low vibration and no shaft flexion. The hydraulic design allows high efficiency and low NPSH with its cast iron construction and stainless steel shaft making the pump durable with a long life span.

FEATURES

- Cast iron and stainless steel construction
- Liquid temperature: -15°C up to 120°C
- IE3 high efficiency motors
- Also available in stainless steel, bronze and super duplex stainless steel
- Discharge sizes from DN80 - DN500
- Working pressure: up to PN25

BENEFITS

- Designed for reliability and long life
- Easy to maintain and repair
- Energy efficient
- Robust design



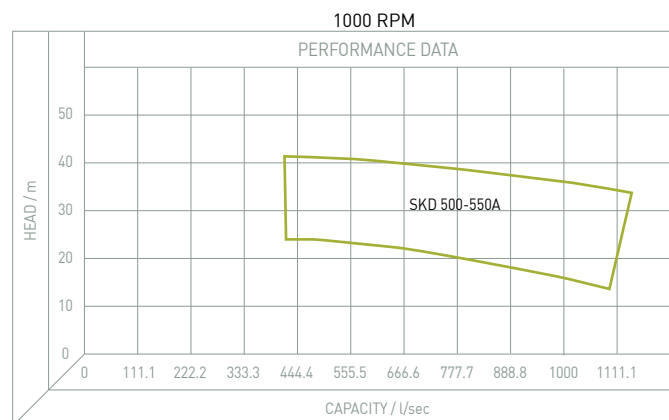
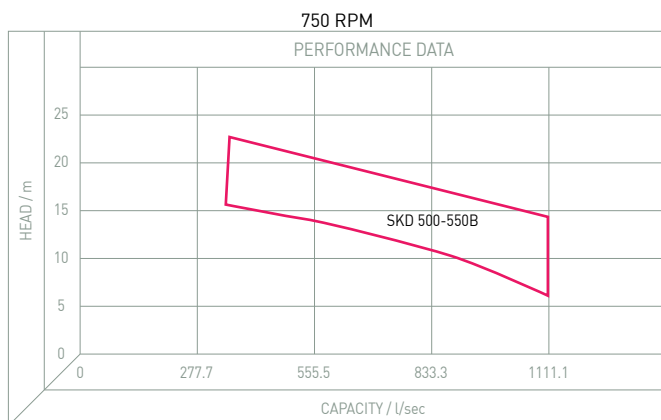
SKD/Z PUMP WITH MOTOR, COUPLING & BASE PLATE



SKD BARESHAFT PUMP



SCAN TO SHOP ONLINE

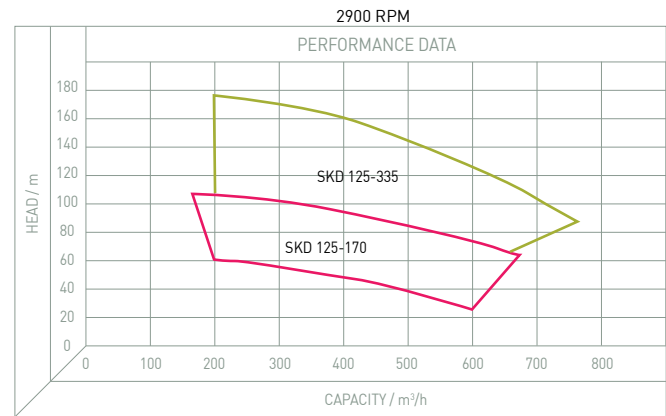
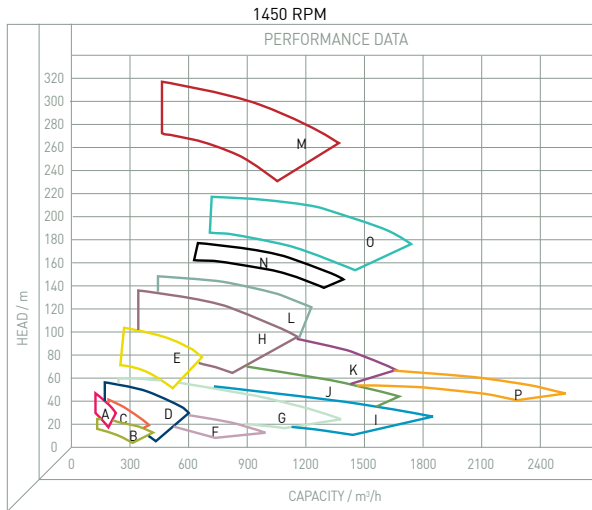


TYPE	CURVE	MOTOR RANGE kW	RPM	MAX HEAD m	INLET	OUTLET	DELIVERY STATUS
SKD 500-550B	A \	110 - 250	750	22.2	DN600	DN500	●
SKD 500-550A	B \	200 - 450	1000	41	DN600	DN500	●

SKD/Z RANGE

B

POTABLE / CLEANWATER - 6



TYPE	CURVE	MOTOR RANGE kW	RPM	MAX HEAD m	INLET	OUTLET	DELIVERY STATUS
SKD/Z 80 - 355	A \	15 - 30	1450	45.1	DN150	DN80	●
SKD/Z 125 - 270	B \	11 - 22	1450	26	DN200	DN125	●
SKD/Z 125 - 335	C \	18.5 - 37	1450	42	DN200	DN125	●
SKD/Z 150 - 400	D \	37 - 90	1450	60	DN200	DN150	●
SKD/Z 150 - 500	E \	110 - 200	1450	105	DN200	DN150	●
SKD/Z 200 - 315	F \	45 - 75	1450	39	DN300	DN200	●
SKD/Z 200 - 400	G \	90 - 160	1450	58	DN250	DN200	●
SKD/Z 200 - 630	H \	200 - 400	1450	135	DN250	DN200	●
SKD/Z 250 - 400	I \	110 - 250	1450	57	DN350	DN250	●
SKD/Z 250 - 450	J \	160 - 250	1450	74	DN300	DN250	●
SKD/Z 250 - 560	K \	250 - 450	1450	120	DN300	DN250	●
SKD/Z 250 - 630	L \	355 - 500	1450	145	DN300	DN250	●
SKD/Z 250 - 630/2	M \	900 - 1200	1450	318	DN300	DN250	●
SKD/Z 250 - 750	N \	630 - 710	1450	180	DN300	DN250	●
SKD/Z 250 - 750/2	O \	800 - 1000	1450	218	DN300	DN250	●
SKD/Z 300 - 500	P \	355 - 450	1450	87	DN400	DN300	●

TYPE	CURVE	MOTOR RANGE kW	RPM	MAX HEAD m	INLET	OUTLET	DELIVERY STATUS
SKD 125 - 270	A \	11 - 22	2900	26	DN200	DN125	●
SKD 125 - 335	B \	18.5 - 37	2900	42	DN200	DN125	●

TM / TMB / TMV RANGE

The TM, TMB and TMV are a comprehensive range of horizontal pumps that offer a variety of models – providing a pumping solution to applications with different power type, flow rate, solids handling and corrosion resistance demands. These multi-stage pumps are designed for applications that require high pressure and resistance to wear, covering industrial, agricultural, commercial and civil installations.

FEATURES

- Available as a bare shaft pump or coupled with a diesel or electric motor
- TM models feature axial impellers, TMB/V models feature radial impellers
- Pump stages between 2 – 13
- Stainless steel, duplex, super duplex, cast iron and bronze components available
- Optional reinforcement including cast iron stage bodies, stainless steel shaft and PN63 nozzles

APPLICATIONS

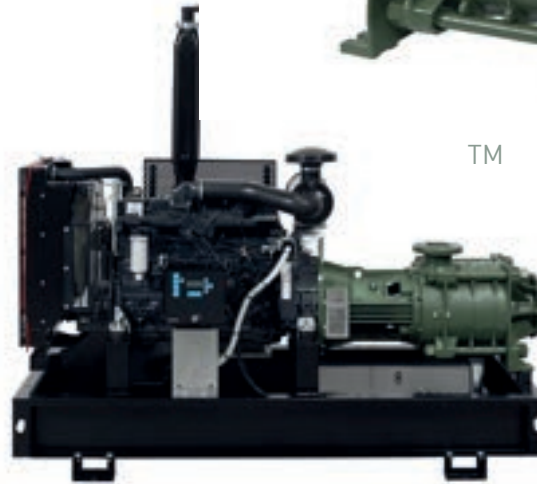
- HVAC systems
- Irrigation
- Washing systems
- Artificial snow
- Lifting plants



SCAN TO SHOP ONLINE



TM

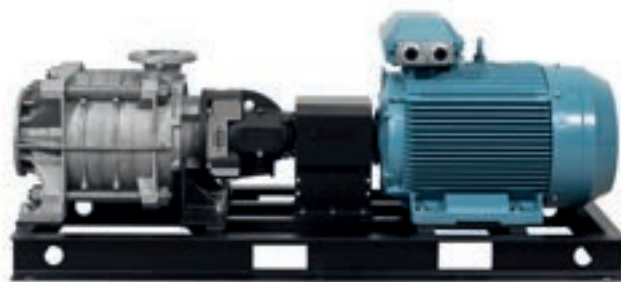


TM DIESEL

PUMP TYPE	MAXIMUM		MAXIMUM OPERATION PRESSURE bar	MAXIMUM TEMPERATURE	MOTOR	DELIVERY STATUS
	amp	kW				
TM / TMB / TMV	642	236	63	120°C	710	



TMBX



TMZX

Potable / Cleanwater Pumps



L RANGE

Centrifugal electric pumps with an in-line inlet and outlet for hot and cold water circulation. The L range is suitable for installation in civil and industrial plants for heating, cooling, hot water, sanitary purposes, pressurising and other civil and industrial applications.

FEATURES

- Cast iron and stainless steel construction
- Liquid temperature: -15°C up to 140°C
- Maximum operation pressure: 16 bar
- Selected models available with integral inverter for variable speed operation

BENEFITS

- Designed for reliability and long life
- Easy to use
- Popular product
- Robust design
- Superior materials used

TWIN HEAD UNITS COMING SOON!

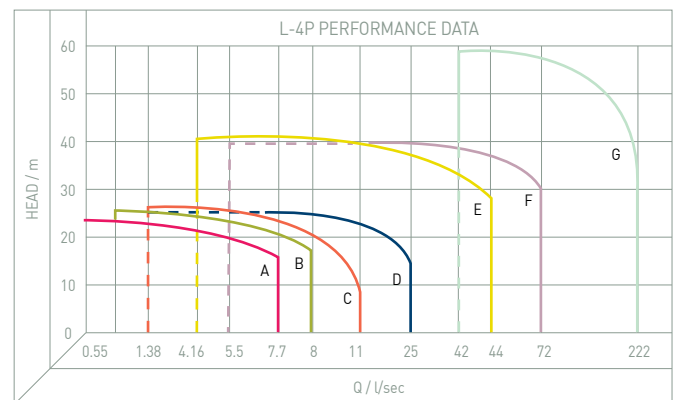
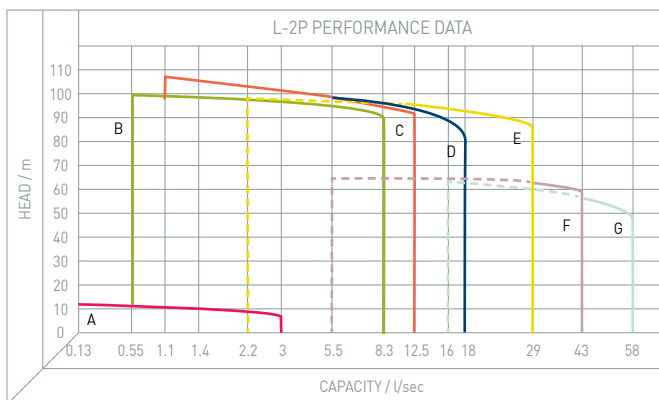
B



POTABLE / CLEANWATER - 6



SCAN TO SHOP ONLINE



	TYPE	CURVE	MAX PRESSURE bar	MAX Q l/sec	MOTOR RANGE kW	INLET	OUTLET	DELIVERY STATUS
L-2P RANGE (2900RPM)	L-2P 25	A \	1.1	3.1	0.18 - 0.37	DN25	G1 1/2	●
	L-2P 32	B \	9.6	8.3	0.18 - 15.0	DN32	DN32	●
	L-2P 40	C \	10.2	12.5	0.55 - 18.5	DN40	DN40	●
	L-2P 50	D \	9.9	18	0.55 - 22.0	DN50	DN50	●
	L-2P 65	E \	9.3	29.2	0.75 - 37.0	DN65	DN65	●
	L-2P 80	F \	6.35	43.1	2.2 - 37.0	DN80	DN80	●
	L-2P 100	G \	6.05	58.3	2.2 - 45.0	DN100	DN100	●
L-4P RANGE (1450RPM)	L-4P 32	A \	2.35	7.8	0.25 - 2.2	DN32	DN32	●
	L-4P 40	B \	2.55	8.1	0.37 - 2.2	DN40	DN40	●
	L-4P 50	C \	2.6	11.1	0.37 - 3.0	DN50	DN50	●
	L-4P 65	D \	2.5	25	0.55 - 7.5	DN65	DN65	●
	L-4P 80	E \	4.0	44.4	1.5 - 18.5	DN80	DN80	●
	L-4P 100	F \	3.9	72.2	3.0 - 30.0	DN100	DN100	●
	L-4P 150	G \	5.9	222.2	30 - 92	DN150	DN150	●

Same day dispatch. Lead time may apply.

ttpumps.com

+44 (0) 1630 647200

hidro AUTOSMART RANGE



The Hidro Domestic AutoSmart range of booster sets are comprised of a stainless steel booster pump connected to a 24 litre pressure vessel. The pumps start/stop operation is regulated by a Smart 10 electronic pressure switch.

They have been designed for cold water boosting, increasing water pressure where existing incoming pressure is not sufficient. The Hidro Domestic AutoSmart range is a simple plug and play, but robust solution, you can rely on.

FEATURES

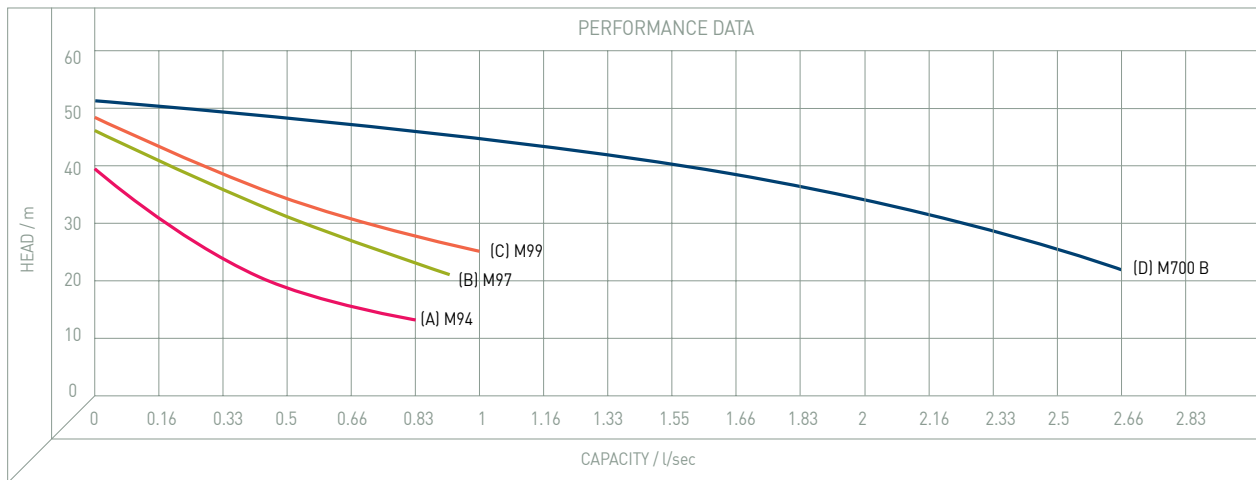
- Plug & play design
- Automatic start/stop
- Dry run protection
- Adjustable pressure setting
- Up to 5 bar & flow of 2.66 l/sec
- Booster pump constructed in stainless steel
- Tank holds 24 litres with EPDM membrane (WRAS)
- Non-return valve on discharge
- Max. Operating temperature 40°C

BENEFITS

- British design and manufacture
- Designed for long life
- Easy to maintain and repair
- Energy efficient
- Great performance
- High efficiency
- Superior materials used



SCAN TO SHOP ONLINE



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		INLET x OUTLET		WEIGHT kg (PUMP ONLY)	DELIVERY STATUS
			amp	kW	mm	inch		
AUTOSMART - TT JET X M94 with painted steel tank 230V/1Ph	TTP/AUTOSMART-M94	A \	3.6	0.37	25 x 25	1 x 1	8.5	
AUTOSMART - TT JET X M97 with painted steel tank 230V/1Ph	TTP/AUTOSMART-M97	B \	4.1	0.55	25 x 25	1 x 1	9	
AUTOSMART - TT JET X M97 with painted steel tank 230V/1Ph	TTP/AUTOSMART-M99	C \	5.2	0.75	25 x 25	1 x 1	11	
AUTOSMART - TT M700 B with painted steel tank 230V/1Ph	TTP/AUTOSMARTM700	D \	12.0	1.5	40 x 32	1½ x 1¼	27.5	

Please note: 400V/3Ph available on request.

Potable / Cleanwater Pumps

Booster Set



hydro BOOST CAT 5 Booster Set



The Hidro Boost Cat 5 Booster Set is a complete package pumping system designed and built in the UK, featuring an insulated tank and Type AB air gap to protect against back flow. The set includes a Smart Pressure Control as standard, providing low level/dry run protection for reliable operation (for a free standing tank with 100 litre nominal capacity).

With stainless steel pipes and fittings, a WRAS approved centrifugal pump and a variety of motor sizes available, the Hidro Boost Cat 5 provides a versatile off the shelf pumping solution.

FEATURES

- Cat 5 back flow-protection AB air gap
- 100-litre working capacity insulated tank - larger available on request
- SMART 10 Controller
- WRAS approved pump & components
- IP55 rated
- Low-level protection
- Dry run protection
- Stainless steel suction valve and strainer
- Stainless steel pipe and fittings



POTABLE / CLEANWATER - 6



SCAN TO SHOP ONLINE

MOTOR		ELECTRIC PUMP		Q = DELIVERY								DELIVERY STATUS
kW	MODEL	220 - 240V	380 - 415V	L/min 0	20.0	28.0	36.0	44.0	52.0	60.0	70.0	
		A	A	m³/h 0	1.2	1.7	2.2	2.6	3.1	3.6	4.2	
0.50	TTP/03-35FM	2.90	-	34.8	31.2	29.3	27.0	24.3	21.2	17.9	13.4	●
0.50	TTP/04-45FM	3.34	-	45.5	40.3	37.5	34.2	30.3	26.2	21.8	15.9	●
0.75	TTP/05-60FM	4.56	-	58.4	52.5	49.4	45.5	40.9	35.5	30.3	22.8	●
0.95	TTP/06-70FM	5.29	-	70.2	63.0	59.2	54.4	48.9	42.8	36.2	27.2	●
0.40	TTP/03-35FT	-	1.35	34.9	31.3	29.3	26.9	24.2	21.1	17.8	13.4	●
0.50	TTP/04-45FT	-	1.55	45.8	40.6	37.8	34.5	30.7	26.7	22.3	16.3	●
0.75	TTP/05-60FT	-	1.71	60.2	55.1	52.3	48.7	44.2	39.2	33.7	26.2	●
1.1	TTP/06-70FT	-	2.17	72.7	66.8	63.6	59.3	54.1	48.1	41.5	32.5	●

Same day dispatch. Lead time may apply.

ttpumps.com

+44 (0) 1630 647200



A comprehensive range of fixed and variable speed clean water booster sets, designed and manufactured to provide both the required flow and water pressure for your application.

The Hidro Boost is designed for transferring and pressurising in hot and cold water systems, maintaining and regulating constant water pressure throughout your application.

The set is controlled via either mechanical pressure switches for fixed speed applications, or the 'Vasco' variable speed control drive to maintain a constant pressure level during varying flow rate demand.

The Hidro boost range can be manufactured in compliance with common specifications.

DA (DUTY ASSIST) / DAS (DUTY ASSIST STANDBY)

- Power: from 0.37 - 110kW
- Manifold: 2" / 50mm - 8" / 200mm
- Delivery: up to 133.3 l/sec
- Pressure: up to 31 bar
- Water temperature: up to 120°C

DAA (DUTY ASSIST ASSIST) / DAAS (DUTY ASSIST ASSIST STANDBY)

- Power: from 0.37 - 110kW
- Manifold: 2" / 50mm - 8" / 200mm
- Delivery: up to 200 l/sec
- Pressure: up to 31 bar
- Water temperature: up to 120°C

OPTIONS

- Variable speed control with 'Vasco' or other VSD units
- Fixed speed
- 230V or 400V
- Jockey pump facilities

FEATURES

- Manufactured using the latest pump technology from the 'CNP' range of clean water pumps
- Assembled using stainless steel suction and delivery manifolds
- WRAS compliant components
- Fixed and variable speed options are available for efficient operation
- Header tanks are available on request
- Quality assured clean water booster sets

BENEFITS

- British design and manufacture
- Designed for long life
- Easy to maintain and repair
- Energy efficient
- Great performance
- High efficiency
- Superior materials used



HIDRO BOOST WITH PUMP MOUNTED VSD



HIDRO BOOST WITH MOUNTED CONTROL PANEL



BESPOKE HIDRO BOOST

2 YEAR
WARRANTY ON FULL SET*



SCAN TO SHOP ONLINE

Please note: *Based on full maintenance contract and T-T commissioning.

BESPOKE / LARGER SETS AVAILABLE, PLEASE SPEAK TO OUR SALES TEAM ON +44 (0) 1630 647200

Potable / Cleanwater Pumps

Washdown



POTABLE / CLEANWATER - 6

A range of powerful washdown sets suitable for general washing where reliability and durability are a must. A full kit, comprising of a pump mounted on a stainless steel base, complete with auto-start/stop, hose, fittings and fully adjustable nozzle.

FEATURES

- Heavy duty robust design
- Compact
- Heavy duty stainless steel base
- Automatic stop / start
- Dry run protected
- Heavy duty adjustable brass nozzle
- 25 metre high quality hose
- Custom built versions available on request

BENEFITS

- Designed and manufactured in the UK
- Designed for long life
- Easy to maintain and repair
- Easy to use
- Popular product



T-T WASHDOWN



T-T WASHDOWN HIGH PRESSURE



SCAN TO SHOP ONLINE



SCAN TO WATCH T-T WASHDOWN IN ACTION

PUMP TYPE	PRODUCT CODE	OUTPUT		FLOW l/min	HORSE POWER	MAX PRESSURE Bar	MAX PRESSURE MPa	MAX PRESSURE PSI	RPM	VOLTAGES	DELIVERY STATUS
		Amps	kW								
T-T WASHDOWN 1	TT/WASHDOWN1	9.1	1.1	40	1.5	3.9	0.39	57	2900	230V/1Ph/50Hz	●
T-T WASHDOWN 2	TT/WASHDOWN2	9.1	1.1	60	1.5	4.6	0.46	67	2900	230V/1Ph/50Hz	●
T-T WASHDOWN 3	TT/WASHDOWN3	14.6	2.2	90	3.0	6.4	0.64	93	2900	230V/1Ph/50Hz	●
T-T WASHDOWN 4	TT/WASHDOWN4HP	6.7	3.0	13	5.7	170	17.0	2466	1450	400V/3Ph/50Hz	●



BEFORE



AFTER



Potable / Cleanwater Pumps

POTABLE / CLEANWATER - 6

RC500 / RC900

A

The RC500 / RC900 multi-stage submersible pump is ideal for the transfer and pressurisation of clean water. The pump has a stainless steel construction and impeller with Noryl diffuser. Available with manual or automatic operation with adjustable float switch.

FEATURES

- Noryl diffuser
- Stainless steel construction & impeller
- Installation into wells up to 50m deep
- Liquid temperature up to 40°C
- Mechanical seal within oil bath - 0.25 - 0.9kW
- RC500 230V/1Ph - Manual Only
- RC900 230V/1Ph - Automatic
- RC900 400V/3Ph - Manual Only

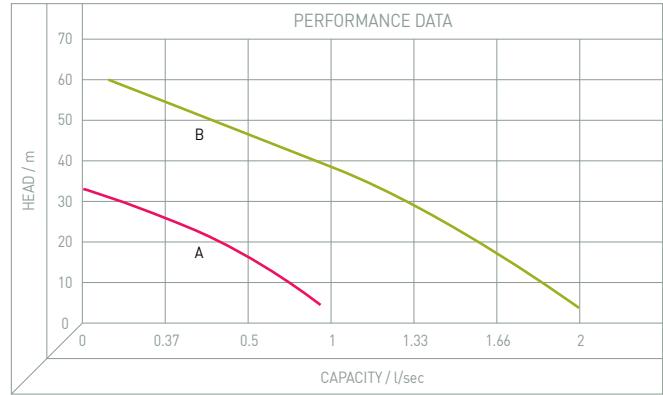
BENEFITS

- Great performance
- Lightweight
- Energy efficient
- Quality build
- Robust design



AUTO
RC900

MANUAL
RC500



PUMP TYPE	PRODUCT CODE	CURVE	OPERATION MODE	OUTPUT		DISCHARGE		WEIGHT kg	DELIVERY STATUS
				amp	kW	mm	inch		
RC500 230V/1Ph	PM/RC500/1	A \	Manual	2.6	0.25	25	1	12	
RC900 230V/1Ph	PM/RC900/1	B \	Automatic	6.3	0.9	32	1 1/4	13	
RC900 400V/3Ph	PM/RC900/3	B \	Manual	2.5	0.9	32	1 1/4	13	
RC FLOATING SUCTION KIT	PMS/FSKIT1.5M	-	-	-	-	32	1 1/4	2.9	



SCAN TO SHOP ONLINE

Please note: RC floating kit contains strainer, non-return valve, float, suction hose (1.5m) and fittings (only suitable for RC900).

T-T WELL

A

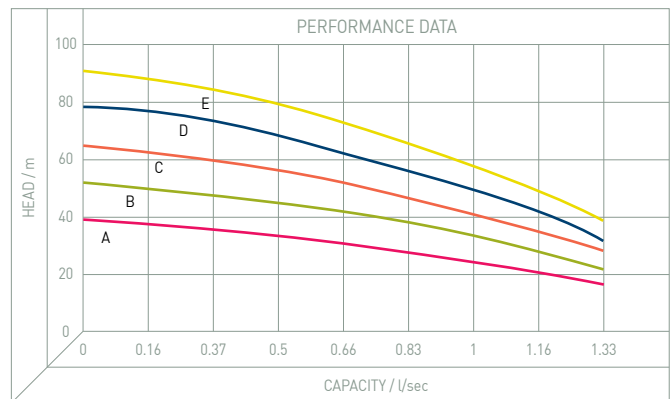
The T-T Well is a cost-effective well pump for the transfer of clear water. This range is ideal for domestic and agricultural use with a max. sand presence of 0.3%. The pump has a stainless steel body and motor casing, Noryl impeller and stainless steel shaft fitted with a twin silicon carbide mechanical seal.

FEATURES

- Installation into wells up to 50m deep
- Stainless steel construction & impeller
- Noryl diffuser
- Liquid temperature up to 40°C
- Mechanical seal within oil bath - 0.5 - 1.2kW

BENEFITS

- Lightweight
- Popular product
- Energy efficient
- Quality build
- Robust design
- Superior materials
- Great performance



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		DIAMETER mm	CABLE LENGTH m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch				
T-T WELL 100G 230V/1Ph	PW/WELL100G	A \	3.4	0.5	32	1 1/4	130	15	17	
T-T WELL 125G 230V/1Ph	PW/WELL125G	B \	4.4	0.6	32	1 1/4	130	15	19	
T-T WELL 150G 230V/1Ph	PW/WELL150G	C \	5.4	0.8	32	1 1/4	130	15	21	
T-T WELL 175G 230V/1Ph	PW/WELL175G	D \	6.5	1.0	32	1 1/4	130	15	24	
T-T WELL 200G 230V/1Ph	PW/WELL200G	E \	7.4	1.2	32	1 1/4	130	15	24	



SCAN TO SHOP ONLINE

Please note: Complete with float switch.

Potable / Cleanwater Pumps

Borehole Pumps



NS 95 / 96 – 4" RANGE



The NS range is suitable for lifting, pressurisation and distribution in civil and industrial applications, autoclave and cistern inlets, and washing plants and irrigation systems.

This pump draws from wells with a minimum diameter of 104mm, tanks or natural basins. The pump is available with radial or semi-axial impellers and is constructed of components that have a high wear resistance.



FEATURES

- Plastic impeller
- Heavy duty design
- Stainless steel construction
- High efficiency motor
- Low maintenance - easy to service
- Maximum liquid temp: 35°C
- Maximum working pressure: 34 bar
- Maximum liquid depth: 300m

BENEFITS

- Designed for reliability and long life
- Great performance
- High efficiency
- Quality engineered
- Superior materials used



SCAN
TO SHOP
ONLINE

TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
NS95-K	1 1/4	32	0.37 - 2.2	316	0.55	●
NS95-A	1 1/4	32	0.37 - 3	314	0.88	●
NS95-X	1 1/4	32	0.37 - 2.2	241	1.38	●
NS95-B	1 1/4	32	0.37 - 4	279	1.75	●
NS95-C	1 1/4	32	0.37 - 4	214	2.21	●
NS95-DA	2	50	0.75 - 5.5	228	3.05	●
NS95-E	2	50	1.1 - 7.5	177	5.55	●
NS95-F	2	50	1.1 - 7.5	115	6.95	●
NS96-A	1 1/4	32	0.37 - 3	355	0.83	●
NS96-X	1 1/4	32	0.37 - 3	271	1.38	●
NS96-B	1 1/4	32	0.37 - 4	294	1.67	●
NS96-C	2	50	0.55 - 4	268	2.23	●
NS96-DA	2	50	0.75 - 5.5	237	3.33	●
NS96-E	2	50	1.1 - 7.5	177	5.55	●
NS96-F	2	50	1.1 - 7.5	115	6.95	●

Same day dispatch. Lead time may apply.

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FS 98 – 4" RANGE

B

The FS range uses axial sliding floating impellers which avoid blockages even with the presence of sand. This range draws from wells with a minimum diameter of 104mm, tanks or natural basins.

FEATURES

- Plastic impeller
- Heavy duty design
- Stainless steel construction
- High efficiency motor
- Liquid temperature up to 35°C
- Maximum working pressure: 39 bar
- Maximum liquid depth: 300m

BENEFITS

- Designed for reliability and long life
- Great performance
- High efficiency
- Quality engineered
- Superior materials used



TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
FS98-A	1 1/4	32	0.37 - 3	372	0.78	●
FS98-B	1 1/4	32	0.37 - 4	385	0.97	●
FS98-C	1 1/4	32	0.55 - 5.5	390	1.67	●
FS98-D	2	50	0.55 - 5.5	342	2.22	●
FS98-E	2	50	0.75 - 7.5	296	3.33	●



SCAN TO SHOP ONLINE

S 151 / S 152 – 6" RANGE

The S151/2 range of borehole pumps are designed for long-term, reliable installation in harsh environments such as offshore and mining applications.

The S151/2 range boasts durable construction materials and can draw from wells with a minimum diameter of 158mm, tanks and natural basins.

FEATURES

- Maximum submersible depth: 300m
- Maximum solids handling: 2mm
- Heavy-duty, stainless steel construction
- High-efficiency motor
- Low maintenance - easy to service
- Semi-axial, cast iron impeller
- Vertical installation
- Available in 316 stainless steel and marine grade bronze



TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
S151-A	3	76	4 - 37	326	16.6	●
S151-B	3	76	4 - 37	281	20	●
S151-C	3	76	5.5 - 37	224	25	●
S151-K	3	76	3 - 18.5	456	5	●
S152-X	3	76	3 - 30	390	10.8	●



SCAN TO SHOP ONLINE

Potable / Cleanwater Pumps

Borehole Pumps



NR 151 / NR 152 – 6" RANGE

B

POTABLE / CLEANWATER - 6

The NR range are constructed out of materials that are particularly durable and have a high wear resistance. The pump is suitable for lifting, pressurising and distributing clean water in civil and industrial installations. This range draws from wells with a minimum diameter of 156mm, tanks or natural basins.



FEATURES

- Plastic impeller as standard, other materials available on request
- Heavy duty design
- Stainless steel construction
- High efficiency motor
- Liquid temperature up to 35°C
- Maximum working pressure 38 bar
- Maximum liquid depth: 300m

BENEFITS

- Designed for reliability and long life
- Great performance
- High efficiency
- Quality engineered
- Superior materials used



SCAN TO SHOP ONLINE

TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
NR151-A	2 ½	65	1.5 - 11	340	3.89	●
NR151-B	2 ½	65	1.5 - 15	355	5.56	●
NR151-C	2 ½	65	2.2 - 18.5	330	7.22	●
NR151-D	2 ½	65	2.2 - 22	290	9.44	●
NR151-E	3	76	4 - 37	383	13.33	●
NR151-F	2 ½	65	2.2 - 22	345	9.44	●
NR152-A	3	76	2.2 - 18.5	480	5	●
NR152-B	3	76	2.2 - 26	540	7.22	●
NR152-C	3	76	3 - 37	410	12.5	●
NR152-D	3	76	5.5 - 37	363	15.56	●
NR152-E	3	76	5.5 - 37	366	17.78	●



Same day dispatch.



Lead time may apply.



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S 181 – 8” RANGE

B

The S181 range borehole pump is suitable for lifting, pressurisation and distribution in civil and industrial applications, autoclave and cistern inlets, and washing plants and irrigation systems. This pump draws from wells with a minimum diameter of 210mm and is constructed with components that have a high wear resistance for reliability in harsh operating conditions.

FEATURES

- Maximum submersible depth: 300m
- Low maintenance - easy to service
- High-efficiency motor
- Stainless steel construction
- Cast iron impeller



TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
S181-A	5	127	5.5-67	351	27.7	●
S181-B	5	127	7.5-92	360	40.2	●
S181-C	5	127	7.5-92	324	44.4	●
S181-D	5	127	9.2-92	252	63.3	●



SCAN TO SHOP ONLINE

NR 201 – 8” RANGE

B

The NR201 range are 8” borehole pumps that provide high head rates and flow capacity as well as being able to work under extreme pressure - ideal for lifting and supplying water in industrial systems, irrigation and underground water extraction.

FEATURES

- Maximum submersible depth: 300m
- Maximum solids handling: 5mm
- Epoxy-coated, carbon steel shell
- High-efficiency motor
- Low maintenance - easy to service
- Brass radial impellers
- Vertical installation
- Available in 316 stainless steel



TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
NR201-X	3	76	4 - 67	850	10	●
NR201-A	3	76	5.5 - 67	686	12.5	●
NR201-B	3	76	9.2 - 92	546	25	●
NR201-C	3	76	11 - 92	435	33.3	●



SCAN TO SHOP ONLINE

Potable / Cleanwater Pumps

Borehole Pumps



NR 250 - 10" RANGE

B

POTABLE / CLEANWATER - 6

The NR250 10" electric borehole pump is designed for optimal water pressurising, distribution and underground extraction across civil and industrial applications. The NR250 can draw clear water from wells with a minimum diameter of 274mm, tanks and natural basins.



FEATURES

- Maximum submersible depth: 300m
- Maximum solids handling: 3mm
- Liquid operating temperature: 0°C - 30°C
- Maximum operating pressure: 95 bar
- Epoxy-coated, carbon steel shell
- High-efficiency motor
- Low maintenance - easy to service
- Brass radial impellers
- Vertical or horizontal installation

TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
NR250-A	5	127	30 - 185	955	27.7	●
NR250-B	5	127	37 - 185	593	44.4	●
NR250-C	5	127	37 - 185	451	58.3	●



SCAN TO SHOP ONLINE

S 252 / S 253 - 10" RANGE

B

The S252/3 range of 10" electric borehole pumps feature durably made anti-wear components for maximum operating reliability in tough conditions. The S252/3 can draw clear water from wells with a minimum diameter of 264mm, tanks and natural basins.



FEATURES

- Maximum submersible depth: 300m
- Maximum solids handling: 3mm
- Epoxy-coated, carbon steel shell
- High-efficiency motor
- Low maintenance - easy to service
- Cast iron diffuser protected by an anti-wear rubber ring
- Cast iron semi-axial impeller
- Vertical or horizontal installation
- Available in 316 stainless steel and marine grade bronze

TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
S252-A	6	150	30 - 170	288	77.7	●
S252-B	6	150	26 - 170	240	111.1	●
S253-A	6	150	22 - 170	388	61.1	●
XS252-B	6	150	22 - 170	236	105.5	●



SCAN TO SHOP ONLINE

Same day dispatch. ● Lead time may apply.

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S302 – 12” RANGE

B

S302 12” electric borehole pumps are designed to draw from wells with a minimum diameter of 310mm, tanks and natural basins. The high head rates and durable construction materials used make these submersible pumps ideal for the boosting and distribution of clearwater, salt water and groundwater.

FEATURES

- Maximum submersible depth: 300m
- Maximum solids handling: 3mm
- High-efficiency motor
- Low maintenance - easy to service
- Cast iron semi-axial impeller
- Vertical installation
- Available in 316 stainless steel or marine-grade bronze



TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
S302-A	8	203	37 - 300	384	145.8	●
S302-B	8	203	37 - 300	312	159.7	●
XS302-A	8	203	37 - 300	384	125	●
XS302-B	8	203	37 - 300	312	138.8	●



SCAN TO SHOP ONLINE

S350 – 14” RANGE

B

S350 is a submersible electric pump featuring semi-axial impellers. The S350 range of boreholes is available for both horizontal and vertical installation, with a range of construction material options for both the pump body and individual components - making this high pressure, high flow electric pump suitable for a range of applications.

FEATURES

- Semi-axial impellers
- Motors available between 45kW - 300 kW
- Capable of delivering head rates between 46.5 - 196m
- Cast-iron, bronze and Duplex steel construction materials offering corrosion resistance for different applications



TYPE	DISCHARGE		MOTOR RANGE kW	MAXIMUM		DELIVERY STATUS
	inch	mm		HEAD m	CAPACITY l/sec	
S350-A	10	254	45 - 185	210	125	●
S350-A1	10	254	110 - 150	98	201	●
S350-A2	10	254	220 - 300	196	201	●



SCAN TO SHOP ONLINE

WELLMAN HOSE



T-T are the sole UK distributor for Mandals' world class range of layflat hoses. Mandals' Wellman series of hoses are designed as a flexible and permanent replacement for rigid steel, PVC and fibreglass piping for well extraction. Wellman hoses offer premium hydraulic efficiency when paired with a submersible pump and for rapid pump installation and retrieval.

FEATURES

- Compact for easy storage and transportation
- The high-grade polyurethane construction material is resistant to fuels, chemicals, abrasion and microbial attacks
- Lightweight and high strength
- High pressure and flow rate water delivery
- Hoses expand to between 15% - 20% of their original size when operating to reduce friction loss and maximise hydraulic performance
- Wellman 300 WRAS approved

APPLICATIONS

Wellman 120

- Domestic systems
- Light industrial applications
- Groundwater/well extraction
- Irrigation and greenkeeping

Wellman 300

- Groundwater/well extraction
- Potable water handling
- Food processing
- Agriculture and irrigation
- Mine de-watering
- Solar power systems
- Emergency response services



WELLMAN 120

WELLMAN 300



SCAN TO SHOP ONLINE

TYPE	PRODUCT CODE	MAXIMUM CAPACITY l/sec	DIAMETER mm	LENGTH METRES MAX	MAX OPERATION PRESSURE	WEIGHT kg	DELIVERY STATUS
32 MM WELLMAN 120, DIV. LGD.	HU/WML032SM997	2.9	32	120	25 bar	0.31	
32 MM WELLMAN 120, DIV. LGD.	HU/WML051SM997	9.2	51	120	24 bar	0.5	
51 MM WELLMAN 300, 200 M	HU/WMS051BM200	8	51	300	31 bar	0.7	
51 MM WELLMAN 300, DUAL STRAP, 200 MTR	HU/WMS051BM200DS	8	51	300	31 bar	0.7	
51 MM WELLMAN 300, DUAL STRAP, DIV. LGD	HU/WMS051BM997DS	8	51	300	31 bar	0.7	
76 MM WELLMAN300, 200 M	HU/WMS076BM200	1	76	300	31 bar	1	
102 MM WELLMAN 300, 200 M	HU/WMS102BM200	41	102	300	31 bar	41	
102 MM WELLMAN300, DUAL STRAP, 200 M	HU/WMS102BM200DS	41	102	300	31 bar	41	
127 MM WELLMAN300, 200 M	HU/WMS127BM200	78	127	280	29 bar	78	
152 MM WELLMANN 300, 200 M	HU/WMS152BM200	105	152	280	29 bar	105	
152 MM WELLMAN 300, DUAL STRAP, 200 MTR	HU/WMS152BM200DS	105	152	280	29 bar	105	

4HS RANGE

B

A range of 4" electric multi-stage submersible borehole pumps specifically designed to operate at high electrical frequencies, resulting in expansive duty coverage from each model.

Supplied as a package consisting of a pump, surface control module and pressure transducer, the unit requires minimal parameter set up on site before 'self tuning' to optimise its performance and duty point.

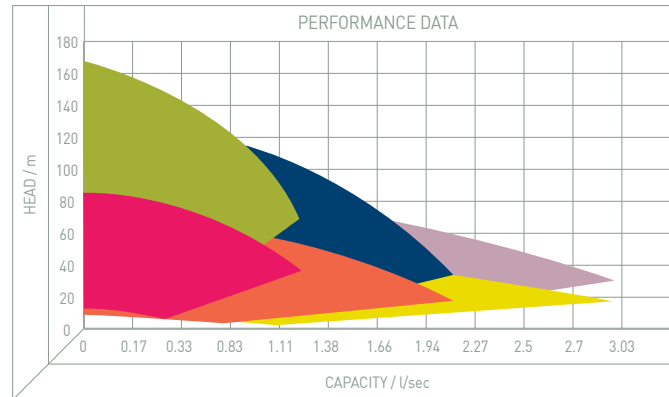
Using frequency control enables the system to maintain pressure with respect to demand, therefore reducing energy costs and extending pump life.

FEATURES

- Stainless steel construction
- Resin encapsulated stator
- Built-in integrated inverter module
- Variable speed performance - covering expansive duty requirements
- Easy to commission

BENEFITS

- Designed for reliability and long life
- Great performance
- High efficiency
- Quality engineered



4HS PUMP



SUPPLIED AS A COMPLETE SET
READY FOR INSTALLATION



VASCO



SCAN
TO SHOP
ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT	WEIGHT kg	DELIVERY STATUS
			kW		
1.8KW 4HS MULTISTAGE PUMP 60MH	PNA/4HS-03/05	A \	1.8	21.2	●
3.2KW 4HS MULTISTAGE PUMP 120MH	PNA/4HS-03/10	B \	3.2	23.2	●
1.8KW 4HS MULTISTAGE PUMP 47MH	PNA/4HS-05/04	C \	1.8	21	●
3.2KW 4HS MULTISTAGE PUMP 94MH	PNA/4HS-05/08	D \	3.2	23	●
1.8KW 4HS MULTISTAGE PUMP 35MH	PNA/4HS-08/03	E \	1.8	21	●
3.2KW 4HS MULTISTAGE PUMP 58MH	PNA/4HS-08/05	F \	3.2	22	●

VASCO VARIABLE SPEED DRIVE



Vasco is a purpose built range of variable speed drives, designed to control and protect pumping systems based on changing the motor frequency and pump speed. Vasco units are extremely compact, can be connected to any pump on the market and will control the operation of the pump to maintain a constant desired pump performance (e.g. pressure, flow, temperature etc.)

The easy to configure settings allow the Vasco to determine the most effective duty point for the pumps and system. Body construction is entirely aluminium, making the units solid, lightweight and easily cooled. Protected to IP55, the Vasco units can be installed in virtually any location including humid and dusty environments.



FEATURES

- IP55 construction
- Start / stop function
- Reduce the spikes on the motor coils caused by voltage reflection (dv/dt filters)
- Avoid electromagnetic noise in the surrounding environment (sinusoidal filters)
- Easy to navigate menus
- Remote bluetooth interrogation for fault diagnosis
- Overload motor protection
- Motor dry-run protection
- Displays motors hours run and running current
- Operates multiple DOL motors through one Vasco
- Communication between inverters allows them to operate together in 'cascade' mode

BENEFITS

- Energy efficient
- Simple to install
- Increased pump life
- Good reliability
- Improved pump and system efficiency
- Motor mounting and wall mounting kits available
- Popular product
- Minimises running costs



SCAN TO SHOP ONLINE

TYPE	VOLTAGE INPUT	VOLTAGE OUTPUT	RATING amps	TYPICAL POWER P2 (kW)	CODE	DELIVERY STATUS
VASCO 209 1Ph	1 x 230	1 x 230	9	1.1	PNA/V209	
		3 x 230	7	1.5		
VASCO 214 1Ph	1 x 230	1 x 230	9	1.1	PNA/V214	
		3 x 230	11	3.0		
VASCO 218 1PH	1 X 230	3 x 400	18	4	PNA/V218	
VASCO 406 3PH	3 x 400	3 x 400	6	2.2	PNA/V406	
VASCO 409 3PH	3 x 400	3 x 400	9	4	PNA/V409	
VASCO 414 3PH	3 x 400	3 x 400	14	5.5	PNA/V414	
VASCO 418 3PH	3 x 400	3 x 400	18	7.5	PNA/V418	
VASCO 425 3PH	3 x 400	3 x 400	25	11	PNA/V425	
VASCO 430 3PH	3 x 400	3 x 400	30	15	PNA/V430	
VASCO 438 3PH	3 x 400	3 x 400	38	18.5	PNA/V438	
VASCO 448 3PH	3 x 400	3 x 400	48	22	PNA/V448	
VASCO 465 3PH	3 x 400	3 x 400	65	30	PNA/V465	
MOTOR MOUNT KIT 209/214/406/409	N/A	N/A	N/A	N/A	PNA/MOTORKIT1	
MOTOR MOUNT KIT 414/418/425/430	N/A	N/A	N/A	N/A	PNA/MOTORKIT2	
MOTOR MOUNT KIT 438/448/465	N/A	N/A	N/A	N/A	PNA/MOTORKIT3	
WALL MOUNT KIT 209/214	N/A	N/A	N/A	N/A	PNA/WALLKIT1	
WALL MOUNT KIT 406/409	N/A	N/A	N/A	N/A	PNA/WALLKIT2	
WALL MOUNT KIT 414/418/425	N/A	N/A	N/A	N/A	PNA/WALLKIT3	
0-16BAR PRESS.SENSOR 4-20MA	N/A	N/A	N/A	N/A	PNA/PRESS.SENSOR	

ACCESSORIES

B

PRESSURE SWITCH

TYPE	CODE	BAR	PH	DELIVERY STATUS
PRITCPM5	PIS/PM5	1-5	1	
PRITCPM12	PIS/PM12	3-12	1	
PRITCPM5/3PH	PIS/PMT5	1-5	3	
PRITCPM12/3PH	PIS/PMT12	3-12	3	



FLEXIBLE HOSES

CODE	LENGTH mm	CONNECTION inch	DELIVERY STATUS
PIS/FMFG0150	500	1	
PIS/FMFG0160	600	1	
PIS/FMFG0180	800	1	
PIS/FMFG01N1	1000	1	



PRESSURE GAUGE

TYPE	CODE	PRESSURE	Ø DIAMETER mm	DELIVERY STATUS
R6 GAUGE	PIS/MANAR5206	0-6	50	
R12 GAUGE	PIS/MANAR5212	0-12	50	
B6 GAUGE	PIS/MANAP5206	0-6	50	
B12 GAUGE	PIS/MANAP5212	0-12	50	



B6/B12

R6/R12

WATER CONNECTION (MULTI-WAY FITTING)

TYPE	CODE	LENGTH mm	CONNECTION inch	DELIVERY STATUS
3 WAY	PIS/RAC3V172	72	1	
5 WAY	PIS/RAC5V182	82	1	



PRESSURE TRANSDUCER

TYPE	CODE	BAR	CONNECTION inch	DELIVERY STATUS
4-20mA	PNA/PRESS.SENSOR	0-16	1/4 MBSP	



SMART 10 / SMART 16 / SMART 25

A

POTABLE / CLEANWATER - 6

The easy to set up and reliable device, T-T Smart 10 is a pressure controller for domestic and industrial use. Designed with usability in mind, this device can be used for pump control, pressure regulation and booster systems.

FEATURES

- Smart 10 inlet - bronze
- Smart 16 / 25 inlet - stainless steel
- Dry running protection
- Compact, lightweight design

BENEFITS

- Easy to use
- Energy efficient
- Lightweight



TYPE	CODE	MAX PRESSURE bar	WEIGHT kg	DELIVERY STATUS
SMART 10 PRESSURE CONTROLLER	TTP/SMART10	10	0.35	
SMART 16 PRESSURE CONTROLLER	TTP/SMART16	16	0.4	
SMART 25 PRESSURE CONTROLLER	TTP/SMART25	25	0.35	



SCAN TO SHOP ONLINE

PTRONIC ELECTRIC PRESSURE SWITCH

A

The Ptronic electric pump pressure switch gives you full insight and control of your pump's operating pressure in real-time, with a digital display to make managing your system's fluid pressure simple.

Protect your pump from the damaging effects of dry running, water hammer and overheating with the Ptronic pump pressure switch.

FEATURES

- Dry running protection (with pre-set automatic restarts available)
- Pump motor protection in the case of a current overload
- Integrated check valve to prevent reverse flow and water hammer from damaging the pump system
- Real-time pressure display for easy monitoring and adjustments
- Digital display for simple setup of pump start and stop pressure values



TYPE	INLET X OUTLET mm	RATED MOTOR POWER kw	MAX WATER TEMPERATURE	MAX AMP	PUMP START PRESSURE bar	WEIGHT kg	DELIVERY STATUS
PJS/83110380	25 x 25	0.37 - 2.2	50°C	16	0.5 - 7	0.3	



SCAN TO SHOP ONLINE

PRESSURE VESSELS

Pressure Vessels are designed to maintain a predefined liquid pressure, which is usually greater than normal air pressure. They are mainly used in water booster systems, hot water circuits up to 100°C and for many other applications.

Available with counter flanges lined with polypropylene, this new device avoids contact between water and the counter flange, granting complete protection from corrosion and acting as a Water Flow Deflector. A simple and innovative solution that reduces installation maintenance and grants durability and reliability.

FEATURES

- Interchangeable bladder
- 10 - 16 bar maximum working pressure
- 1.5 & 2 bar standard pre-loading pressure
- Working temperature: 10°C - 100°C
- Blue external finish colour
- EPDM rubber membrane
- Horizontal and vertical options available
- WRAS approved product

BENEFITS

- Built for reliability
- Designed for long life
- Easy to maintain and repair
- Long term spares available
- Popular product



PRESSURE VESSEL

COUNTER FLANGES

	VESSEL TYPE	PRODUCT CODE	HEIGHT mm	DIAMETER mm	LENGTH mm	CONNECTION inch	DELIVERY STATUS
VERTICAL	10BAR	AV2/10BAR	189	160	-	3/4	
		AV5/10BAR	304	160	-	3/4	
		AV8/10BAR	316	200	-	3/4	
		AV12/10BAR	295	280	-	3/4	
		AV18/10BAR	428	280	-	3/4	
		AV24/10BAR	489	280	-	1	
		AV35/10BAR	450	365	-	1	
		AV50/10BAR	656	365	-	1	
		AV60/10BAR	761	365	-	1	
		AV80/10BAR	790	410	-	1	
		AV100/10BAR	774	495	-	1	
		AV150/10BAR	927	550	-	1	
		AV200/10BAR	1020	600	-	1 1/4	
VERTICAL	16BAR	AV8/16BAR	316	200	-	3/4	
		AV12/16BAR	295	280	-	3/4	
		AV18/16BAR	428	280	-	3/4	
		AV24/16BAR	489	280	-	1	
		AV35/16BAR	450	365	-	1	
		AV50/16BAR	656	365	-	1	
		AV60/16BAR	761	365	-	1	
		AV80/16BAR	790	410	-	1	
		AV100/16BAR	774	495	-	1	
		AV150/16BAR	927	550	-	1	
		AV200/16BAR	1020	600	-	1 1/4	
		AV300/16BAR	1243	650	-	1 1/4	
		AV500/16BAR	1493	750	-	1 1/4	
HORIZONTAL	10BAR	A018/10BAR	305	280	465	1	
		A024/10BAR	300	280	492	1	
		A035/10BAR	376	365	450	1	
		A050/10BAR	380	365	570	1	
		A060/10BAR	385	365	675	1	
		A080/10BAR	430	410	677	1	
		A0100/10BAR	520	495	685	1	
		A0150/10BAR	628	600	915	1 1/4	
		A0200/10BAR	628	600	915	1 1/4	
		A0300/10BAR	680	650	1082	1 1/4	



SCAN TO SHOP ONLINE

Please note: Also available in stainless steel

ACCESSORIES

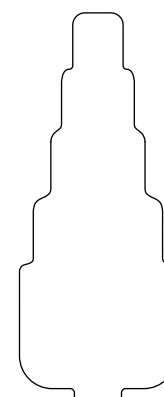
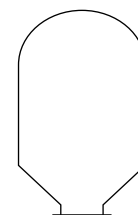


B

POTABLE / CLEANWATER - 6

INTERCHANGEABLE BLADDERS

	TYPE	PRODUCT CODE	MATERIAL	Ø DIAMETER mm	DELIVERY STATUS
BLUE VESSELS	AV2, AV5	PIS/ME012A	EPDM	45	●
	AV8, AV12	PIS/ME024A	EPDM	80	●
	AV18, AO18	PIS/ME050A	EPDM	80	●
	AV24, AO24	PIS/ME080A	EPDM	80	●
	AV35, AV50, AO35, AO50	PIS/ME100A	EPDM	80	●
	AV60, AV80, AO60, AO80	PIS/ME150A	EPDM	80	●
	AV100, AO100	PIS/ME200A	EPDM	200	●
	AV150, AO150	PIS/ME300A	EPDM	200	●
	AV200, AO200	PIS/ME500A	EPDM	200	●
	AV300, AO300	PIS/MEN10A	EPDM	200	●
	AV500, AO500	PIS/MEN20A	EPDM	220	●
	AV750, AV1000	PIS/MEN30A	EPDM	250	●
	AV1500, AO2000	PIS/MEN40A	EPDM	250	●
	AV3000, AO4000	PIS/MEN50A	EPDM	250	●
RED VESSELS	R2, R5	PIS/ME012R	EPDM	45	●
	R8, R12	PIS/ME024R	EPDM	80	●
	R18	PIS/ME050R	EPDM	80	●
	R24	PIS/ME080R	EPDM	80	●
	R35, R50, RV35, RV50	PIS/ME150R	EPDM	80	●
	RV60, RV80	PIS/ME300R	EPDM	80	●
	RV100, RV120, RV150	PIS/ME500R	EPDM	200	●
	RV200, RV250, RV300	PIS/ME600R	EPDM	200	●
	RV500	PIS/MEN10R	EPDM	200	●
	RV750, RV1000	PIS/MEN20R	EPDM	220	●
	RV1500, RV2000	PIS/MEN30R	EPDM	250	●
	RV3000, RV4000	PIS/MEN40R	EPDM	250	●



COUNTER FLANGES

PRODUCT CODE	MODEL DIAMETER mm	CONNECTION inch	FINISHED	DELIVERY STATUS
PIS/CFE095TRF008Z	95	3/4	GALVANISED	●
PIS/CFE095TRF007Z	95	1	STAINLESS STEEL	●
PIS/CFX095TRX004B	95	1	STAINLESS STEEL	●
PIS/CFE145TRF008Z	145	3/4	STAINLESS STEEL	●
PIS/CFX145TRX008B	145	3/4	GALVANISED	●
PIS/CFE145TRF007Z	145	1	GALVANISED	●
PIS/CFX145TRX004B	145	1	STAINLESS STEEL	●
PIS/CFE260TRF001Z	260	1 1/4	GALVANISED	●
PIS/CFX260TRX001B	260	1 1/4	STAINLESS STEEL	●



SECTION 07 INDUSTRIAL / LUBRICANT / FUEL PUMPS



EP BRONZE

A

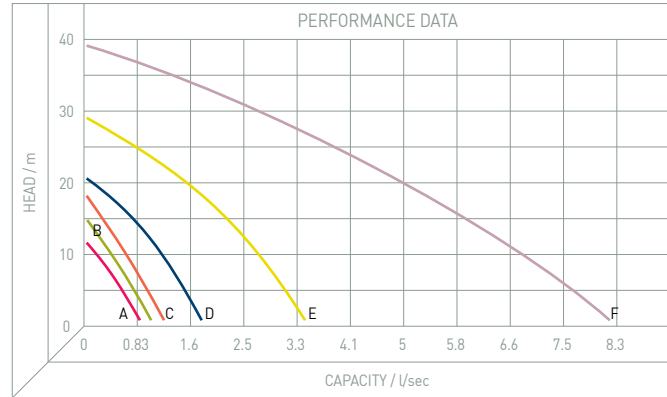
The EP range of self-priming transfer pumps feature a bronze constructed pump body and liquid ring impeller for transferring liquids with bronze compatibility. This pump also features a bi-directional motor.

FEATURES

- Bronze construction
- Suitable for use with sea water when 316 stainless steel added
- 12 & 24 volt available for vehicle use
- Self-priming
- Reversible operation
- Excellent priming action

BENEFITS

- Built for reliability
- Designed for long life
- Fully repairable
- Great site partner
- Lightweight
- Popular product
- Robust design
- Superior materials used



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch BSP	HEAD m	CAPACITY l/sec		
EP25 12 VOLT	PL/EP25/12	A \	38	0.45	25 x 25	1 x 1	12	0.88	9.2	
EP25 24 VOLT	PL/EP25/24	A \	22	0.45	25 x 25	1 x 1	12	0.88	9.3	
EP25 230V/1Ph	PL/EP25/1	B \	4.2	0.45	25 x 25	1 x 1	18	1	9.8	
EP25 110V/1Ph	PL/EP25/2	B \	9.8	0.45	25 x 25	1 x 1	18	1	9.8	
EP25 400V/3Ph	PL/EP25/3	B \	2	0.56	25 x 25	1 x 1	18	1	9.8	
EP30 230V/1Ph	PL/EP30/1	C \	5.1	0.75	32 x 32	1 1/4 x 1 1/4	18	1.2	13.5	
EP30 110V/1Ph	PL/EP30/2	C \	11	0.75	32 x 32	1 1/4 x 1 1/4	18	1.2	13.5	
EP30 400V/3Ph	PL/EP30/3	C \	2.1	0.75	32 x 32	1 1/4 x 1 1/4	18	1.2	13.2	
EP40 230V/1Ph	PL/EP40/1	D \	5.3	0.75	40 x 40	1 1/2 x 1 1/2	22	2	16.2	
EP40 110V/1Ph	PL/EP40/2	D \	11.1	0.75	40 x 40	1 1/2 x 1 1/2	22	2	16.2	
EP40 400V/3Ph	PL/EP40/3	D \	1.75	0.75	40 x 40	1 1/2 x 1 1/2	22	2	15.7	
EP50 400V/3Ph	PL/EP50/3	E \	4.36	1.86	50 x 50	2 x 2	30	3.8	26.5	
EP70 400V/3Ph	PL/EP70/3	F \	11.8	5.5	70 x 70	2 3/4 x 2 3/4	40	8.3	75	
TROLLEY FOR EP25 TO EP40	PLS/36202002								5	
HEAVY-DUTY CARRY FRAME	PLS/FRAME25								5	

EP STAINLESS STEEL

A

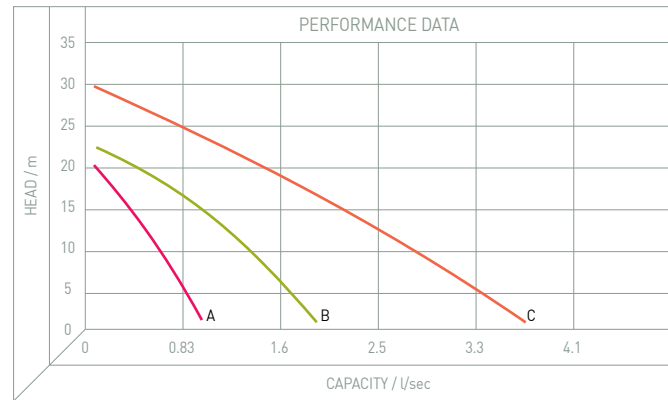
The EP is a single stage centrifugal pump for handling clear water without abrasive particles or chemically aggressive substances. With a stainless steel pump body, stainless steel impeller shaft fitted with ceramic-graphite-NBR mechanical seal. This range possesses a hydrodynamic closed impeller design, allowing it to achieve its pressure and flow with minimal loss of efficiency.

FEATURES

- Stainless steel construction
- Self-priming
- Reversible operation
- Excellent priming action

BENEFITS

- Built for reliability
- Designed for long life
- Fully repairable
- Great site partner
- Lightweight
- Popular product
- Robust design
- Superior materials used



INDUSTRIAL PUMPS - 7



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec		
EP JUNIOR 110V/1Ph	PL/JUNIOR/2	A \	9.8	0.45	32 x 32	1 1/4 x 1 1/4	22	0.88	9.5	●
EP JUNIOR 230V/1Ph	PL/JUNIOR/1	A \	4	0.45	32 x 32	1 1/4 x 1 1/4	22	0.88	9.5	●
EP JUNIOR 400V/3Ph	PL/JUNIOR/3	A \	2	0.56	32 x 32	1 1/4 x 1 1/4	22	0.88	9.6	●
EP SENIOR 110V/1Ph	PL/SENIOR/2	B \	11	0.75	40 x 40	1 1/2 x 1 1/2	22	2	17.5	●
EP SENIOR 230V/1Ph	PL/SENIOR/1	B \	5.3	0.75	40 x 40	1 1/2 x 1 1/2	22	2	17.5	🚚
EP SENIOR 400V/3Ph	PL/SENIOR/3	B \	1.75	0.75	40 x 40	1 1/2 x 1 1/2	22	2	17.6	🚚
EP MASTER 110V/1Ph	PL/MASTER/2	C \	18	1.86	50 x 50	2 x 2	30	3.8	27.5	●
EP MASTER 230V/1Ph	PL/MASTER/1	C \	9.3	1.86	50 x 50	2 x 2	30	3.8	27.5	🚚
EP MASTER 400V/3Ph	PL/MASTER/3	C \	4.36	1.86	50 x 50	2 x 2	30	8.3	26.5	🚚
TROLLEY FOR JUNIOR/MASTER/SENIOR	PLS/36202002								5	🚚

Oilways IRON50 DIESEL TRANSFER PUMP

A

Diesel transfer pumps that incorporate a self-adjusting rotary vane design. The cast iron pump body is fitted with a bypass valve and stainless steel filter in the suction.

FEATURES

- Cast iron construction
- Self-priming
- Reversible operation
- Excellent priming action
- 12 & 24 volt available for vehicle use
- Cleanable steel filter

BENEFITS

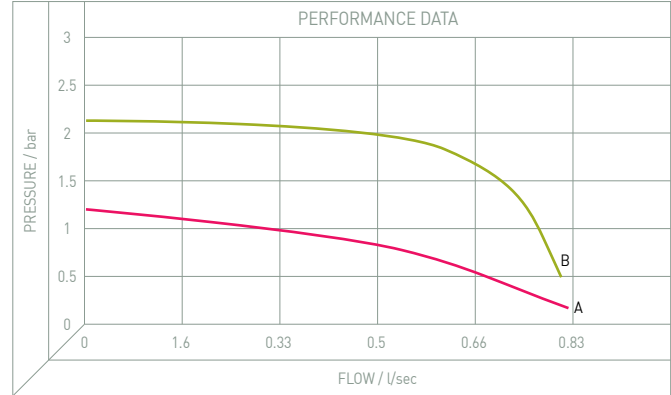
- Robust design
- Superior materials used
- Built for reliability
- Designed for long life



IRON50 230V



IRON50 12V & 24V



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	SUCTION LIFT m	OUTPUT		DISCHARGE		MAXIMUM		CABLE m	WEIGHT kg	DELIVERY STATUS
				amp	kW	mm	inch	HEAD m	CAPACITY l/sec			
IRON50 12VDC	PG/AG-35-12VDC	A \	2.7	18 - 24	0.3	25	1	12	0.83	2	4.5	●
IRON50 24VDC	PG/AG-35-24VDC	A \	2.7	9 - 17	0.3	25	1	12	0.83	2	4.5	●
IRON50 12VDC KIT	PG/DBK-12VDC	A \	2.7	18 - 24	0.3	25	1	12	0.83	2	8	●
IRON50 230V	PG/AG-46-220VAC	B \	2.7	1.2 - 2	0.25	25	1	30	0.83	3	8.5	●

Please note: See our EP range for larger flow. (Page 128)



Oilways AG90 DIESEL TRANSFER PUMP

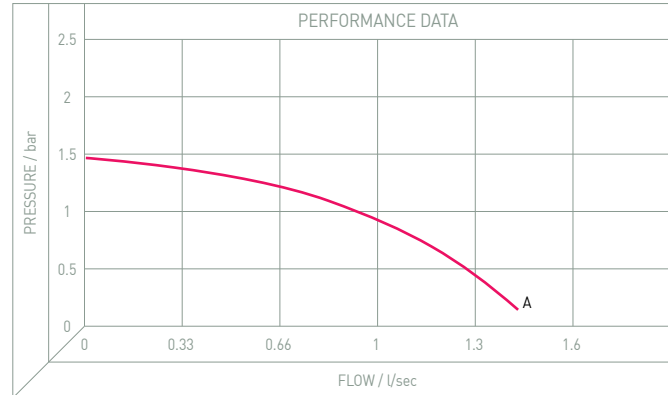
A

The AG90 range of diesel transfer pumps incorporate a self-adjusting rotary vane, and its cast-iron pump body is fitted with a bypass valve.

WITH SWITCH KEY - Available with a built-in switch with key to start and stop the pump without touching the battery clamps. This key can be removed for safety and security reasons.

FEATURES

- Self-priming
- Eccentric with self-adjusting blades
- Motor 0.37kW (12 & 24VDC) self-ventilated, RPM 1.500
- Connection through F1" (BSP) threads or flanges
- Stainless steel filter in the suction of 352 micron
- Thermal protection
- Continuous duty
- 3m cable with clamps



BENEFITS

- Robust design
- Superior materials used
- Built for reliability and long life

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		DISCHARGE		MAXIMUM		SUCTION LIFT m	DELIVERY m	CABLE m	WEIGHT kg	DELIVERY STATUS
			amp	kW	mm	inch	HEAD m	CAPACITY l/sec					
AG90 12VDC	PG/AG-90-12VDC	A \	35 - 53A	0.37	25	1	1.5	1.3	2.7	20	3	15.5	●
AG90 24VDC	PG/AG-90-24VDC	A \	24 - 32A	0.37	25	1	1.5	1.3	2.7	20	3	15.5	●
AG90 12VDC WITH SWITCH	PG/AG-90-12VDCSW	A \	35 - 53A	0.37	25	1	1.5	1.3	2.7	20	3	15.5	●
AG90 24VDC WITH SWITCH	PG/AG-90-24VDCSW	A \	24 - 32A	0.37	25	1	1.5	1.3	2.7	20	3	15.5	●



SCAN TO SHOP ONLINE

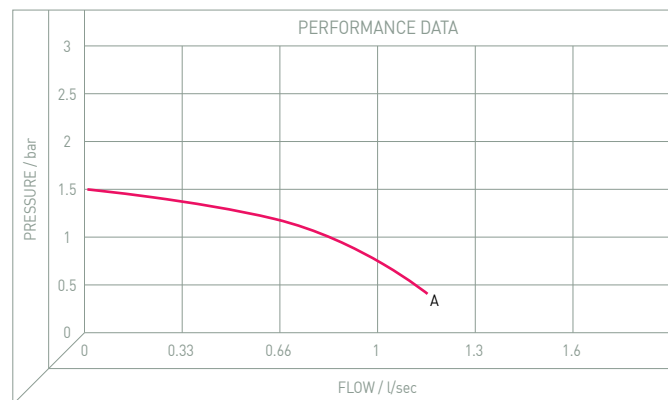
Oilways IRON75 DIESEL TRANSFER PUMP

A

The IRON75 & IRON100 range of diesel transfer pumps incorporate a self-adjusting rotary vane, and its cast iron pump body is fitted with a bypass valve.

FEATURES

- Self-priming
- Eccentric with self-adjusting blades
- Bypass pressure 1.4-1, 6 bar / 2.5-3bar
- Recirculation bypass
- Thermal protection
- Continuous duty
- IP55 protection
- Inlet / outlet 1" (BSP)
- 3m electric cable
- On / off luminous switch
- Anti rust treatment



BENEFITS

- Robust design
- Superior materials used
- Built for reliability and long life

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		SUCTION LIFT m	DELIVERY m	WEIGHT kg	FLOW l/sec	DELIVERY STATUS
			amp	kW					
IRON75 230V	PG/AG-88	A \	1.9 - 4.5	0.5	2.7	30	8.5	1.75	●



SCAN TO SHOP ONLINE

Oilways HAND PUMPS

A

	BP-5 LEVER PUMP	TMG-040 BELLOW PUMP	TMG-080 BELLOW PUMP	TMG-150 BELLOW PUMP	BT-87 SELF SUCTION DRILL PUMP	BMP-1 PISTON PUMP	RHP-25 CI CAST IRON ROTARY OIL PUMP	RHP-25 AL ALUMINIUM ROTARY PUMP
APPLICATION	Transferring diesel, all types of lubricants and other non-corrosive fluids from barrels of 50 to 200 litres.	Suitable for the transfer of chemicals, aggressive liquids, solvents, petrol, diesel, water and wine.	Suitable for the transfer of chemicals, aggressive liquids, solvents, petrol, diesel, water and wine.	Suitable for the transfer of chemicals, aggressive liquids, solvents, petrol, diesel, water and wine.	A useful accessory to empty baths, aquariums, toilet bowls, washing machines, flooded basements and for caravanning. Suitable for diesel, water, herbicides and antifreeze. It is adapted to any type of hand-held or professional drill (2000/2500rpm) and it can be connected to hose Ø24mm.	A double action pump suitable for diesel, oil, fuel, alcohol, printing solvents and petrol. It is supplied with a hole to hang the nozzle, the hose and the accessories to prevent dirt and dust entry into the nozzle.	A self-suction rotary pump for a continuous transfer of lubricants and fuels. It is adaptable to barrels from 50 to 200 litres and has a built in M2" adapter with height adjustment for fixing to the barrel.	A self-suction rotary pump for a continuous transfer of lubricants and fuels. It is adaptable to barrels from 50 to 200 litres and has a built in M2" adapter with height adjustment for fixing to the barrel.
TECHNICAL INFORMATION	<ul style="list-style-type: none"> - Aluminium pump body and discharge tube - Metallic suction telescopic tube of 87cm made of aluminium - Connection 1", 1 1/2 or 2" adaptable to metallic barrels of 50, 100 and 200 litres - Nitrile or viton joints - Transfer capacity 0.3 litres x piston-stroke (litres per lever stroke) 	<ul style="list-style-type: none"> - Plastic construction - Tube pump of 0.4m for 50 litre barrel - Flow 6 l/min (Dependent on the piston-stroke) - Suitable for the refuelling of kerosene stoves 	<ul style="list-style-type: none"> - Plastic construction - Tube pump of 0.8m for 200 litre barrel - Flow 20 l/min (Dependent on the piston-stroke) 	<ul style="list-style-type: none"> - Plastic construction - 1.5m flexible pump - Flow 6 l/min (Dependent on the piston-stroke) 	<ul style="list-style-type: none"> - Flow according to the drill revolutions (maximum 60 l/min) - Self-suction up to 1.5m - Delivery up to 25m - High resistance dry operation - Eccentric, self-suction pump with self-adjusting blades - Inner part brass - Shaft and pin AISI 304 stainless steel - Pump body, blades and rotor injected in plastic 	<ul style="list-style-type: none"> - Capacity 0.8 litre per stroke - Inlet 1" / Outlet: 3/4" - Hose 2.5m 3/4" - Petrol resistance - Drum plug: adjustable at 2" - Suction tube Ø33.5mm x 1m - Aluminium body - Stainless steel inlet - Hardened steel handle - Self-lubricating sealing - Supplied with nozzle hanger 	<ul style="list-style-type: none"> - Type rotary vanes - Capacity 20 litres / 70 round - Suction tube Ø32mm - Discharging tube Ø20mm 	<ul style="list-style-type: none"> - Type rotary vanes - Capacity 20 litres / 70 round - Suction tube Ø32mm - Discharging tube Ø20mm
CODE	PG/BP-5	PG/TMG-040	PG/TMG-080	PG/TMG-150	PG/BT-87	PG/BMP-1	PGY/RHP-25-CI	PGY/RHP-25-AL
DELIVERY STATUS	●	●	●	●	●	●	●	●

AP / AL RANGE

A

AP / AL range are surface mounted pumps with a self priming capacity of up to 7.5metres, with a solids handling of up to 25mm. This is a very popular pump for many industrial and commercial applications.

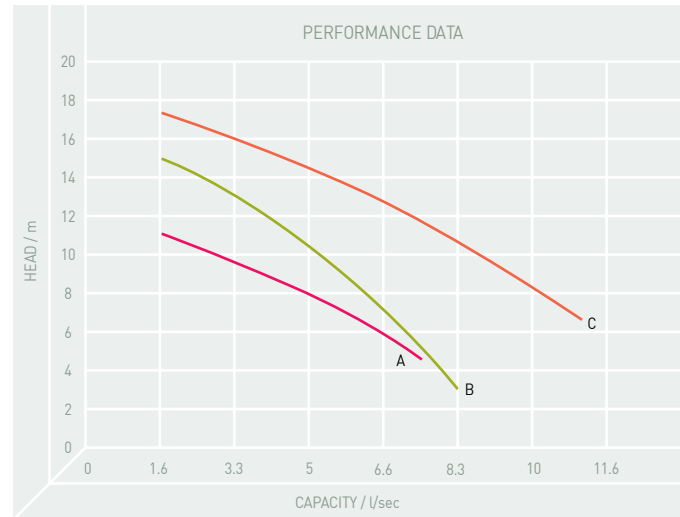
The AP/AL range is constructed from durable materials, with a fully repairable design for a long and reliable operating life.

FEATURES

- Rapid self priming up to 7.5metres
- Excellent abrasion resistance
- Excellent solids handling from 20mm to 25mm
- Easily repairable wear components
- Choice of models 1 & 3Ph, plus bare shaft AL for alternative prime movers
- Liquid temperature: -15°C to +70°C
- Maximum working pressure: 6 bar
- Maximum ambient temperature: -40°C
- Maximum altitude: 1000 m
- Insulation class: F
- Variable speed drive possible for all motors
- Pump Body: cast iron EN-GJL-200
- Impeller: cast iron EN-GJL-200
- Shaft: stainless steel, AISI 420 (1.4028)
- Rubber Parts: NBR

BENEFITS

- Good solids handling
- Repairable
- Economical Investment
- Designed for long life
- Good availability of pumps and spares



SCAN TO SHOP ONLINE

PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		FRAME	IP RATING	RPM	DISCHARGE		MAXIMUM		FREE PASSAGE mm	WEIGHT kg	DELIVERY STATUS
			amp	kW				mm	inch	HEAD m	CAPACITY l/sec			
AP/97-B 230V	PTS/AP97B-1	A \	6.2	0.75	80	IP45	2,900	50	2	12	7.5	20	23	
AP/97-B 400V	PTS/AP97B-2	A \	2.8	0.75	80	IP45	2,900	50	2	12	7.5	20	23.5	
AP/97-A 230V	PTS/AP97A-1	B \	8.1	1.1	80	IP45	2,900	50	2	16.5	8.3	20	24	
AP/97-A 400V	PTS/AP97A-2	B \	4.5	1.1	80	IP45	2,900	50	2	16.5	8.3	20	24.5	
AP/98-A 230V	PTS/AP98A-2	B \	11	2.2	90	IP55	2,900	50	2	18.7	11.1	25	46	
AP/98-A 400V	PTS/AP98A-1	B \	4.2	2.2	90	IP55	2,900	50	2	18.7	11.1	25	48	
AL/98*	PTS/AP98-1	C \	N/A	2.2	N/A	N/A	N/A	50	2	18.7	11.1	25	40	

Please note: *AL/98 is a bare shaft pump and requires a prime mover capable of 2.2kW at 2900RPM.

J RANGE

B

The J range are surface mounted, self-priming, centrifugal pumps with an open impeller, large diameter for solids handling and replaceable wear plates. They have easily opened inspection covers and externally lubricated mechanical seals.

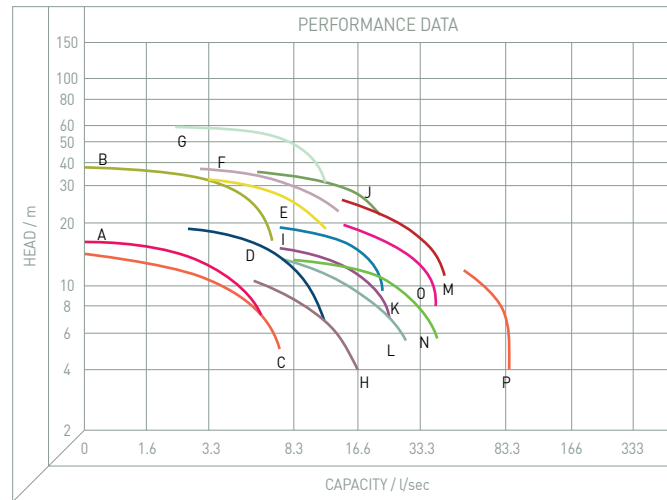
Self-Priming Principle:

The air (yellow arrows) is drawn into the pump due to the negative pressure created by the moving impeller and is emulsified with the liquid (blue arrows) contained in the pump casing.

The air-liquid emulsion is forced into the priming chamber where the lighter air is separated and leaves through the discharge pipe; the heavier liquid drops back down into circulation. Once all of the air has been expelled from the suction pipe, the pump is primed and works like a normal centrifugal pump. The pump can also work with an air-liquid mixture.

The non-return valve has a dual function: it prevents the suction pipe from emptying when the pump is off; in the event of accidental emptying of the suction pipe, this holds a sufficient amount of liquid in the pump casing to prime the pump.

The discharge pipe must be free to expel the air coming from the suction pipe.



SCAN TO SHOP ONLINE

FEATURES

- Heavy duty casing in cast iron, bronze or stainless steel
- Easily opened priming, drain and impeller inspection covers (Not available for J1-160 / 2-200 / 3-100 / 4-100 Models)
- Ductile iron, aluminium bronze or stainless steel semi-open impeller for handling large diameter spherical solids
- Easily replaced cast iron, abrasion resistant rubber faced cast iron, bronze or stainless steel wear place(s). (Not available for J 1-160 / 2-200 / 3-100 / 4-100 Models)
- Externally lubricated mechanical seal. Can run dry on high vacuum even when pumping highly abrasive liquids
- Silicon or tungsten carbide seats (graphite rotating seat for versions for petroleum products)
- Double or cartridge seats available on request
- Bearing housing with heavy duty bearings suitable for direct or v-belt drive
- Standard diameter shaft extension bored and tapped to facilitate the assembly of couplings or pulleys
- Double or cartridge seals available on request

BENEFITS

- Rapid self-priming without foot valve. Once filled with water, the pump is automatically primed to a height of 7.5m
- Semi-open impeller allowing the passage of wide solid bodies and easy inspection
- High resistance to abrasive liquids: the wear plate is easily replaceable
- Axial mechanical seal lubricated from the outside: no leaks or infiltration of air along the shaft
- Easy to install: only the suction pipe needs to be immersed in the liquid. The pump can be located above and in a dry place, in the most suitable location for service and control
- Long life: the parts subject to wear can be easily replaced, several times, restoring the original performance of the pump

J RANGE

B

INDUSTRIAL PUMPS - 7

PUMP TYPE	PRODUCT CODE	CURVE	DISCHARGE		FREE PASSAGE mm	VOLTAGE V	OUTPUT kW	SPEED RPM	WEIGHT kg	DELIVERY STATUS
			mm	inch						
JE 1-110 G10 MM20	PV/8381061039	A \	40	1 ½	20	230	1.1	2900	29	
JE 1-110 G10 NT20	PV/8381063388	A \	40	1 ½	20	400	1.1	2900	29	
JE 1-180 G10 NT20	PV/8381063266	B \	40	1 ½	11	400	4	2900	71	
JE 2-100 G10 MM20	PV/8381061073	C \	50	2	17	230	1.1	2900	27	
JE 2-100 G10 NT20	PV/8381063383	C \	50	2	17	400	1.1	2900	27	
JE 2-120 G10 MM20	PV/8381061080	D \	50	2	25	230	2.2	2900	41	
JE 2-120 G20 NT20	PV/8381063389	D \	50	2	25	230	2.2	2900	41	
JE 2-120 G10 MT20	PV/4810059076	D \	50	2	25	400	2.2	2900	41	
JE 2-170 G10 NT20	PV/8381063545	E \	50	2	13	400	4	2900	96	
JE 2-180 G10 NT20	PV/8381063868	F \	50	2	15	400	5.5	2900	96	
JE 2-215 G10 NT20	PV/8381063268	G \	50	2	14	400	11	2900	200	
JE 3-100 G10 MM20	PV/8381061119	H \	80	3	25	230	2.2	2900	37	
JE 3-100 G10 NT20	PV/8381063479	H \	80	3	25	400	2.2	2900	37	
JE 3-140 G10 NT20	PV/8381063574	I \	80	3	28	400	4	2900	75	
JE 3-180 G10 NT20	PV/8381063267	J \	80	3	27	400	7.5	2900	107	
JE 3-210 G10 NT40	PV/8381063867	K \	80	3	40	400	4	1450	108	
JE 4-100 G10 NT20	PV/8381063865	L \	100	4	38	400	4	2900	64	
JE 4-160 G10 NT20	PV/8381063871	M \	100	4	45	400	11	2900	190	
JE 4-220 G11 FT40	PV/8381061023	N \	100	4	45	400	5.5	1450	190	
JE 4-250 G11 FT40	PV/8381061024	O \	100	4	50	400	7.5	1450	186	
JE 6-250 G11 FT40	PV/8381061033	P \	150	6	76	400	11	1450	279	

Please note: Other models are available upon request, please speak to our sales department for more information.

SECTION 08
PUMP ACCESSORIES



HOSE / FITTINGS

B

SIZE	MEDIUM DUTY LAYFLAT HOSE		HOSE BANDS (ZINC PLATED) LAYFLAT HOSE	SUCTION-DELIVERY HOSE		HOSE BANDS (ZINC PLATED) SUCTION-DELIVERY HOSE	FEMALE BRASS HOSETAIL (BSP THREAD)	MALE BRASS HOSETAIL (BSP THREAD)	SUCTION STRAINER (STEEL PLATED)
	CODE	MAXIMUM WORKING PRESSURE bar		CODE	MAXIMUM WORKING PRESSURE bar				
1/2"	-	-	-	-	-	-	VU/BFHT14 	VU/BMHT14 	-
3/4"	-	-	-	-	-	-	VU/BFHT20 	VU/BMHT20 	-
1"	HU/25LF 	3	HU/HOSEBAND-1 	HU/25PNR 	5	HU/HOSEBAND-1.25 	VU/BFHT25 	VU/BMHT25 	FHU/25STRAINER
1 1/4"	HU/32LF 	4	HU/HOSEBAND1.25L 	HU/32PNR 	5	HU/HOSEBAND-1.25S 	VU/BFHT32 	VU/BMHT32 	FHU/32STRAINER
1 1/2"	HU/40LF 	4	HU/HOSEBAND-1.5 	HU/40PNR 	5	HU/HOSEBAND-1.5S 	VU/BFHT40 	VU/BMHT40 	FHU/40STRAINER
2"	HU/50LF 	3.5	HU/HOSEBAND-2 	HU/50PNR 	5	HU/HOSEBAND-2S 	VU/BFHT50 	VU/BMHT50 	FHU/50STRAINER
2 1/2"	HU/65LF 	3	HU/HOSEBAND-2.5 	HU/65PNR 	5	HU/HOSEBAND-3 	VU/BFHT65 	VU/BMHT65 	FHU/65STRAINER
3"	HU/80LF 	4	HU/HOSEBAND-3L 	HU/80PNR 	5	HU/HOSEBAND-3S 	VU/BFHT80 	VU/BMHT80 	FHU/80STRAINER
4"	HU/100LF 	4	HU/HOSEBAND-4 	HU/100PNR 	5	HU/HOSEBAND-4S 	VU/BFHT100 	VU/BMHT100 	FHU/100STRAINER
6"	HU/150LF 	4	-	HU/150PNR 	5	-	-	-	FHU/150STRAINER
8"	HU/200LF 	4	-	-	-	-	-	-	-

HOSE COUPLINGS

B

PUMP ACCESSORIES - 8

SIZE	MALE A	LOCK CLOSURE RING B	FEMALE C	O-RING SET D	COMPLETE MALE NP16 A/B/C/D	FLANGED MALE PN16 E	FLANGED FEMALE PN16 F	MALE COUPLING MALE BSP THREADED G	FEMALE COUPLING MALE BSP THREADED H
2"									
	●	●	●	●	●	●	●	●	●
3"									
	●	●	●	●	●	●	●	●	●
4"									
	●	●	●	●	●	●	●	●	●
6"									
	●	●	●	●	●	●	●	●	●
8"									
	●	●	●	●	●	●	●	●	●

LIGHT DUTY PLASTIC COUPLING



SIZE	TYPE	DELIVERY STATUS
1"	HU/QRHC/ABS-1	●
1 1/4"	HU/QRHC/ABS-1.25	●
1 1/2"	HU/QRHC/ABS-1.5	●
2"	HU/QRHC/ABS-2	●
3"	HU/QRHC/ABS-3	●
4"	HU/QRHC/ABS-4	●

LIGHT DUTY ALUMINIUM HOSE COUPLING



SIZE	TYPE	DELIVERY STATUS
1"	HU/QRHC/ALU-1	●
1 1/4"	HU/QRHC/ALU-1.25	●
1 1/2"	HU/QRHC/ALU-1.5	●
2"	HU/QRHC/ALU-2	●
3"	HU/QRHC/ALU-3	●
4"	HU/QRHC/ALU-4	●

FLEXIBLE COUPLINGS

Flexible couplings are professional connectors that repair damages in pipelines by securely connecting different types of pipes together. Flexible couplings are preferred for sewage systems, household drainage systems, industrial systems and daily use. They are a sustainable option since rubber has a significantly long product life span, instead of renewing your wastewater/rainwater systems you can repair your pipes while reducing your carbon footprint.

Technical Specification

- Materials: Clamp - 316 Stainless steel
Clamp width: 12.7mm
Coupling body - EPDM 60 shA
Coupling body thickness: 10mm
- Specification: EN 681-1
- Tightening torque for stainless clamp: 5 Nm
- Pressure resistance: 0.6 Bar

Standard Coupling

- Connects same and different size and material of pipes
- Durable for decades
- High level ozone resistance
- Above and below ground use
- 0.6 bar pressure resistance

Adaptor / Reducer Coupling

- Durable for decades
- High level ozone resistance
- Above and below ground use
- 0.6 bar pressure resistance

B



TYPE 1 - ADAPTOR / REDUCER COUPLING



TYPE EB - OFFSET ADAPTOR / REDUCER COUPLING



TYPE 2 - STRAIGHT COUPLING



TYPE 3 - INTERNAL STEP REDUCER COUPLING

MODEL	TYPE	BOTH SIDES PIPE DIAMETERS RANGE		DELIVERY STATUS
		A	B	
400363	TYPE 1	70-88	50-61	
400364	TYPE 1	75-90	110-115	
400332	TYPE 1	70-88	98-114	
400365	TYPE 1	98-112	108-122	
400366	TYPE 1	110-122	144-160	
400334	TYPE 1	98-112	122-144	
400367	TYPE 1	98-114	137-152	
400335	TYPE 1	98-112	140-162	
400368	TYPE 1	95-110	175-200	
400330	TYPE 1	145-165	175-200	
400331	TYPE 1	145-165	190-216	
400370	TYPE 1	192-220	225-248	
400371	TYPE 2	50-61	50-61	
400372	TYPE 2	70-85	70-85	
400267	TYPE 2	98-114	98-114	
400333	TYPE 2	145-165	145-165	
400373	TYPE 2	195-220	195-220	
400329	TYPE 3	60-76	70-88	
400326	TYPE EB	98-114	185-210	
400374	TYPE EB	178-198	278-298	
400375	TYPE EB	144-164	278-298	

CAMLOCK FITTINGS



	STOCK REFERENCE	DESCRIPTION	TYPE	DELIVERY STATUS
50mm CAMLOCK FITTINGS	HU/FHP50	50mm FEMALE THREADED CAMLOCK PLUG BSPP	TYPE A	●
	HU/MLC50	50mm MALE CAMLOCK LEVER COUPLING BSPP	TYPE B	●
	HU/HTC50	50mm CAMLOCK HOSETAIL LEVER COUPLING	TYPE C	●
	HU/FLC50	50mm FEMALE CAMLOCK LEVER COUPLING BSPP	TYPE D	●
	HU/HT50	50mm CAMLOCK HOSETAIL PLUG	TYPE E	●
	HU/MHP50	50mm MALE THREADED CAMLOCK PLUG BSPP	TYPE F	●
80mm CAMLOCK FITTINGS	HU/FTP75	80mm FEMALE CAMLOCK THREADED PLUG BSPP	TYPE A	●
	HU/MLC75	80mm MALE CAMLOCK LEVER COUPLING BSPP	TYPE B	●
	HU/HTC75	80mm CAMLOCK HOSETAIL LEVER COUPLING	TYPE C	●
	HU/FLC75	80mm FEMALE CAMLOCK LEVER COUPLING BSPP	TYPE D	●
	HU/HT75	80mm CAMLOCK HOSETAIL PLUG	TYPE E	●
	HU/MHP75	80mm MALE THREADED CAMLOCK PLUG BSPP	TYPE F	●
100mm CAMLOCK FITTINGS	HU/FTP100	100mm FEMALE CAMLOCK THREADED PLUG BSPP	TYPE A	●
	HU/MLC100	100mm MALE CAMLOCK LEVER COUPLING BSPP	TYPE B	●
	HU/HTC100	100mm CAMLOCK HOSETAIL LEVER COUPLING	TYPE C	●
	HU/FLC100	100mm FEMALE CAMLOCK LEVER COUPLING BSPP	TYPE D	●
	HU/HT100	100mm CAMLOCK HOSETAIL PLUG	TYPE E	●
	HU/MHP100	100mm MALE THREADED CAMLOCK PLUG BSPP	TYPE F	●

DISCHARGE BENDS



Universal flanged discharge bends come complete with male BSP threaded connection to allow for various discharge configurations. Supplied with fixing bolts and EPDM gasket.

FEATURES

- Male BSP
- EPDM gasket
- Fixing bolts included



PUMP WITH DISCHARGE BEND



DISCHARGE BEND

MODEL/CODE	PUMP TYPE	DELIVERY STATUS
TT/A4/12414	DN50 PN10 - 16 DISCHARGE BEND	
TT/A4/12415	DN80 PN10 - 16 DISCHARGE BEND	
TT/A4/12416	DN100 PN10 - 16 DISCHARGE BEND	
TT/BEND75	T-T 305, 505, 510 80MM DISCHARGE BEND - SQUARE FLANGE	
TT/BEND100	T-T 1008, 1409 100MM DISCHARGE BEND - SQUARE FLANGE	

FLUSH VALVE



Fitted on the pump body within a pumping station, the Flush Valve produces a strong, controlled jet every time the pump is restarted. This valve is automatic and adjustable, capable of removing sediment that can build-up and stop the system.

This type of revolutionary valve applies the 'Venturi' principle. The valve closure can be timed by acting on a transfer regulator fitted between two chambers and the closing time can be adjusted between 10 and 400 seconds.

FEATURES

- Flanged suction inlet 1 1/2"
- Cast iron body finished in ecological epoxy vinyl
- Hydraulic operation
- Durable design
- Fully repairable
- Closure time setting: 10 - 400 seconds
- Maximum flow rate (l/min): 750 - 17000
- Minimum pump weight: 70 kg



PUMP TYPE	CODE	WEIGHT kg	DELIVERY STATUS
FLUSHVALVE	PZS/FLUSH	16	

NIPPLES, SOCKETS AND BUSHES



HEX NIPPLES

MODEL/CODE	DESCRIPTION	DELIVERY STATUS
ZU/NIP-25-HEX	25mm HEX NIPPLE MSG	
ZU/NIP-32-HEX	32mm HEX NIPPLE MSG	
ZU/NIP-40-HEX	40mm HEX NIPPLE MSG	
ZU/NIP-50-HEX	50mm HEX NIPPLE MSG	



REDUCING NIPPLES

MODEL/CODE	DESCRIPTION	DELIVERY STATUS
ZU/240-50X25MSG	50 x 25mm REDUCING NIPPLE MSG	
ZU/240-50X40MSG	50 x 40mm REDUCING NIPPLE MSG	



SOCKETS

MODEL/CODE	DESCRIPTION	DELIVERY STATUS
ZU/270-20MSG	20mm SOCKET MSG	
ZU/270-25MSG	25mm SOCKET MSG	
ZU/270-32MSG	32mm SOCKET MSG	
ZU/270-40MSG	40mm SOCKET MSG	
ZU/270-50MSG	50mm SOCKET MSG	



REDUCING BUSHES

MODEL/CODE	DESCRIPTION	DELIVERY STATUS
ZU/241-50X32MSG	50mm MALE X 32mm FEMALE RED. BUSH MSG	
ZU/241-50X40MSG	50mm MALE X 40mm FEMALE RED. BUSH GALV	
ZU/241-65X50MSG	65mm MALE X 50mm FEMALE RED. BUSH GALV	
ZU/241-80X65MSG	80mm MALE X 65mm FEMALE RED. BUSH GALV	
ZU/241-100X80MSG	100mm MALE X 80mm FEMALE RED. BUSH GALV	

PUMP HOOKS



WILLFIT

For use when fitting submersible pumps to non T-T duckfoot designs. Manufactured in heavy-duty cast iron and made as an economical alternative to refitting existing pumping stations.

FEATURES

- Supplied with NBR rubber seal and stainless steel fasteners



PUMP HOOK 32mm - 50mm

PUMP HOOK
65mm - 250mm

PRODUCT DESCRIPTION	CODE	WEIGHT kg	DELIVERY STATUS
50mm ADAPTOR HOOK TO SUIT 3/4" GUIDERAIL NB	PZS/50-P/HOOKNEW	2	
80mm ADAPTOR HOOK TO SUIT 1 1/2" GUIDERAIL NB	PZS/80-WILLFIT	8	
100mm ADAPTOR HOOK TO SUIT 1 1/2" GUIDERAIL NB	PZS/100-WILLFIT	10	
150mm ADAPTOR HOOK TO SUIT 2" GUIDERAIL NB	PZS/150-WILLFIT	19	
200mm ADAPTOR HOOK TO SUIT 2" GUIDERAIL NB	PZS/200-WILLFIT	23	
250mm ADAPTOR HOOK TO SUIT 2" GUIDERAIL NB	PZS/250-WILLFIT	30	

PUMP HOOKS



ZENIT

For use with Zenit duckfoot design.

FEATURES

- Supplied with NBR rubber seal and stainless steel fasteners



PUMP HOOK
32mm - 50mm

PUMP HOOK
80mm

PRODUCT DESCRIPTION	CODE	WEIGHT kg	DELIVERY STATUS
50mm ADAPTOR HOOK	PZS/50-P/HOOKNEW	2	
80mm ADAPTOR HOOK	PZS/80-PUMPHOOK	8	
100mm ADAPTOR HOOK	PZS/100-PUMPHOOK	10	

AUTO-COUPLING SETS



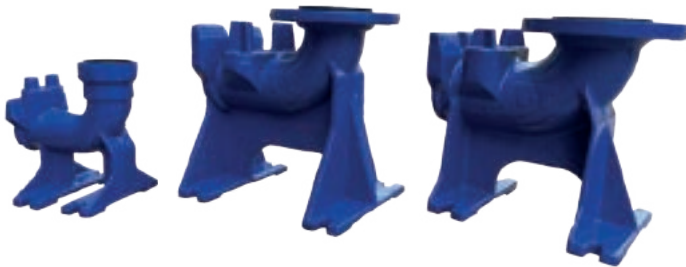
DUCKFOOT

The Auto-Coupling is fixed to the bottom of the pump chamber and allows the pump to be raised and lowered without emptying the chamber, making repairs and maintenance of the pump much easier and more cost-effective.

The mobile section, an integral part of the pump, descends on the guide-rails connected to the fixed part of the device at the bottom of the chamber, until it self-locates in the correct operating position.

FEATURES

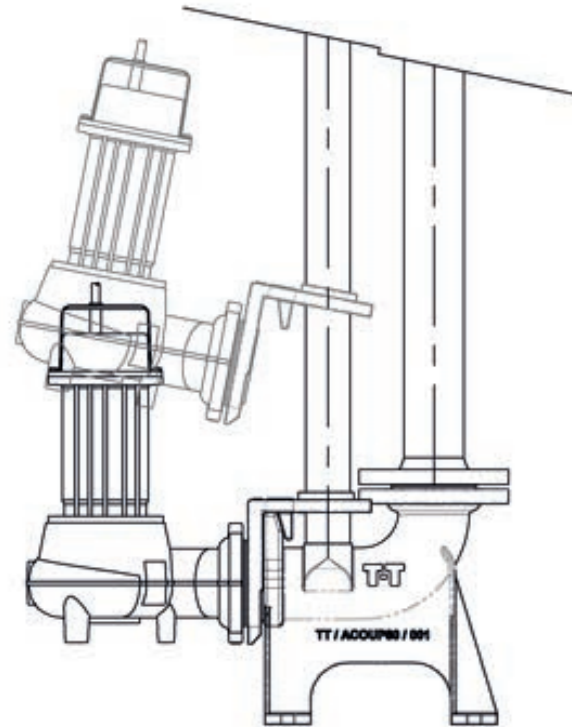
- Easy to lift pump for cleaning / maintenance
- Robust construction
- Consists of pedestal, claw and upper guide rail support brackets
- Stainless steel available upon request



DN50

DN80

DN100



TYPE	CODE	PUMP DISCHARGE SIZE	GUIDERAIL INTERNAL DIAMETER	WEIGHT kg	DELIVERY STATUS
DN50 AUTO COUPLING KIT	TT/ACOUP50	2" / 50mm	3/4" NB	8.5	
DN65 AUTO COUPLING KIT	TT/ACOUP65	2 1/2" / 65mm	2" NB	-	
DN80 AUTO COUPLING KIT	TT/ACOUP80	3" / 80mm	2" NB	28	
DN100 AUTO COUPLING KIT	TT/ACOUP100	4" / 100mm	2" NB	31	
DN150 AUTO COUPLING KIT	TT/ACOUP150	6" / 150mm	2" NB	116	
DN 200 AUTO COUPLING KIT	PZS/200-A/COUP	8" / 200	2" NB	171	
DN 250 AUTO COUPLING KIT	PZS/250-A/COUP	10" / 250mm	2" NB	203	
DN 300 AUTO COUPLING KIT	PZS/300-A/COUP	12" / 300mm	3" NB	312	

Please note: Other size couplings are available on request.

AUTO COUPLING ACCESSORIES





T-T's Auto-Coupling accessories are available in a range of sizes to suit all Duckfoot Auto-Coupling sets, ideal for spares and repairs.



DESIGNED
IN THE UK



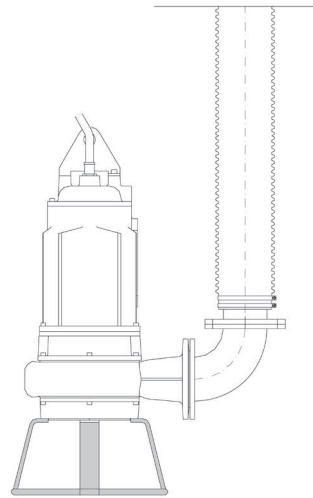
CLAW/HOOK	CLAW/HOOK SEAL	GUIDERAIL BRACKET
		

	ACCESSORIES	PRODUCT CODE	DELIVERY STATUS
TT/ACOU50	CLAW/HOOK	TT/ACOU50/002	
	CLAW/HOOK SEAL	TT/ACOU50/004	
	GUIDERAIL BRACKET	TT/ACOU50/003	
TT/ACOU65	CLAW/HOOK	TT/ACOU65/002	
	CLAW/HOOK SEAL	TT/ACOU65/003	
	GUIDERAIL BRACKET	TT/GRAILBKT	
TT/ACOU80	CLAW/HOOK	TT/ACOU80/002	
	CLAW/HOOK SEAL	TT/ACOU100/003	
	GUIDERAIL BRACKET	TT/GRAILBKT	
TT/ACOU100	CLAW/HOOK	TT/ACOU100/002	
	CLAW/HOOK SEAL	TT/ACOU100/004	
	GUIDERAIL BRACKET	TT/GRAILBKT	
TT/ACOU150	CLAW/HOOK	TT/ACOU150/002	
	CLAW/HOOK SEAL	TT/ACOU150/004	
	GUIDERAIL BRACKET	TT/GRAILBKT	

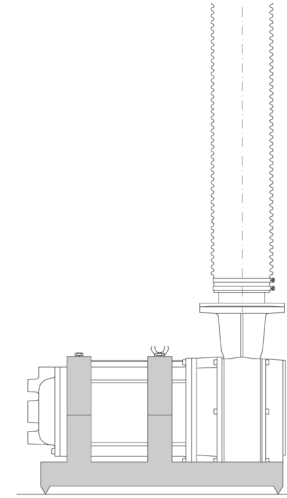
PUMP STANDS



The stands are designed to allow the pump to operate correctly within a sump when an auto-coupling system cannot be used.



VERTICAL PUMP STAND





HORIZONTAL PUMP STAND







	PUMP TYPE	BASE	PRODUCT CODE	WEIGHT kg	DELIVERY STATUS
VERTICAL MOUNTING OF PUMP	E-FLOW & V-FLOW	-	TT/E100-0012/A	6.4	
	T-T305, T-T505 & T-T510	-	TT/TT505-STAND	1.5	
	DGO Range	-	TT/9024.010	2.2	
	PTS 80	-	TT/TSV80	3.8	
	PTS 100	-	TT/TSV100	5.4	
	PTS 150	-	TT/TSV150	12	
	APG	A	TT/9024-006	1.8	
	GRG	A	TT/9024-006	1.8	
	DGG	A	TT/9024-006	1.8	
	DGG	B	TT/9024.007	15.6	
	DGG	G	TT/9024-114	3	
	DGG	H	TT/9024-0.31	28.5	
	DRG	A	TT/9024-006	1.8	
	DRG	B	TT/9024-007	15.6	
	DRG	C	TT/9024-010	1.9	
	DRG	D	TT/9024-015	20	
	DRG	E	TT/9024-032	53.2	
DRG	F	TT/9024-033	47.6		
HORIZONTAL MOUNTING OF PUMP	PTS 80	-	TT/TS080	7.4	
	PTS 100	-	TT/TS0100	10.9	
	PTS 150	-	TT/TS0150	18	

LIFTING CHAIN

C

Lifting chains are available in both galvanised steel and stainless steel with lifting rings at 1 metre intervals. All our chains are certified to 500kg, with a higher weight capacity version available on request.

MILD STEEL GALVANISED LIFTING CHAINS	STAINLESS STEEL LIFTING CHAINS	LIGHT DUTY SUSPENSION CHAIN (NO LIFTING RINGS)	MILD STEEL GALVANISED D SHACKLE	STAINLESS STEEL D SHACKLE
				

PUMP TYPE	PRODUCT CODE	SAFE WORKING LOAD kg	DELIVERY STATUS
MILD STEEL GALVANISED LIFTING CHAIN	WU/CHAIN500	500	
STAINLESS STEEL LIFTING CHAIN*	WU/CHAIN500S/S	500	
LIGHT DUTY SUSPENSION CHAIN	WU/CHAIN-LD	500	
MILD STEEL D SHACKLE	WU/D500MSG	500	
STAINLESS STEEL D SHACKLE*	WU/D500ST/ST	500	
LIGHT DUTY D SHACKLE	WU/DLINK-LD	500	

Please note: *Stainless steel lifting chain (WU/CHAIN500S/S) and the stainless steel D shackle (WU/D500ST/ST) are not applicable to category C.

SECTION 09 WATERWORKS VALVES





Resilient seat wedge gate valve used for pipeline isolation. This valve is suitable for potable water duties and buried service.

TECHNICAL SPECIFICATION

- Standard: EN1074- 1&2: 2000 BS 5163 Pt 1&2: 2004 & EN1171:2002 (Cat.4)
- Range: DN50 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558-1:1986 table 3, basic series 3
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Wedge guides and rolled stem thread for reduced operating friction
- Wax filled fasteners for corrosion resistance
- Stem seals replaceable under pressure
- Body gasket locates within recess to prevent blow out
- Clockwise closing spindle as standard in EN10088 1.4401 (SS316)
- 100% full bore and body bosses
- Low maintenance design suitable for buried service
- WRAS approved

BENEFITS

- Excellent sealing performance
- Superior materials
- Good reliability
- Excellent corrosion resistance

OPTIONS

- Handwheel or stem cap
- Chainwheel
- Position indicator with optional switches
- Anti-clockwise closing spindle
- Bypass assembly
- Alternative flange drillings



SCAN TO SHOP ONLINE

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	10	TTF/RGV050	
DN65	12	TTF/RGV065	
DN80	14	TTF/RGV080	
DN100	20	TTF/RGV100	
DN125	25	TTF/RGV125	
DN150	32	TTF/RGV150	
DN200	52	TTF/RGV200	
DN250	88	TTF/RGV250	
DN300	117	TTF/RGV300	

DN: Nominal Diameter.

Waterworks Valves

Gate Valves



WATERWORKS VALVES - 9

Resilient seat wedge gate valve with ISO interface used for pipeline isolation, prepared for actuation. This valve is suitable for potable water duties and buried service.

TECHNICAL SPECIFICATION

- Standard: EN1074- 1&2: 2000 BS 5163 Pt 1&2: 2004 & EN1171:2002 (Cat.4)
- Range: DN50 - DN400
- Flanges & drilling's: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558-1:1986 table 3, basic series 3
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- ISO 5210 mounting pad with precision machined keyed spindle
- Wedge guides and rolled stem thread for reduced operating friction
- Wax filled fasteners for corrosion resistance
- Stem seals replaceable under pressure
- Body gasket located within recess to prevent blow out
- Clockwise closing spindle as standard in EN10088 1.4401 (SS316)
- 100% full bore and body bosses
- Low maintenance design suitable for buried service
- WRAS approved

BENEFITS

- Excellent sealing performance
- Superior materials
- Cost effective actuation interface
- Excellent corrosion resistance

OPTIONS

- Electric actuator
- Bevel or spur gearbox
- Anti-clockwise closing spindle
- Bypass assembly
- Alternative flange drillings



SCAN TO SHOP ONLINE

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	10	TTF/RGV050ISO	
DN80	14	TTF/RGV080ISO	
DN100	20	TTF/RGV100ISO	
DN125	25	TTF/RGV125ISO	
DN150	32	TTF/RGV150ISO	
DN200	52	TTF/RGV200ISO	
DN250	88	TTF/RGV250ISO	
DN300	117	TTF/RGV300ISO	
DN350	185	TTF/RGV350ISO	
DN400	225	TTF/RGV400ISO	

DN: Nominal Diameter.

Same day dispatch. Lead time may apply.

ttpumps.com

+44 (0) 1630 647200

METAL SEAT GATE VALVE PN16



Metal seat wedge gate valve used for pipeline isolation. Suitable for potable water, wastewater and sewage duties and buried service.

TECHNICAL SPECIFICATION

- Standard: BS 5163 Pt 1&2: 2004, EN1171:2002 & EN1074 Pt 1&2:2000
- Range: DN50 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558-1:1986 table 3, basic series 3
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Precision machined copper alloy seat rings
- Durable fusion bonded epoxy coated
- Stem seals replaceable under pressure
- 100% full bore
- Clockwise closing stem as standard
- Body bosses & drain plug as standard
- Low maintenance design suitable for buried service
- WRAS listed materials

BENEFITS

- British design
- Proven design
- Great reliability
- Robust design

OPTIONS

- Handwheel or stem cap
- Chainwheel
- Position indicator with optional switches
- Anti-clockwise closing spindle
- Bypass assembly
- Alternative flange drillings



SCAN TO SHOP ONLINE

PN16 FLANGE DRILLINGS

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	23	TTF/GATE50	
DN65	24	TTF/GATE65	
DN80	26	TTF/GATE80	
DN100	31	TTF/GATE100	
DN125	48	TTF/GATE125	
DN150	58	TTF/GATE150	
DN200	87	TTF/GATE200	
DN250	131	TTF/GATE250	
DN300	186	TTF/GATE300	

DN: Nominal Diameter.

BS10 IMPERIAL FLANGE DRILLINGS

VALVE TYPE	BS10 TABLE	WEIGHT kg	CODE	DELIVERY STATUS
DN80	D/E	26	TTF/GATE80/SPEC	
DN100	D	31	TTF/GATE100/SPEC	
DN150	E	58	TTF/GATE150/SPEC	
DN200	E	87	TTF/GATE200/SPEC	
DN250	D	131	TTF/GATE250/SPEC	
DN300	E	186	TTF/GATE300/SPEC	

DN: Nominal Diameter.

METAL SEAT GATE VALVE PN16 WITH ISO INTERFACE



WATERWORKS VALVES - 9

Metal seat wedge gate valve with ISO interface used for pipeline isolation. This valve is suitable for water, wastewater and sewage applications.

TECHNICAL SPECIFICATION

- Standard: BS 5163 Pt 1&2: 2004, EN1024 Pt 1&2:2000
- Range: DN80 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558-1:1986 table 3, basic series 3
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests: Seat - 1.1 x PN (17.6 bar) Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- ISO 5210 mounting pad with precision machined keyed spindle
- Wedge guides and rolled stem thread for reduced operating friction
- Wax filled fasteners for corrosion resistance
- Stem seals replaceable under pressure
- Body gasket locates within recess to prevent blow out
- Clockwise closing spindle as standard
- 100% full bore and body bosses

BENEFITS

- British design
- Proven design
- Great reliability
- Cost effective actuation interface

OPTIONS

- Electric actuator
- Bevel or spur gearbox
- Anti-clockwise closing spindle
- Bypass assembly
- Alternative flange drillings



SCAN TO SHOP ONLINE

PN16 FLANGE DRILLINGS

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN80	24	TTF/GATE80+TTF/ISOF10	
DN100	29	TTF/GATE100+TTF/ISOF10	
DN125	45	TTF/GATE125+TTF/ISOF10	
DN150	55	TTF/GATE150+TTF/ISOF10	
DN200	82	TTF/GATE200+TTF/ISOF14/200	
DN250	125	TTF/GATE250+TTF/ISOF14/250	
DN300	177	TTF/GATE300+TTF/ISOF14/300	

DN: Nominal Diameter.

BS10 IMPERIAL FLANGE DRILLINGS

VALVE TYPE	BS10 TABLE	WEIGHT kg	CODE	DELIVERY STATUS
DN80	D/E	24	TTF/GATE80/SPEC+TTF/ISOF10	
DN100	D	29	TTF/GATE100/SPEC+TTF/ISOF10	
DN150	E	55	TTF/GATE150/SPEC+TTF/ISOF10	
DN200	E	82	TTF/GATE200/SPEC+TTF/ISOF14/200	
DN250	D	125	TTF/GATE250/SPEC+TTF/ISOF14/250	
DN300	E	177	TTF/GATE300/SPEC+TTF/ISOF14/300	

DN: Nominal Diameter.

METAL SEAT GATE VALVE PN16

Metal seat wedge gate valve with ISO interface used for pipeline isolation. Suitable for water, wastewater and sewage applications.

TECHNICAL SPECIFICATION

- Standard: BS 5163 Pt 1&2: 2004, EN1074 Pt 1&2:2000
- Range: DN350 - DN1200
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558-1:1986 table 3, basic series 3
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)

- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique ductile iron design
- Stem seals replaceable under pressure
- 100% full bore
- Clockwise closing stem as standard

- Air release as standard
- Low maintenance design suitable for buried service
- Hand wheel or cap operated stem
- Bevel or spur gearboxes available

BENEFITS

- Innovative design
- Global references
- Excellent performance
- Cost effective actuation interface



B

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN350	235	TTF/GATE350	
DN400	300	TTF/GATE400	
DN450	385	TTF/GATE450	
DN500	495	TTF/GATE500	
DN600	725	TTF/GATE600	
DN700	995	TTF/GATE700	
DN800	1340	TTF/GATE800	
DN900	1960	TTF/GATE900	
DN1000	2950	TTF/GATE1000	
DN1200	4200	TTF/GATE1200	

DN: Nominal Diameter.



SCAN TO SHOP ONLINE

METAL SEAT GATE VALVE WITH BYPASS PN16

Metal seat wedge gate valve with ISO interface used for pipeline isolation. This valve is suitable for water, wastewater and sewage applications.

TECHNICAL SPECIFICATION

- Standard: BS 5163 Pt 1&2: 2004, EN1074 Pt 1&2:2000
- Range: DN350 - DN1200
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558-1:1986 table 3, basic series 3
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)

- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Stem seals replaceable under pressure
- ISO 5210 mounting flange
- Air release as standard

- Clockwise closing stem as standard
- 100% full bore
- Low maintenance design suitable for buried service
- Hand wheel or cap operated stem
- Bevel or spur gearboxes available

BENEFITS

- Innovative design
- Cost effective actuation interface
- Full range of accessories



B

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN350	332	TTF/GATE350BP	
DN400	412	TTF/GATE400BP	
DN450	567	TTF/GATE450BP	
DN500	707	TTF/GATE500BP	
DN600	1041	TTF/GATE600BP	
DN700	1341	TTF/GATE700BP	
DN800	1845	TTF/GATE800BP	
DN900	2235	TTF/GATE900BP	
DN1000	3490	TTF/GATE1000BP	
DN1200	5730	TTF/GATE1200BP	

DN: Nominal Diameter.



SCAN TO SHOP ONLINE



Please note: Additional information required / bespoke built item, contact us for more information

METAL SEAT GATE VALVE PN25

B

Metal seat wedge gate valve used for pipeline isolation. Suitable for potable water, wastewater and sewage duties and buried service.

TECHNICAL SPECIFICATION

- Standard: BS 5163 Pt 1&2: 2004, EN1171:2002
- Range: DN80 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 10 (PN25)
- Face to face dimensions: BS EN 558-1:1986 table 3, basic series 3
- Maximum working pressure: 25 bar
- Hydrostatic pressure tests: Seat - 1.1 x PN (27.6 bar)
Body - 1.5 x PN (36.0 bar)

FEATURES

- Unique lightweight ductile iron design
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)
- Stem seals replaceable under pressure
- 100% full bore
- Clockwise closing stem as standard
- Integral feet to facilitate safe storage
- WRAS listed materials

BENEFITS

- Robust design
- Great reliability

OPTIONS

- Electric actuator
- Bevel or spur gearbox
- Anti-clockwise closing spindle
- Handwheel or stem cap
- Chainwheel
- Bypass assembly
- Alternative flange drillings
- Position indicator with optional switches



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN80	27	TTF/GATE80/PN25	
DN100	35	TTF/GATE100/PN25	
DN150	64	TTF/GATE150/PN25	
DN200	101	TTF/GATE200/PN25	
DN250	144	TTF/GATE250/PN25	
DN300	204	TTF/GATE300/PN25	



SCAN TO SHOP ONLINE

DN: Nominal Diameter.

METAL SEAT GATE VALVE WITH ISO INTERFACE PN25

B

Metal seat wedge gate valve used for pipeline isolation. Suitable for potable water, wastewater and sewage duties and buried service.

TECHNICAL SPECIFICATION

- Standard: BS 5163 Pt 1&2: 2004, EN1171:2002
- Range: DN80 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN25)
- Face to face dimensions: BS EN 558-1:1986 table 3, basic series 3
- Maximum working pressure: 25 bar
- Hydrostatic pressure tests: Seat - 1.1 x PN (27.6 bar)
Body - 1.5 x PN (36.0 bar)

FEATURES

- Unique lightweight ductile iron design
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)
- Stem seals replaceable under pressure
- 100% full bore
- Clockwise closing stem as standard
- Integral feet to facilitate safe storage
- Robust low maintenance design suitable for buried service
- WRAS listed materials

BENEFITS

- Cost effective actuation interface
- Great reliability

OPTIONS

- Electric actuator
- Bevel or spur gearbox
- Anti-clockwise closing spindle
- Handwheel or stem cap
- Chainwheel
- Bypass assembly
- Alternative flange drillings
- Position indicator with optional switches



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN80	25	TTF/GATE80/PN25+TTF/ISO10	
DN100	33	TTF/GATE100/PN25+TTF/ISO10	
DN150	62	TTF/GATE150/PN25+TTF/ISO10	
DN200	99	TTF/GATE200/PN25+TTF/ISO14/200	
DN250	142	TTF/GATE250/PN25+TTF/ISO14/250	
DN300	202	TTF/GATE300/PN25+TTF/ISO14/300	



SCAN TO SHOP ONLINE

DN: Nominal Diameter.

F4 RESILIENT SEAT WEDGE GATE VALVE PN16

B

Resilient seat wedge gate valve used for pipeline isolation. Suitable for potable water duties and buried service.

TECHNICAL SPECIFICATION

- Standard: EN1074- 1&2: 2000, EN1171: 2000 (Cat.4)
- Range: DN50 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558 basic series 14
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)

- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Rolled spindle thread for reduced operating friction
- Wax filled fasteners for corrosion resistance
- WRAS listed materials

- Clockwise closing stem as standard
- 100% full bore
- Low maintenance design suitable for buried service

BENEFITS

- Excellent sealing performance
- Easy to use
- Good reliability
- Excellent corrosion resistance



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	13	TTF/RGV50F4	●
DN65	14	TTF/RGV65F4	●
DN80	20	TTF/RGV80F4	●
DN100	24	TTF/RGV100F4	●
DN125	33	TTF/RGV125F4	●
DN150	40	TTF/RGV150F4	●
DN200	64	TTF/RGV200F4	●
DN250	85	TTF/RGV250F4	●
DN300	110	TTF/RGV300F4	●



SCAN TO SHOP ONLINE

DN: Nominal Diameter.

F4 METAL SEAT WEDGE GATE VALVE PN16

B

Metal seat wedge gate valve used for pipeline isolation. Suitable for potable water duties and buried service.

TECHNICAL SPECIFICATION

- Standard: EN1074- 1&2: 2000, EN1171: 2000 (Cat.4)
- Range: DN50 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558 basic series 14
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)

- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Rolled spindle thread for reduced operating friction
- Wax filled fasteners for corrosion resistance
- WRAS listed materials

- Clockwise closing stem as standard
- 100% full bore
- Low maintenance design suitable for buried service

BENEFITS

- Proven design
- Great reliability
- Robust design
- Supporting accessories available



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	10	TTF/GATE50F4	●
DN65	15	TTF/GATE65F4	●
DN80	19	TTF/GATE80F4	●
DN100	24	TTF/GATE100F4	●
DN125	37	TTF/GATE125F4	●
DN150	43	TTF/GATE150F4	●
DN200	70	TTF/GATE200F4	●
DN250	101	TTF/GATE250F4	●
DN300	181	TTF/GATE300F4	●



SCAN TO SHOP ONLINE

DN: Nominal Diameter.

Waterworks Valves

Isolation Valves



WAFER BUTTERFLY VALVE



B

Wafer pattern butterfly valve ideal for pipeline isolation and modulation. Suitable for clean water applications up to 90°C.

TECHNICAL SPECIFICATION

- Body: Cast iron EN-GJL-400
- Disc: Stainless steel AISI 316
- Liner: EPDM
- Stem: Stainless steel AISI 420
- Bearing: PTFE
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- EN593
- Replaceable liner
- Various disc materials
- Various liner materials
- Install between PN6/10/16 flanges
- Face to face according to EN558 series 20

- WRAS approved
- Larger sizes on request
- Notched lever, handwheel gearbox or actuated operation

BENEFITS

- Lightweight design
- Easy to install
- Reliable performance



WATERWORKS VALVES - 9

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	3	TTF/BVW50	
DN65	3	TTF/BVW65	
DN80	3	TTF/BVW80	
DN100	5	TTF/BVW100	
DN125	6	TTF/BVW125	
DN150	7	TTF/BVW150	
DN200	14	TTF/BVW200	
DN250	20	TTF/BVW250	
DN300	30	TTF/BVW300	



SCAN TO SHOP ONLINE

DN: Nominal Diameter.

LUGGED / TAPPED BUTTERFLY VALVE



B

Lugged and tapped pattern butterfly valve for isolation and modulation. Suitable for clean water applications up to 90°C.

TECHNICAL SPECIFICATION

- Body: Cast iron EN-GJL-400
- Disc: Stainless steel AISI 316
- Liner: EPDM
- Stem: Stainless steel AISI 420
- Bearing: PTFE
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- EN593
- Replaceable liner
- Various disc materials
- Various liner materials
- Install between 10/16 flanges
- Face to face according to EN558 series 20
- WRAS approved

- Larger sizes on request
- Notched lever, handwheel gearbox or actuated operation

BENEFITS

- Lightweight design
- Easy to install
- Reliable performance



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	4	TTF/BVLT50	
DN65	4	TTF/BVLT65	
DN80	5	TTF/BVLT80	
DN100	7	TTF/BVLT100	
DN125	8	TTF/BVLT125	
DN150	11	TTF/BVLT150	
DN200	22	TTF/BVLT200	
DN250	28	TTF/BVLT250	
DN300	38	TTF/BVLT300	



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DN: Nominal Diameter.

Same day dispatch. Lead time may apply.

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ECCENTRIC PLUG VALVE

B

This bi-directional eccentric plug valve can be used for wide-ranging flow control and isolation applications. Fields of use include clean and dirty water, sludge and slurries, sewage and air up to 70°C. Robust design with flow efficient round port offering lower head loss and improved solids handling.

TECHNICAL SPECIFICATION

- Range: DN50 - DN300, larger on request
- Rated to 16 bar
- Flange and drillings: BS EN 1092-2: 1987 Table 9 (PN16)
- Integral ISO5211 input

FEATURES

- Welded SS316L seat
- Fusion bonded epoxy coated ductile iron body
- Plug encapsulated in rubber (EPDM WRAS listed or Nitrile)
- Adjustable stem seal packing
- Self-lubricating bronze bearing brushes

BENEFITS

- Innovative design
- Excellent performance
- Designed for reliable long life
- Quality engineered



	VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
NBR	DN50	17	TTF/EP50N	
	DN65	19	TTF/EP65N	
	DN80	25	TTF/EP80N	
	DN100	35	TTF/EP100N	
	DN150	50	TTF/EP150N	
	DN200	80	TTF/EP200N	
	DN250	120	TTF/EP250N	
	DN300	125	TTF/EP300N	
EPDM	DN80	25	TTF/EP80E	
	DN100	35	TTF/EP100E	
	DN150	50	TTF/EP150E	
	DN200	80	TTF/EP200E	
	DN250	120	TTF/EP250E	
	DN300	125	TTF/EP300E	



SCAN TO SHOP ONLINE

DN: Nominal Diameter.

BI-DIRECTIONAL KNIFE GATE VALVE

B

Bi-directional, full-bore knife gate valve, with a non-rising spindle and serviceable inline.

FEATURES

- Bi-directional sealing, seals irrespectively of flow direction
- Full-bore to allow high flow rates with low pressure drop
- Wafer semi-lugged one-piece ductile iron body
- Stainless steel chamfered edged polished gate to effectively cut through media

- Stainless steel non-rising stem with rolled thread form to reduce friction
- No internal cavities avoids sediment accumulation
- Adjustable gland follower allowing in-service maintenance
- U-shaped NBR seal in one-piece
- O-ring on raised-face for flange joint integrity

- Handwheel operated (cap and ISO5210 interface on request)
- Flanged to BS EN 1092-2:1987 TABLE 9 (PN16)

BENEFITS

- Easy to install
- Built for reliability



	VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
	DN80 KNIFE GATE VALVE	10	TTF/KGVBI80	
	DN100 KNIFE GATE VALVE	13	TTF/KGVBI100	
	DN125 KNIFE GATE VALVE	18	TTF/KGVBI125	
	DN150 KNIFE GATE VALVE	23	TTF/KGVBI150	
	DN200 KNIFE GATE VALVE	30	TTF/KGVBI200	
	DN250 KNIFE GATE VALVE	51	TTF/KGVBI250	
	DN300 KNIFE GATE VALVE	63	TTF/KGVBI300	



SCAN TO SHOP ONLINE

DN: Nominal Diameter.

UNI-DIRECTIONAL KNIFE GATE VALVE

HANDWHEEL

Uni-directional, full-bore knife gate valve, with a rising spindle and serviceable inline.

FEATURES

- Uni-Directional sealing, seals in the direction of flow
- Full-bore to allow high flow rates with low pressure drop
- Wafer semi-legged one-pieced ductile iron body
- Stainless steel (SS316/1.4401) chamfered edged polished gate to effectively cut through media
- Stainless steel rising stem with rolled thread form to reduce friction
- No internal cavities avoids sediment accumulation
- Adjustable gland follower allowing in-service maintenance
- Chemically resistant FKM Seat
- Corrosion resistant construction
- Position indicator as standard
- Handwheel
- Accessories: limit switches, mechanical lockout and extension spindle

BENEFITS

- Lightweight design
- Easy to install
- Built for reliability
- Maintainable in service



B

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50 KNIFE GATE VALVE	6	TTF/KGV050HW	
DN65 KNIFE GATE VALVE	7	TTF/KGV065HW	
DN80 KNIFE GATE VALVE	9	TTF/KGV080HW	
DN100 KNIFE GATE VALVE	11	TTF/KGV100HW	
DN150 KNIFE GATE VALVE	15	TTF/KGV150HW	

DN: Nominal Diameter.



UNI-DIRECTIONAL KNIFE GATE VALVE

HANDWHEEL

Uni-directional, full-bore knife gate valve, with a rising spindle and serviceable inline.

FEATURES

- Uni-Directional sealing, seals in the direction of flow
- Full-bore to allow high flow rates with low pressure drop
- Wafer semi-legged one-pieced stainless steel body
- Stainless steel (SS316/1.4401) chamfered edged polished gate to effectively cut through media
- Stainless steel rising stem with rolled thread form to reduce friction
- No internal cavities avoids sediment accumulation
- Adjustable gland follower allowing in-service maintenance
- Chemically resistant FKM Seat
- Corrosion resistant construction
- Position indicator as standard
- Handwheel
- Accessories: limit switches, mechanical lockout and extension spindle

BENEFITS

- Lightweight design
- Easy to install
- Built for reliability
- Corrosion resistant



B

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50 KNIFE GATE VALVE	6	TTF/KGV050HW316	
DN65 KNIFE GATE VALVE	7	TTF/KGV065HW316	
DN80 KNIFE GATE VALVE	9	TTF/KGV080HW316	
DN100 KNIFE GATE VALVE	11	TTF/KGV100HW316	
DN150 KNIFE GATE VALVE	15	TTF/KGV150HW316	

DN: Nominal Diameter.



UNI-DIRECTIONAL KNIFE GATE VALVE

DOUBLE ACTING PNEUMATIC CYLINDER

Uni-directional, full-bore knife gate valve, with a rising spindle and serviceable inline.

FEATURES

- Uni-Directional sealing, seals in the direction of flow
- Full-bore to allow high flow rates with low pressure drop
- Wafer semi-lugged one-piece ductile iron body
- Stainless steel (SS316/1.4401) chamfered edged polished gate to effectively cut through media
- Protection guards as standard

- No internal cavities to avoid sediment accumulation
- Adjustable gland follower allowing in-service maintenance
- Chemically resistant FKM seat
- Corrosion resistant construction
- Position indicator as standard
- Double acting pneumatic cylinder

BENEFITS

- Lightweight design
- Easy to install
- Built for reliability
- Maintainable in service



B

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50 KNIFE GATE VALVE	9	TTF/KGV050DAC	
DN65 KNIFE GATE VALVE	10	TTF/KGV065DAC	
DN80 KNIFE GATE VALVE	12	TTF/KGV080DAC	
DN100 KNIFE GATE VALVE	14	TTF/KGV100DAC	
DN150 KNIFE GATE VALVE	23	TTF/KGV150DAC	

DN: Nominal Diameter.



SCAN TO SHOP ONLINE

UNI-DIRECTIONAL KNIFE GATE VALVE

DOUBLE ACTING PNEUMATIC CYLINDER

Uni-directional, full-bore knife gate valve, with a rising spindle and serviceable inline.

FEATURES

- Uni-Directional sealing, seals in the direction of flow
- Full-bore to allow high flow rates with low pressure drop
- Wafer semi-lugged one-piece stainless steel body
- Stainless steel (SS316/1.4401) chamfered edged polished gate to effectively cut through media
- Protection guards as standard

- No internal cavities to avoid sediment accumulation
- Adjustable gland follower allowing in-service maintenance
- Chemically resistant FKM seat
- Corrosion resistant construction
- Position indicator as standard
- Double acting pneumatic cylinder

BENEFITS

- Lightweight design
- Easy to install
- Built for reliability
- Excellent corrosion resistance



B

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50 KNIFE GATE VALVE	9	TTF/KGV050DAC316	
DN65 KNIFE GATE VALVE	10	TTF/KGV065DAC316	
DN80 KNIFE GATE VALVE	12	TTF/KGV080DAC316	
DN100 KNIFE GATE VALVE	14	TTF/KGV100DAC316	
DN150 KNIFE GATE VALVE	23	TTF/KGV150DAC316	

DN: Nominal Diameter.



SCAN TO SHOP ONLINE

Waterworks Valves

Check Valves



METAL SEAT SWING CHECK VALVE PN16



Metal seat swing check valve used to prevent reverse flow. Suitable for potable water, wastewater and sewage applications.

TECHNICAL SPECIFICATION

- Standard: BS EN 1074 pt 3: 2000, BS EN12234: 2001 & BS5153: 1974
- Range: DN50 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Face to face dimensions: BS EN 558-1:1986 table 10, basic series 10
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Suitable for horizontal & vertical installation
- Positive hexagon drive between shaft & hanger
- Optional external lever arm & weight assembly
- Bypass bosses and ½" BSP air release as standard
- Robust low maintenance design
- Safety guards available
- Approvals: WRAS and NSF REG4

BENEFITS

- Innovative design
- Robust design
- Built for reliability
- Corrosion resistant



SCAN TO SHOP ONLINE

WATERWORKS VALVES - 9



NON RETURN VALVE

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	12	TTF/NRV50	
DN80	20	TTF/NRV80	
DN100	26	TTF/NRV100	
DN150	50	TTF/NRV150	
DN200	96	TTF/NRV200	
DN250	155	TTF/NRV250	
DN300	215	TTF/NRV300	

DN: Nominal Diameter.



NON RETURN VALVE WITH LEVER WEIGHT

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	15	TTF/NRV50LW	
DN65	20	TTF/NRV65LW	
DN80	22	TTF/NRV80LW	
DN100	28	TTF/NRV100LW	
DN125	41	TTF/NRV125LW	
DN150	52	TTF/NRV150LW	
DN200	98	TTF/NRV200LW	
DN250	163	TTF/NRV250LW	
DN300	223	TTF/NRV300LW	

DN: Nominal Diameter.



SAFETY GUARD

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50 to DN100	6	TTF/GUARD80/100	
DN125 to DN200	8	TTF/GUARD150/200	
DN250 to DN300	15	TTF/GUARD250/300	

DN: Nominal Diameter.

Same day dispatch. Lead time may apply.

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METAL SEAT SWING CHECK VALVE DRILLED BS10 D/E



Metal seat swing check valve used to prevent reverse flow. Suitable for potable water, wastewater and sewage applications.

TECHNICAL SPECIFICATION

- Standard: BS EN1074 pt 3: 2000, BS EN122341: 2001 & BS 5153:1974
- Range: DN80 - DN300
- Flanges & drillings: 10 table D/E
- Face to face dimensions: BS EN 558-1:1986 table 10, basic series 10
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Suitable for horizontal & vertical installation
- Positive hexagon drive between shaft & hanger
- External lever arm & weight assembly
- Bypass bosses and 1/2" BSP air release as standard
- Robust low maintenance design
- Safety guards available
- Approvals: WRAS and NSF REG4

BENEFITS

- Designed in the UK
- Highly adaptable design
- Easy to install
- Built for reliability
- Corrosion resistant



SCAN TO SHOP ONLINE

NON RETURN VALVE IMPERIAL DRILLINGS

VALVE TYPE	WEIGHT kg	BS10 TABLE	CODE	DELIVERY STATUS
DN80	22	D/E	TTF/NRV80/SPEC	
DN100	28	D	TTF/NRV100/SPEC	
DN150	52	E	TTF/NRV150/SPEC	
DN200	98	E	TTF/NRV200/SPEC	
DN250	163	D	TTF/NRV250/SPEC	
DN300	223	E	TTF/NRV300/SPEC	

DN: Nominal Diameter.

NON RETURN VALVE GUARD

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN80 - DN100	6	TTF/GUARD80/100	
DN150 - DN200	8	TTF/GUARD150/200	
DN250 - DN300	15	TTF/GUARD250/300	

DN: Nominal Diameter.

METAL SEAT SWING CHECK VALVE PN16



WATERWORKS VALVES - 9

Metal seat swing check valve used to prevent reverse flow. Suitable for potable water, wastewater and sewage applications.

FEATURES

- Unique lightweight ductile iron design
- Durable fusion bonded epoxy coated
- Suitable for horizontal & vertical installation
- Positive drive between shaft & hanger
- Guarded external lever arm & weight assembly as standard
- 1/2" BSP air release as standard

TECHNICAL SPECIFICATION

- Standard: BS EN1074 pt 3: 2000, BS EN12234: 2001 & BS 5153: 1974
- Range: DN350 - DN1200
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Hydrostatic pressure tests: Seat - 1.1 x PN (17.6 bar) Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 70°C, insulate at 0°C and below

- Maximum working pressure: 16 bar
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

BENEFITS

- Innovative design
- Robust design
- Built for reliability
- Corrosion resistant



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN350	320	TTF/NRV350LW	
DN400	440	TTF/NRV400LW	
DN450	580	TTF/NRV450LW	
DN500	700	TTF/NRV500LW	
DN600	930	TTF/NRV600LW	
DN700*	1500	TTF/NRV700LW	
DN800*	2050	TTF/NRV800LW	
DN900*	2600	TTF/NRV900LW	
DN1000*	3200	TTF/NRV1000LW	
DN1200*	4200	TTF/NRV1200LW	



DN: Nominal Diameter.

Please note: *Not WRAS approved but WRAS listed materials

RECOIL CHECK VALVE



This single door non-slam recoil swing check valve is suited to systems in which rapid flow reversal exists. Suitable for potable and waste water applications.

FEATURES

- Angled seat for rapid closure
- Robust compact ductile iron design
- Inspection cover
- By-pass, flow sensing switch and multi door options on request
- Gunmetal seats
- Stainless steel shaft
- Larger sizes available on request
- WRAS listed materials

TECHNICAL SPECIFICATION

- Standard: BS EN12234
- Range: DN50 - DN600
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests: Seat - 1.1 x PN (17.6 bar) Body - 1.5 x PN (24.0 bar)

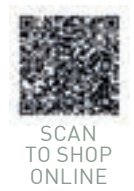
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

BENEFITS

- Excellent performance
- Robust design
- Built for reliability



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	20	TTF/RCV50	
DN80	40	TTF/RCV80	
DN100	50	TTF/RCV100	
DN150	115	TTF/RCV150	
DN200	135	TTF/RCV200	
DN250	230	TTF/RCV250	
DN300	320	TTF/RCV300	
DN350	420	TTF/RCV350	
DN400	590	TTF/RCV400	
DN450	800	TTF/RCV450	
DN500	1020	TTF/RCV500	
DN600	1270	TTF/RCV600	



DN: Nominal Diameter.

Please note: Additional information required / bespoke built item, contact us for more information



The Ballbrake is a self-acting ball check valve rated to 10 bar, suitable for water and wastewater applications to 60°C. Available in two variants; either with a sinking ball or a floating ball on request. The full-bore body and smooth internal profile ensures low pressure loss and reduces the risk of material deposits.

TECHNICAL SPECIFICATION

- Certified to EN12050-4
- Pressure rating: 10 bar
- DN25 to DN65: BSP female threaded connections
- DN80 to DN200: Flanged BS EN 1092-2 table 8 (PN10)

FEATURES

- Self-cleaning
- Epoxy coated iron, full-bore body
- Nitrile encapsulated ball

BENEFITS

- Designed in the UK
- Independently certified performance
- Robust compact design
- Built for reliability



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN25 SINKING	3	TTF/BCV25S	
DN32 SINKING	4	TTF/BCV32S	
DN40 SINKING	4	TTF/BCV40S	
DN50 SINKING	5	TTF/BCV50S	
DN65 SINKING	8	TTF/BCV65S	
DN80 SINKING	20	TTF/BCV80S	
DN100 SINKING	29	TTF/BCV100S	
DN150 SINKING	59	TTF/BCV150S	
DN200 SINKING	109	TTF/BCV200S	

DN: Nominal Diameter.

Please note: Other sizes available on request.



SCAN TO SHOP ONLINE

PENSTOCK



Bi-directional Penstock fabricated in AISI304 stainless steel, flush invert, non-rising stem and suitable for 6 MWC.

FEATURES

- Bi-directional with resilient sealing to all sides
- Fabricated in stainless steel to EN10088 1.4201 (304) or 1.4401 (316) with complementing fasteners
- Non-rising rolled stainless steel spindle, rising spindle on request
- Self-cleaning high-density polyethylene gate guides for reduced friction
- Self-adjusting EPDM seals for optimal sealing performance
- Seating pressure: 6MwC on/off seat

BENEFITS

- Designed and manufactured in the UK
- Lightweight design
- Excellent performance
- Corrosion resistant



VALVE TYPE	WEIGHT kg	APERTURE	CODE	DELIVERY STATUS
100 x 100	7.5	SQUARE	TTF/PSTK304100	
150 x 150	16	SQUARE	TTF/PSTK304150	
225 x 225	20	SQUARE	TTF/PSTK304225	
300 x 300	25	SQUARE	TTF/PSTK304300	
Ø150	16	ROUND	TTF/PSTK304150R	

Please note: Other sizes available on request.



SCAN TO SHOP ONLINE

TWIN PLATE CHECK VALVE



Double plate check valve used to prevent reverse flow rated to 16 bar. Suitable for clean water applications up to 100°C.

MATERIALS

- Body: Cast iron EN-GJL-250
- Plates: Stainless steel AISI 304
- Seal: EPDM
- Spring: Stainless steel AISI 316
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Minimum head loss
- Stainless steel plates / spring
- Compact robust design
- Install between PN6/10/16 flanges
- On request: Larger sizes, Viton® seat, stainless steel body, rated 25 bar or - WRAS approved

BENEFITS

- Light weight design
- Easy to install
- Good reliability
- Corrosion resistant



WATERWORKS VALVES - 9

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	1	TTF/WCV50	
DN65	2	TTF/WCV65	
DN80	3	TTF/WCV80	
DN100	4	TTF/WCV100	
DN125	6	TTF/WCV125	
DN150	8	TTF/WCV150	
DN200	14	TTF/WCV200	
DN250	22	TTF/WCV250	
DN300	34	TTF/WCV300	

DN: Nominal Diameter.



DOUBLE HINGE FLAP VALVE



Metal seat double hinge flap valve with circular aperture to prevent reverse flow in outfall applications. Typically utilised in river, surface / storm water and treatment works outfalls.

TECHNICAL SPECIFICATION

- Range: DN80 - DN600
- Drillings: BS EN 1092-2:1987 table 9 (PN16). *BS10 table D
- Maximum working pressure: 6.0 metres static on-seat head
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Double hinge for optimal sealing
- Durable fusion bonded epoxy coated
- Anti-tamper stainless steel hinge pins
- Bushed hinge links
- Corrosion resistant construction

- Lifting eye as standard
- Drilled to suit flange & wall mounting
- WRAS listed materials

BENEFITS

- Designed in the UK
- Lightweight
- Robust construction



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN80	5	TTF/DHFV080	
DN100	6	TTF/DHFV100	
DN150	11	TTF/DHFV150	
DN200	16	TTF/DHFV200	
DN225*	20	TTF/DHFV225	
DN250	23	TTF/DHFV250	
DN300	32	TTF/DHFV300	
DN350/375*	34	TTF/DHFV350	
DN400	49	TTF/DHFV400	
DN450	56	TTF/DHFV450	
DN500	68	TTF/DHFV500	
DN600	93	TTF/DHFV600	

DN: Nominal Diameter.





The Floaway® anti-flood valve is a simple yet effective backflow prevention valve for use within both domestic and commercial sewage and wastewater drainage network applications.

The Floaway® is an inline self-acting device with a manual lockable door. The design of the valve incorporates smooth walls with rounded corners to prevent solids from accumulating and to avoid septic odour.

There is also a Floaway® anti-flood valve with double flap now available, featuring a double self-acting flap (one lockable) reinforced with stainless steel.

TECHNICAL SPECIFICATION

- European standard EN13564-1:2002
- Conforms to building regulation part h1 section 2.8 - 2.12

FEATURES

- Manual lockable door
- Lightweight and robust PVC body
- Stainless steel internal flap
- Large inspection cover
- Easy installation

BENEFITS

- Lightweight design
- Corrosion resistant
- Trouble free
- Easy to install



SCAN
TO SHOP
ONLINE

VALVE TYPE	OUTLET mm	WEIGHT kg	CODE	DELIVERY STATUS
ET110	110	1.9	TTF/ABS110NRV	
ET160	160	1.9	TTF/ABS160NRV	
ET110 DOUBLE	110	2	TTF/ABS110NRVDD	

COMPACT WASTEWATER AIR VALVE

A compact double orifice air valve with three functions:

- Efficient release of gas to prevent pressure build-up
- Ingress of gas to prevent vacuum in the pipe system
- Controlled bleed of gas to maintain system stability

Suitable for wastewater and sewage applications.

TECHNICAL SPECIFICATION

- Inlet: 2" BSP
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 60°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

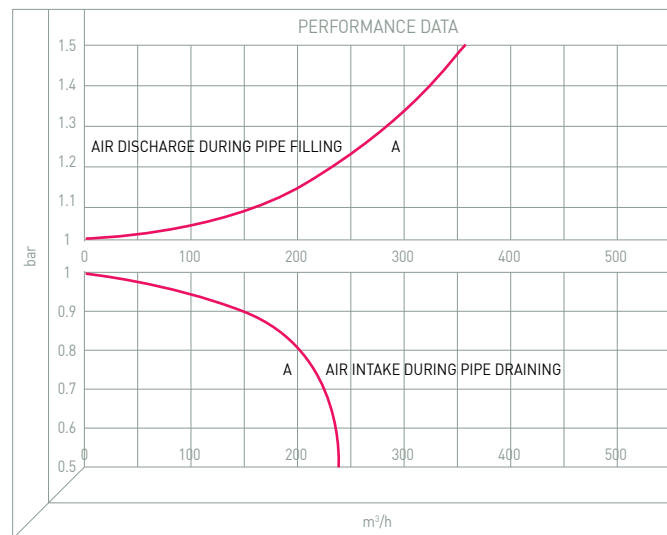
- Directly acting stainless steel float
- Excellent outflow performance
- Sloped float chamber
- Corrosion resistant construction
- Tapped cowl for piped outflow
- Drainage valve as standard
- Robust low maintenance design
- Also available in stainless steel

BENEFITS

- Innovative design
- Compact and lightweight design
- Excellent performance
- Corrosion resistant

OPTIONS

- Isolating gate valve (recommended)
- Anti shock system to prevent water hammer
- Flanged inlet
- Rapid fill protection



VALVE TYPE	CURVE	WEIGHT kg	CODE	DELIVERY STATUS
2" BSP PN16	A \	10.5	TTF/AV25	



SCAN TO SHOP ONLINE

WASTEWATER AIR VALVE

B

A double orifice air valve with four functions:

- Efficient release of gas to prevent pressure build-up
- Ingress of gas to prevent vacuum in the pipe system
- Controlled bleed of gas to maintain system stability
- Rapid fill technology to avoid slam

Suitable for wastewater & sewage applications.

TECHNICAL SPECIFICATION

- Range: DN50 - DN200
- Flanges & drillings: BS EN1092-2 1987 table 9 (PN16)
- Maximum working pressure: 16 bar
- Hydrostatic pressure tests:
 - Seat - 1.1 x PN (17.6 bar)
 - Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 60°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

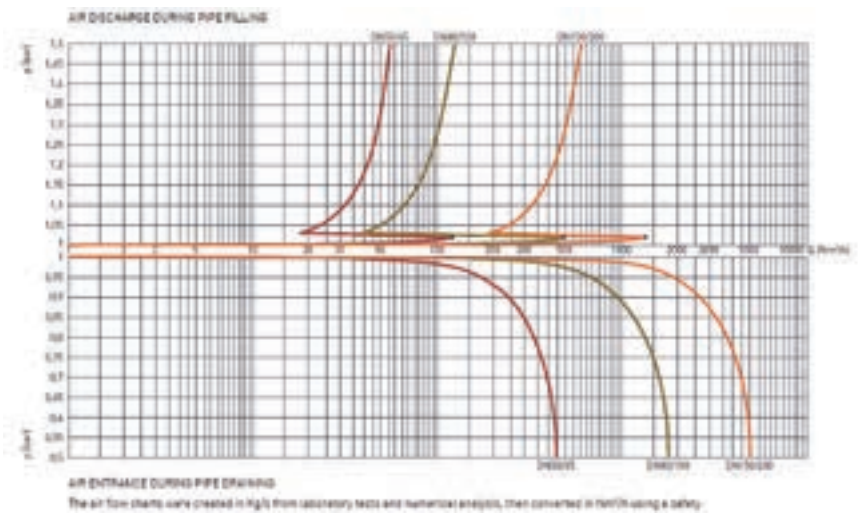
- Unique lightweight ductile iron design
- Directly acting float mechanism
- Corrosion resistant construction
- Drainage valve as standard
- Robust low maintenance design
- Large sloped float chamber
- Also available in stainless steel
- Tapped cowl available for piped outflow

BENEFITS

- Innovative design
- Robust design
- Excellent performance
- Corrosion resistant

OPTIONS

- Isolating gate valve (recommended)



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	29	TTF/AV50RFP	●
DN80/100	40	TTF/AV80RFP	🚚
DN150	78	TTF/AV150RFP	●
DN200	82	TTF/AV200RFP	●

DN: Nominal Diameter.



SCAN TO SHOP ONLINE

aqua brake mini

CLEAN WATER AIR VALVE ONE FUNCTION

B

WATERWORKS VALVES - 9

Single small orifice air valve for efficient air release. Automatically releases air pockets accumulated at critical points of pressurised pipelines, such as high points and changes in slope, while avoiding unwanted head loss and reduction in flow through the system. Suitable for potable and filtered water applications.

TECHNICAL SPECIFICATION

- Standard: BSP EN 1074-4
- Inlet: 1" BSP (female threaded)
- Maximum working pressure: 16 bar (25/40 bar on request)
- Minimum working pressure: 0.1 bar
- Temperature range: -10°C to 60°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

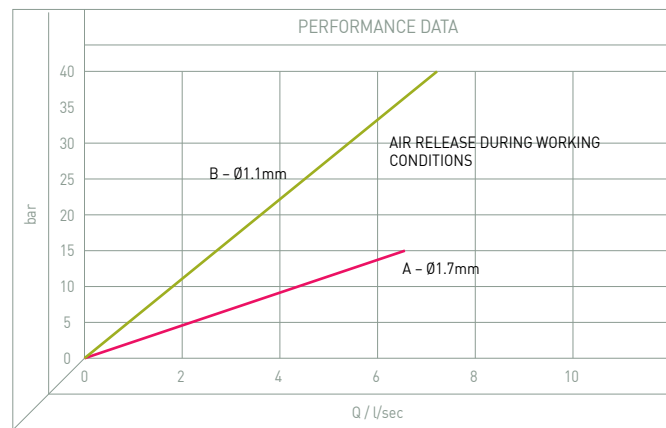
- Stainless steel float
- Lightweight ductile iron construction
- Stainless steel fasteners
- Seat over compression protection
- WRAS listed materials

BENEFITS

- Compact design
- Reliable operation
- Excellent performance
- Corrosion resistant

OPTIONS

- Isolating valve (recommended)
- Flanged inlet
- 25 bar and 40 bar variants available
- Reinforced stainless steel float



VALVE TYPE	CURVE	WEIGHT kg	CODE	DELIVERY STATUS
1" BSP PN16	A \	2.8	TTF/AV1F25	
1" BSP PN40	B \	2.8	-	



SCAN TO SHOP ONLINE





ANTI-SURGE CLEAN WATER AIR VALVE



Lightweight single chamber double orifice air valve with four functions:

- Efficient release of gas to prevent pressure build-up
- Ingress of gas to prevent vacuum in the pipe system
- Controlled bleed of gas to maintain stability
- Rapid fill technology to avoid slam

Suitable for potable and filtered water applications.

TECHNICAL SPECIFICATION

- Standard: BS EN 1074-4
- Inlet: 1" BSP to DN300
- Maximum working pressure: 16 bar (25 & 40 bar on request)
- Minimum working pressure: 0.2 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN (17.6 bar)
Body - 1.5 x PN (24.0 bar)
- Temperature range: -10°C to 60°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

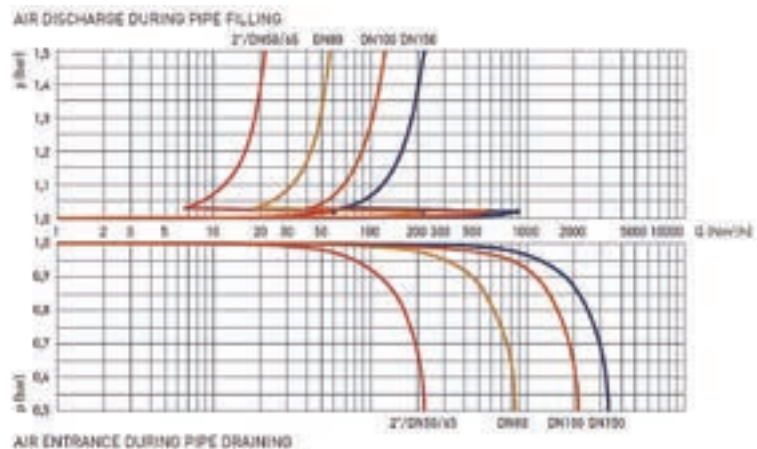
- Directly acting float mechanism
- Lightweight compact single chamber design
- Patented small orifice configuration
- Excellent flow capacity
- Drain valve
- Corrosion resistant construction
- WRAS approved

BENEFITS

- Innovative design
- Robust design
- Excellent performance
- Corrosion resistant

OPTIONS

- Tapped cowl for submerged duty
- Discharge (exit only) kit
- Air entrance (ingress only) kit
- Anti shock system to prevent water hammer
- Isolation valve



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
1" BSP	3	TTF/AV3F25	
2" BSP	6	-	
DN50	9	TTF/AV3F50	
DN80	12	TTF/AV3F80	
DN100	20	TTF/AV3F100	
DN150	56	TTF/AV3F150	

DN: Nominal Diameter.



SCAN TO SHOP ONLINE



Please note: Additional information required / bespoke built item, contact us for more information

Waterworks Valves

Air Valves



ANTI SLAM CLEAN WATER AIR VALVE



WATERWORKS VALVES - 9

Saferise® is a double orifice air valve with an integral engineered surge anticipation and alleviation mechanism. It is designed to overcome potentially damaging effects of hydraulic surges associated with water boosting systems in high-rise buildings, vacuum prevention on pump failure and column separation. Saferise® allows the efficient intake of bulk air during the draining cycle while accurately controlling the discharge speed during the charging cycle.

TECHNICAL SPECIFICATION

- Standard: BSP EN 1074-4:2000
- Inlet: 1" BSP to DN200
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Alternatives: BS EN 1092-2:1987 table 10 (PN25) BS EN 1092-2:1987 table 11 (PN40)
- Maximum working pressure: 16 bar (25/40 bar on request)
- Minimum working pressure: 0.3 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN
Body - 1.5 x PN
- Temperature range: -10°C to 60°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

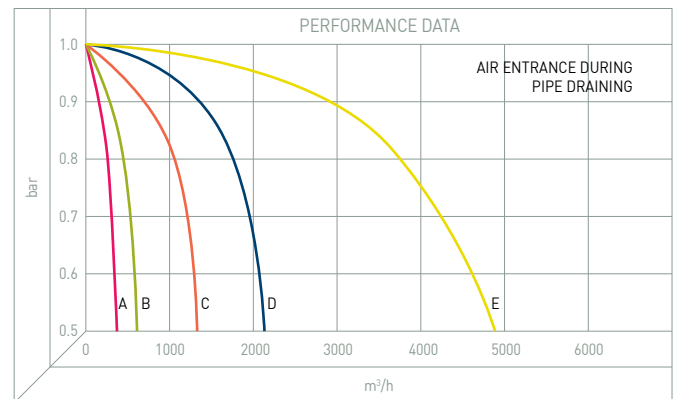
- Patented proven engineered design
- Metallic integral surge alleviation mechanism
- Directly-acting precision-machined solid floats
- Robust lightweight ductile iron body
- Corrosion resistant construction
- Excellent flow capacity
- WRAS approved

BENEFITS

- Innovative design
- Reliable design
- Excellent performance
- Quality engineered

OPTIONS

- Higher pressure version (PN25, PN40 & PN64)
- Insect mesh
- Associated components (isolation valve and filter)



VALVE TYPE	CURVE	WEIGHT kg	CODE	DELIVERY STATUS
1" BSP	-	4	TTF/AV3F25AS	
DN50	A \	9	TTF/AV3F50AS	
DN80	B \	13	TTF/AV3F80AS	
DN100	C \	22	TTF/AV3F100AS	
DN150	D \	60	TTF/AV3F150AS	
DN200	E \	60	TTF/AV3F200AS	

DN: Nominal Diameter.



SCAN TO SHOP ONLINE



Please note: Additional information required / bespoke built item, contact us for more information



Same day dispatch.



Lead time may apply.



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PLASTIC COMBINATION AIR VALVE

B

Combination, three function, automatic air valve for the efficient management of air in potable, irrigation and treated water applications.

- Efficient release of gas to prevent pressure build-up
- Ingress of gas to prevent vacuum as media leaves system
- Controlled bleed of gas to maintain system stability

TECHNICAL SPECIFICATION

- Standard: BS EN 1074-4
- Inlet: 1" BSP to 2" BSP
- Maximum working pressure: 16 bar
- Minimum working pressure: 0.2 bar
- Temperature range: 60°C maximum, insulate at 0°C and below

FEATURES

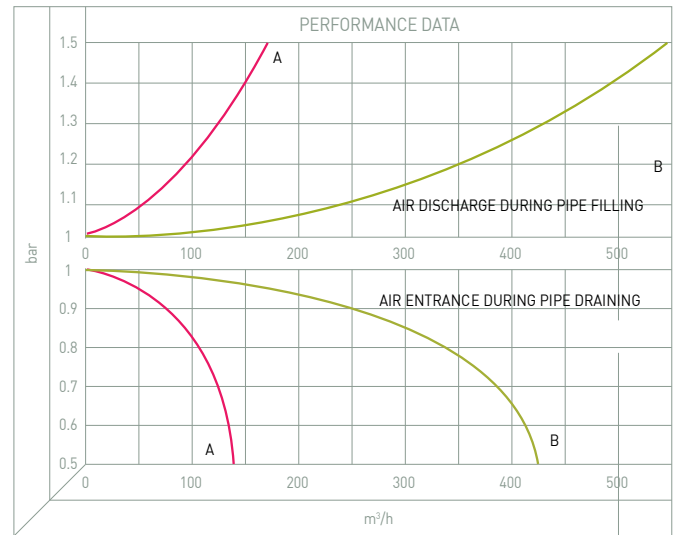
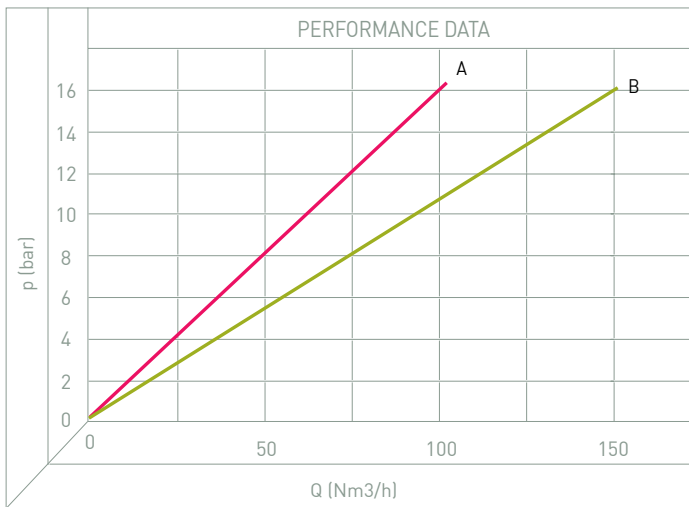
- Lightweight single chamber design with internal float guides
- Aerodynamic full-bore body prevents premature closure at higher air velocity
- Dynamic sealing prevents leakage under low pressure conditions
- Variants include; exit only, entrance only and anti-shock mechanism
- BSP male thread inlet connection
- Compact, corrosion resistant and low maintenance
- DM174 approval for potable water use

BENEFITS

- Innovative design
- Lightweight design
- Excellent performance
- Easy to use



AIR RELEASE DURING WORKING CONDITIONS



VALVE TYPE	CURVE	WEIGHT kg	CODE	DELIVERY STATUS
1"	A \	0.3	TTF/AV3F25P	
2"	B \	0.75	TTF/AV3F50P	



SCAN TO SHOP ONLINE

FAST ACTING RELIEF VALVE

This fast acting, surge prevention, pressure relief valve has been designed to avoid the damaging effects of water hammer in pipeline networks. It is designed to prevent pressure from rising above a pre-set value, through its capacity to discharge an excessive volume of water through its flanged outlet.

TECHNICAL SPECIFICATION

- Standard: EN 1074/5
- Inlet: ½" BSP to 1" BSP
- Inlet: DN50/65 to DN150
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Various spring ranges available
- Alternatives: BS EN 1092-2:1987 table 10 (PN25)
- Maximum working pressure: 25 bar
- Hydrostatic pressure tests:
Seat - 1.1 x PN
Body - 1.5 x PN
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Robust and compact design suitable for clean, treated and raw water and to reduce blow-back
- Negligible inertia of the internal moving parts ensuring the absence of friction and long lasting performance
- Perfect water tightness and excellent cavitation resistance and harsh working conditions due to floating obturator technology and the use of various gaskets and corrosion resistant stainless steel grades
- Fast and accurate response without any hysteresis effect thanks to high frequency annealed springs
- Wide selection of spring ranges available
- Flanged outlet which allows to direct the water outflow through a discharge pipe

BENEFITS

- Innovative design
- Excellent performance
- Corrosion resistant
- Robust design



PRESSURE RELIEF WITH THREADED CONNECTION



PRESSURE RELIEF WITH FLANGED OUTLET



SCAN TO SHOP ONLINE

VALVE TYPE	CODE	SETTING PRESSURE bar	WEIGHT kg	DELIVERY STATUS
DN ½"	TTF/FAR1408	1-8	2.3	●
DN ½"	TTF/FAR1416	2-16	2.3	●
DN ½"	TTF/FAR1424	4-24	2.3	●
DN1"	TTF/FAR2508	1-8	2.3	●
DN1"	TTF/FAR2516	2-16	2.3	●
DN1"	TTF/FAR2524	4-24	2.3	●
DN50/65	TTF/FAR0501608	1-8	20	●
DN50/65	TTF/FAR0501616	8-16	20	●
DN80	TTF/FAR0801608	1-8	36	●
DN80	TTF/FAR0801616	8-16	36	●
DN100	TTF/FAR1001608	1-8	41	●
DN100	TTF/FAR1001616	8-16	41	●
DN150	TTF/FAR1501608	1-8	111	●
DN150	TTF/FAR1501616	8-16	111	●

DN: Nominal Diameter.

PRESSURE REDUCING VALVE



An accurate and reliable directly-acting pressure reducing valve used to maintain a pre-set downstream pressure regardless of flow rate and upstream pressure fluctuations. Suitable for domestic, commercial and industrial applications involving potable water, oil or air.

MATERIALS

- Range: DN50 - DN150
- Adjustable downstream pressure: 1 1/2 - 6 bar, 5 - 12 bar or 12 - 24 bar
- Maximum upstream pressure: 40 bar
- Minimum dynamic differential pressure: 1 bar
- Flanged: EN1092 table (PN16)
- Face to face: EN5N558 series 1
- Maximum temperature: 70°C
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

- Hydrostatic pressure tests:
Seat - 1.1 x PN
Body - 1.5 x PN

FEATURES

- Patented self cleaning piston
- Proven engineered balanced design
- Robust ductile construction
- Stainless steel internal components
- Tapped upstream and downstream bosses
- WRAS approved

BENEFITS

- Innovative design
- Easy to adjust and maintain
- Excellent performance
- Corrosion resistant

OPTIONS

- Inline strainer
- Isolation valve
- Pressure gauge



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50 SPRING 1 1/2 - 6 BAR	12	TTF/PRV50/6	
DN65 SPRING 1 1/2 - 6 BAR	19	TTF/PRV65/6	
DN80 SPRING 1 1/2 - 6 BAR	24	TTF/PRV80/6	
DN100 SPRING 1 1/2 - 6 BAR	34	TTF/PRV100/6	
DN125 SPRING 1 1/2 - 6 BAR	56	TTF/PRV125/6	
DN150 SPRING 1 1/2 - 6 BAR	74	TTF/PRV150/6	



SCAN
TO SHOP
ONLINE

DN: Nominal Diameter.

EQUILIBRIUM BALL FLOAT VALVE



Equilibrium ball float valve with multiple discharge ports used to automatically regulate and control the filling of tanks and reservoirs to a predetermined level. Suitable for clean and potable water duties.

TECHNICAL SPECIFICATION

- Range: DN50 - DN300
- Flanges & drillings: BS EN 1092-2:1987 table 9 (PN16)
- Maximum working pressure: 16 bar
- Temperature range: -10°C to 70°C, insulate at 0°C and below
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Unique lightweight ductile iron design
- Balanced seat for optimal efficiency
- Versatile T-ported flanged body
- Stainless steel internals and float for corrosion resistance
- Long float arm for accurate and reliable operation
- Float arm can be off-set by 45° as to avoid obstacles
- WRAS approved

BENEFITS

- Innovative design
- Excellent performance
- Corrosion resistant
- Robust design

OPTIONS

- Alternative internal materials
- Anti-freezing device
- Alternative flange drillings



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
DN50	21	TTF/FV50	
DN65	36	TTF/FV65	
DN80	33	TTF/FV80	
DN100	41	TTF/FV100	
DN125	49	TTF/FV125	
DN150	79	TTF/FV150	
DN200	118	TTF/FV200	
DN250	138	TTF/FV250	
DN300	250	TTF/FV300	



SCAN
TO SHOP
ONLINE

DN: Nominal Diameter.

Waterworks Valves

Brass Valves



BRASS GATE VALVE

Metal seat wedge gate valve used for pipeline isolation. Suitable for non-aggressive, non-corrosive and non-abrasive media up to 100°C.

MATERIALS

- Body: Brass CW617N / CC754S
- Bonnet: Brass CW617N
- Wedge: Brass CW617N
- Hexagonal nut: Brass CW614N
- Stem: Brass CW614N
- Bonnet washer: Fibre
- Stem seal: EPDM

FEATURES

- Threaded female BSP parallel
- Solid wedge design
- Non-rising stem
- 100% full bore
- Screwed bonnet
- Handwheel operated

BENEFITS

- Lightweight design
- Easy to install
- Easy to operate



WATERWORKS VALVES - 9

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
1/2" BSP PN16	0.20	VI/156/14	
3/4" BSP PN16	0.28	VI/156/20	
1" BSP PN16	0.42	VI/156/25	
1 1/4" BSP PN16	0.60	VI/156/32	
1 1/2" BSP PN16	0.76	VI/156/40	
2" BSP PN16	1.23	VI/156/50	
2 1/2" BSP PN16	1.97	VI/156/65	
3" BSP PN16	2.56	VI/156/80	
4" BSP PN16	4.62	VI/156/100	



SCAN TO SHOP ONLINE

BRASS BALL VALVE

Two piece ball valve with PTFE seat used for pipeline isolation. Suitable for many industrial and domestic applications up to 150°C.

MATERIALS

- Body: Nickel plated brass CW17N
- Ball: Chrome plated brass CW617N
- Stem: Chrome plated brass CW614N
- Seal: PTFE
- Washers: NBR

FEATURES

- Threaded female BSP parallel
- Anti-blow out stem design
- Chrome plated brass ball
- 'Bubble-tight' seal
- 100% full bore
- Durable PTFE seat
- Lever operated

BENEFITS

- Excellent performance
- Corrosion resistant
- Easy to install
- Easy to operate



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
1/2" BSP PN40	0.178	VI/90-14	
3/4" BSP PN40	0.296	VI/90-20	
1" BSP PN40	0.423	VI/90-25	
1 1/4" BSP PN30	0.664	VI/90-32	
1 1/2" BSP PN30	0.983	VI/90-40	
2" BSP PN25	1.58	VI/90-50	
2 1/2" BSP PN18	3.5	VI/90-65	
3" BSP PN16	5.45	VI/90-80	
4" BSP PN14	8.775	VI/90-100	



SCAN TO SHOP ONLINE

Same day dispatch. Lead time may apply.

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BRASS SPRING CHECK VALVE

B

Two piece spring return check valve used to prevent reverse flow. Suitable for many industrial and domestic applications up to 100°C.

MATERIALS

- Body: Copper alloy CW617N
- Seat: NBR
- Seal assembly: Nylon 6
- Spring: Stainless steel AISI 302

FEATURES

- Threaded BSP parallel
- Spring assisted
- Resilient seat
- Optional stainless steel strainer
- Suitable for both horizontal and vertical installation

BENEFITS

- Lightweight
- Reliable performance
- Corrosion resistant
- Easy to install



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
1/2" BSP PN12	0.137	VI/103-14	
3/4" BSP PN12	0.21	VI/103-20	
1" BSP PN12	0.28	VI/103-25	
1 1/4" BSP PN10	0.407	VI/103-32	
1 1/2" BSP PN10	0.608	VI/103-40	
2" BSP PN10	0.845	VI/103-50	
2 1/2" BSP PN8	1.404	VI/103-65	
3" BSP PN8	2.1	VI/103-80	
4" BSP PN8	2.5	VI/103-100	



SCAN TO SHOP ONLINE

BRASS SPRING CHECK VALVE C/W STRAINER

B

Two piece spring check valve used to prevent reverse flow. Strainer fitted to minimise debris entering the pipe system. Suitable for many industrial and domestic applications up to 100°C.

MATERIALS

- Body: Copper alloy CW617N
- Seat: NBR
- Seal assembly: Nylon 6
- Spring: Stainless steel AISI 302
- Strainer: Stainless steel AISI 302

FEATURES

- Threaded BSP parallel
- Spring assisted
- Resilient seat
- Stainless steel strainer
- Suitable for both horizontal and vertical installation

BENEFITS

- Lightweight
- Reliable performance
- Corrosion resistant
- Easy to install



VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
1/2" BSP PN12	0.096	VI/108-14	
3/4" BSP PN12	0.141	VI/108-20	
1" BSP PN12	0.205	VI/108-25	
1 1/4" BSP PN10	0.301	VI/108-32	
1 1/2" BSP PN10	0.444	VI/1083-40	
2" BSP PN10	0.625	VI/108-50	
2 1/2" BSP PN8	1.1	VI/108-65	
3" BSP PN8	1.65	VI/108-80	
4" BSP PN8	2.465	VI/108-100	



SCAN TO SHOP ONLINE

BRASS SWING CHECK VALVE

B

Swing check valve used to prevent reverse flow. Suitable for many industrial and domestic applications up to 100°C.

MATERIALS

- Body: Brass CW617N
- Inspection cover: Brass CW617N
- Disc: Brass CW617N
- Washers: Fibre

FEATURES

- Screwed female BSP parallel
- Metal seat
- Screwed inspection cover
- Free hanging disc
- Suitable for both horizontal and vertical installation

BENEFITS

- Lightweight
- Reliable performance
- Corrosion resistant
- Easy to install



WATERWORKS VALVES - 9



SCAN TO SHOP ONLINE

VALVE TYPE	WEIGHT kg	CODE	DELIVERY STATUS
1/2" BSP PN12	0.171	VI/130-14	
3/4" BSP PN12	0.272	VI/130-20	
1" BSP PN12	0.416	VI/130-25	
1 1/4" BSP PN10	0.632	VI/130-32	
1 1/2" BSP PN10	0.804	VI/130-40	
2" BSP PN10	1.124	VI/130-50	
2 1/2" BSP PN8	2.02	VI/130-65	
3" BSP PN8	2.87	VI/130-80	
4" BSP PN8	5.3	VI/130-100	

BEVEL GEARBOX (SMALL)

B

Reliable reduction bevel gearbox designed for long-life operation. Prepared to suit non-rising multi-turn valves such as gate, globe or penstock valves.

TECHNICAL SPECIFICATION

- Torque range 360 to 700Nm (265 to 545 lbf)
- Output configuration: ISO5210
- Ingress protection: IP65
- Maximum temperature: 120
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Proven engineered design
- Gears supported by tapered roller bearings
- Removable pinion shaft
- Grease filled for long-life
- Range of gearing ratios
- Robust ductile iron housing
- Operation: handwheel or tapered cap

BENEFITS

- Designed for reliability and long life
- Corrosion resistant construction
- Robust design
- Compact and lightweight

OPTIONS

- BS5163 tapered stem cap
- Handwheel (lockable on request)
- Chainwheel



GEARBOX TYPE	RATIO	WEIGHT kg	CODE	DELIVERY STATUS
GBF10	2:1	6.5	TTF/GBF10	
GBF14	3:1	24	TTF/GBF14	



SCAN TO SHOP ONLINE

BEVEL GEARBOX (MEDIUM)

B

Reliable reduction bevel gearbox designed for long-life operation that can be manually operated or motor driven. Prepared to suit non-rising multi-turn valves such as gate, globe or penstock valves.

TECHNICAL SPECIFICATION

- Maximum output torque: 3200Nm
- Input & output configuration: ISO5210
- Ingress protection: IP67
- Maximum temperature: 120°C
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Proven engineered design
- Gears supported by tapered roller bearings
- Removable pinion shaft
- Grease filled for long life
- Range of gearing ratios
- Robust ductile iron housing
- Input prepared for actuation

BENEFITS

- Designed for reliability and long life
- Corrosion resistant construction
- Easy to actuate
- Robust design

OPTIONS

- Acceptance of rising spindle and stem protection tube
- BS5163 tapered stem cap
- Handwheel (lockable on request)
- Electrical actuation
- IP68 on request
- Secondary reversing spur gearbox



GEARBOX TYPE	RATIO	WEIGHT kg	CODE	DELIVERY STATUS
GBF16	4:1	52	TTF/GBF16	
GBF25	4:1	103	TTF/GBF25	



SCAN TO SHOP ONLINE

SPUR GEARBOX

B

Reliable reduction spur gearbox designed for long-life operation that can be either operated manually or motor driven. Prepared to suit non-rising multi-turn valves such as gate, globe or penstock valves.

TECHNICAL SPECIFICATION

- Maximum output torque: 7200Mm
- Input & output configuration: ISO5210
- Ingress protection: IP67
- Spring: Stainless steel AISI 302
- Maximum temperature: 120°C
- Coating: Blue fusion bonded epoxy (>300µ and WRAS listed)

FEATURES

- Proven engineered design
- Gears supported by tapered roller bearings
- Removable pinion shaft
- Grease filled for long life
- Range of gearing ratios
- Robust ductile iron housing
- Input prepared for actuation

OPTIONS

- BS5163 tapered stem cap
- Handwheel (lockable on request)
- Electrical actuation
- IP68 on request
- Secondary reversing spur gearbox



WATERWORKS VALVES - 9

GEARBOX TYPE	CODE	RATIO	WEIGHT kg	DELIVERY STATUS
SGB1 F14/F10	TTF/SGB1	4:1	22	🕒
SGB2 F16/F10	TTF/SGB2	8:1	32	🕒
SGB2 F16/F14	TTF/GBSF16	4:1	32	●
SGB3 F25/F10	TTF/SGB3	16:1	86	🕒
SGB3 F25/F14	TTF/SGB3	8:1	86	🕒
SGB3 F25/F14	TTF/GBSF25	4:1	86	●
SGB4 F30/F14	TTF/SGB4	16:1	122	🕒
SGB4 F30/F14	TTF/SGB4	8:1	120	🕒
SGB1 F40/F14	TTF/SGB5	16:1	265	🕒
SGB1 F40/F16	TTF/SGB5	8:1	260	🕒



SCAN TO SHOP ONLINE



Please note: Additional information required / bespoke built item, contact us for more information

REVERSING SPUR GEARBOX

B

Reliable reversing reduction spur gearbox designed for long-life operation that can be either operated manually or motor driven. Engineered to reverse the output direction regardless of the input direction. Prepared to suit non-rising multi-turn valves such as gate, globe or penstock valves.

TECHNICAL SPECIFICATION

- Maximum output torque: 1900Nm
- Input & output configuration: ISO5210
- Ingress protection: IP67
- Maximum temperature: 120°C

FEATURES

- Proven engineered design
- Gears supported by tapered roller bearings
- Removable pinion shaft
- Grease filled for long life
- Range of gearing ratios
- Robust ductile iron housing
- Input prepared for actuation

OPTIONS

- BS5163 tapered stem cap
- Handwheel (lockable on request)
- Electrical actuation
- IP68 on request



GEARBOX TYPE	CODE	RATIO	WEIGHT kg	DELIVERY STATUS
RGB F14/F14	TTF/GBRSF14	2:1	11	●
RGB F16/F14	TTF/GBRSF16	4:1	22	●
RGB F25/F14	TTF/GBRSF25	4:1	50	●



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Same day dispatch.



Lead time may apply.



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VALVE OPERATING EQUIPMENT



SIZE mm	EXTENSION SPINDLE DN50 - DN300	EXTENSION SPINDLE DN350 - DN600	T-KEY DN50 - DN300	T-KEY DN350 - DN600
300 - 1000mm (ONE PIECE)	TTF/EXT1000 4kg ●	TTF/EXT1000-L 7kg ●	TTF/TEE-KEYX1M 	TTF/TEE-KEYX1M-L
1001 - 2000mm (ONE PIECE)	TTF/EXT2000 6.5kg ●	TTF/EXT2000-L 9.5kg ●	ON REQUEST	ON REQUEST
2001 - 3000mm (ONE PIECE)	TTF/EXT3000 9kg ●	TTF/EXT3000-L 12kg ●	-	-
3001 - 4000mm (TWO PIECE)	TTF/EXT4000 12kg ●	TTF/EXT4000-L 15kg ●	-	-
4001 - 5000mm (TWO PIECE)	TTF/EXT5000 14.5kg ●	TTF/EXT5000-L 17.5kg ●	-	-
5001 - 6000mm (TWO PIECE)	TTF/EXT6000 17kg ●	TTF/EXT6000-L 20kg ●	-	-
EXTRA FOR HANDWHEEL	10kg ●	(UP TO) 10kg ●	-	-
UNIVERSAL JOINTS (PAIR)	TTF/UNIJOINT26 & AQ/GAITER35 1kg ●	TTF/UNIJOINT26 & TTF/GAITER35 1kg ●	-	-

Please note: Larger sizes available on request.

VALVE OPERATING EQUIPMENT























SIZE mm	ADJUSTABLE OUTREACH SUPPORT BRACKET	VERTICAL OUTREACH BRACKET	FLOOR MOUNTED PEDESTAL	SURFACE BOX
80 - 300mm	TTF/OR80-300 2.5kg 	-	-	-
80 - 700mm	TTF/OR80-700 3kg 	-	-	-
800mm C/W F10 PAD	-	-	TTF/HEADSTOCK 12kg 	-
800mm C/W F14 PAD	-	-	TTF/HEADSTOCKF14 12kg 	-
150 - 150mm	-	-	-	ZU/150X150X104
500mm	-	TTF/ORV500 	-	-
1000mm	-	TTF/ORV1000 	-	-

DUCTILE IRON PIPES AND FITTINGS

B

We supply a range of ductile iron pipes and fittings for both potable and wastewater from DN80 to DN2000. Below is a summary of popular double-flanged wastewater fittings to EN598 and flanged to EN1092 Table 9 (PN16). Please enquire with our sales department for larger sizes and custom solutions.

SIZE mm	FABRICATE PIPE	90° SHORT RADIUS BEND	90° LONG RADIUS BEND	DUCKFOOT BEND	EQUAL TEE	RADIAL TEE
						
DN80	●	ZU/90LRBX80 	ZU/90LRX80 	ZU/90SRDFBX80 	ZU/TX80 	ZU/RTX80 
DN100	●	ZU/90SRBX100 	ZU/90LRBX100 	ZU/90SRDFBX100 	ZU/TX100 	ZU/RTX100 
DN150	●	ZU/90SRBX150 	ZU/90LRBX150 	ZU/90SRDFBX150 ●	ZU/TX150 	ZU/RTX150 
DN200	-	-	-	-	-	-
DN250	-	-	-	-	-	-
DN300	-	-	-	-	-	-
DN80/100	-	-	-	-	-	-
DN100/150	-	-	-	-	-	-

Please note: Larger sizes available on request.

DUCTILE IRON PIPES AND FITTINGS

B

WATERWORKS VALVES - 9

SIZE mm	CONCENTRIC TAPER	ECCENTRIC (FLAT) TAPER	STRAIGHT COUPLING	FLANGE ADAPTOR	JOINT SET (GMS)
					
DN80	-	-	ZU/VJC80 	ZU/VJFA-80XNP16 	TT/80JSMSG 
DN100	-	-	ZU/VJC118 	ZU/VJFA-118XNP16 	TT/100JSMSG 
DN150	-	-	ZU/VJC150 	ZU/VJFA-150XNP16 	TT/150JSMSG 
DN200	-	-	-	-	TT/200JSMSG 
DN250	-	-	-	-	TT/250JSMSG 
DN300	-	-	-	-	TT/300JSMSG 
DN80/100	ZU/DFT100X80 	ZU/F100080DFFTC 	-	-	-
DN100/150	ZU/DFT150X100 	ZU/F150100DFFTC 	-	-	-

SECTION 10 CONTROL SYSTEMS



FLOAT SWITCH - ECONOMY

B

ECONOMY FLO103 DIFFERENTIAL FLOAT SWITCH

The FLO103 is our economy option float switch, ideal for general purpose use. Constructed from a polypropylene housing moulded to a 3 core synthetic rubber cable, containing an internal micro switch and rolling ball operator.



FEATURES

- Durable polypropylene construction
- Tested and certified to withstand over 3 bar pressures
- Change over switch suitable for both filling and emptying use or alarm applications

BENEFITS

- Simple cost effective level control
- Suitable for both filling and emptying applications
- Easy to maintain
- Built for reliability
- Robust build
- Rubber cable resistant to hydrocarbons

PUMP TYPE	CODE	PACKAGING DIMENSIONS h x w x d mm	WEIGHT kg	DELIVERY STATUS
ECONOMY FLO103 FLOAT SWITCH 10m CABLE	TTC/FLO103-10M	300 x 300 x 100	1.50 ± 5%	
ECONOMY FLO103 FLOAT SWITCH 20m CABLE	TTC/FLO103-20M	300 x 300 x 100	2.80 ± 5%	
ECONOMY FLO103 FLOAT SWITCH 30m CABLE	TTC/FLO103-30M	300 x 300 x 200	3.80 ± 5%	
ECONOMY FLO103 FLOAT SWITCH 40m CABLE	TTC/FLO103-40M	300 x 300 x 200	4.90 ± 5%	
ECONOMY FLO103 FLOAT SWITCH 50m CABLE	TTC/FLO103-50M	300 x 300 x 200	5.25 ± 5%	



SCAN TO SHOP ONLINE

READY LEVEL

Ready Level is a reliable method of fixing level control floats in a pump chamber or sump to avoid tampering or alteration of levels once set on commissioning.

The Ready Level is purchased as a set of parts, comprising of stainless steel chain, D shackles, heavy-duty powder coated weight, galvanised upper bracket D hook and stainless steel karabiner - or with additional float switches as a complete prefabricated assembly (if level settings are supplied to us at order stage).

Available in 2m, 3m, 5m and 8m options.

BENEFITS

- British design and manufacture
- Superior performance
- Offers stability in turbulent wet wells


B


UPPER D BRACKET AND KARABINER



READY LEVEL WEIGHT

TYPE	PRODUCT CODE	DIMENSIONS m	WEIGHT kg	DELIVERY STATUS
READY LEVEL x2	TTC/READYLEVEL2M	2	2.2	
READY LEVEL x3	TTC/READYLEVEL3M	3	2.4	
READY LEVEL x5	TTC/READYLEVEL5M	5	2.6	
READY LEVEL x8	TTC/READYLEVEL8M	8	3	



SCAN TO SHOP ONLINE

Please note: Float switches not included.

FLOAT SWITCHES



CONTROL SYSTEMS - 10

Float Switches are economic and efficient liquid level sensors, simple to install and designed for trouble-free operation over a long life.

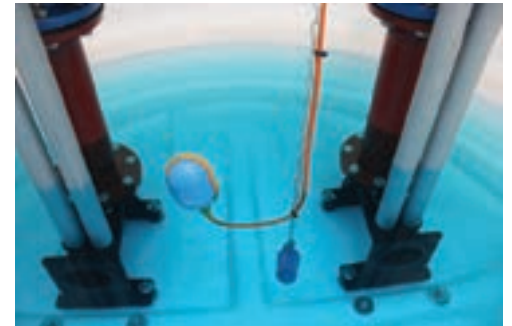
- FLO101 - ATEX / IECEX approved for 0 zone related areas
- FLO102 - General purpose use
- FLO106 - For use in diesel oil
- FLO107 - WRAS approved materials for clean / potable water application

FEATURES

- Change over switch for filling and emptying applications or alarm

BENEFITS

- British design and manufacture
- Easy to maintain
- Good reliability
- Easy to install



TYPE	PACKING DIMENSIONS h x w x d mm	WEIGHT kg	CODE	DELIVERY STATUS
FLO101 FLOAT SWITCH 10m CABLE ATEX / IECEX	300 x 300 x 100	1.25 ± 5%	TTC/FLO101-10M	
FLO101 FLOAT SWITCH 20m CABLE ATEX / IECEX	300 x 300 x 100	2.05 ± 5%	TTC/FLO101-20M	
FLO101 FLOAT SWITCH 30m CABLE ATEX / IECEX	300 x 300 x 200	3.05 ± 5%	TTC/FLO101-30M	
FLO101 FLOAT SWITCH 40m CABLE ATEX / IECEX	300 x 300 x 200	4.5 ± 5%	TTC/FLO101-40M	
GENERAL FLO102 FLOAT SWITCH 10m CABLE	300 x 300 x 100	1.25 ± 5%	TTC/FLO102-10M	
GENERAL FLO102 FLOAT SWITCH 20m CABLE	300 x 300 x 100	2.00 ± 5%	TTC/FLO102-20M	
GENERAL FLO102 FLOAT SWITCH 30m CABLE	300 x 300 x 200	3.00 ± 5%	TTC/FLO102-30M	
GENERAL FLO102 FLOAT SWITCH 40m CABLE	300 x 300 x 200	3.65 ± 5%	TTC/FLO102-40M	
FUEL FLO106 FLOAT SWITCH 10m CABLE	300 x 300 x 100	1.10 ± 5%	TTC/FLO106-10M	
FUEL FLO106 FLOAT SWITCH 20m CABLE	300 x 300 x 100	1.65 ± 5%	TTC/FLO106-20M	
FUEL FLO106 FLOAT SWITCH 30m CABLE	300 x 300 x 200	2.60 ± 5%	TTC/FLO106-30M	
FUEL FLO106 FLOAT SWITCH 40m CABLE	300 x 300 x 200	3.05 ± 5%	TTC/FLO106-40M	
POTABLE FLO107 FLOAT SWITCH 10m CABLE WRAS	300 x 300 x 100	1.45 ± 5%	TTC/FLO107-10M	
POTABLE FLO107 FLOAT SWITCH 20m CABLE WRAS	300 x 300 x 100	2.25 ± 5%	TTC/FLO107-20M	
POTABLE FLO107 FLOAT SWITCH 30m CABLE WRAS	300 x 300 x 200	3.20 ± 5%	TTC/FLO107-30M	
POTABLE FLO107 FLOAT SWITCH 40m CABLE WRAS	300 x 300 x 200	4.10 ± 5%	TTC/FLO107-40M	



SCAN TO SHOP ONLINE

COUNTERWEIGHTS

Offering an optional stabilising weight that can be fixed at any point on the cable, a counterweight controls the differential switching point of the float. Dependent on your application and the specific requirements of operation, we can supply the appropriate counterweight.



COUNTERWEIGHT COMPATIBILITY CHART		COUNTERWEIGHT				
		FLOCW-1	FLOCW-2	FLOCW-3	FLOCW-4	FLOCW-5
FLOAT TYPE	FLO 102	X	X	X	X	
	FLO 103	X	X	X	X	
	FLO 106	X	X	X	X	
	FLO 107					X

TYPE	DIMENSIONS h x w x d mm	WEIGHT kg	CODE	DELIVERY STATUS
COUNTERWEIGHT 1	60 x 50 x 50	0.25	TTC/FLOCW-1	
COUNTERWEIGHT 2	80 x 50 x 50	0.25	TTC/FLOCW-2	
COUNTERWEIGHT 3	82 x 68 x 20	0.25	TTC/FLOCW-3	
COUNTERWEIGHT 4	72 x 45 x 45	0.35	TTC/FLOCW-4	
COUNTERWEIGHT 5	60 x 50 x 50	0.25	TTC/FLOCW-5	



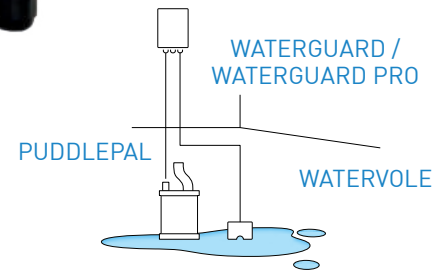
SCAN TO SHOP ONLINE

WATERGUARD / WATERGUARD PRO



The WaterGuard range offers cost effective 1Ph pump control with a wealth of user friendly features particularly suited to removing nuisance water and keeping vulnerable areas dry.

The WaterGuard incorporates mains healthy indication and the ability to be used for filling or emptying applications whilst controlling a 1Ph 230V motor directly up to 9.3 Amp FLC. Ideal for basements where water should not be present. Level detection can be via our WaterVole, PumpVole, Float switch or conductivity probes.



FEATURES

- PCB design
- Run on timer for use with residue pumps
- Adjustable sensitivity on conductivity circuit
- Compact weatherproof enclosure, IP66 rating
- Can control single phase motors up to 9.3 Amp FLC
- High-level audible alarm with mute configurable for continuous or intermittent use (WaterGuard Pro)
- LED indication for mains healthy and pump running / relay active
- Dual voltage input 230V / 110V 1Ph
- Watervole supplied with 10m cable as standard, longer lengths available on request
- Volt free contacts available for remote monitoring
- High level on WaterGuard Pro / WaterVole Pro
- "Test" button facility

TYPE	CODE	VOLTAGE	DIMENSIONS h x w x d mm	WEIGHT kg	DELIVERY STATUS
WATERGUARD	TTC/WGUARD	230V / 110V 1Ph	130 x 145 x 60	0.6	
WATERGUARD PRO	TTC/WGUARDPRO	230V / 110V 1Ph	130 x 145 x 60	0.6	
24V BEACON	MAX/X80-02	-	-	-	



SCAN TO SHOP ONLINE

Please note: See our Float switch range. (Pages 186 - 187)

WATERVOLE & PUMPVOLE



The WaterVole and PumpVole range offer compact level sensors, ideal for small confined sumps and tight spaces where floats are not suitable.

Each unit comprises stainless steel fixed conductivity detection probes housed in a fully sealed resin-filled enclosure fitted with a 10m rubber cable.

The WaterVole range of sensors achieves differential in water heights by the chosen mounting orientation of the level sensor, either horizontally or upright in position. The WaterVole is capable of start/stop levels and the WaterVole Pro is capable of providing start/stop/high level, when used with suitable controllers such as the WaterGuard & WaterGuard Pro and Libra Micro Controller Range.

The PumpVole is intended for use mounted on a submersible pump body, providing adjustable height level control by the integral Stainless Steel bracket, again operating in conjunction with either our WaterGuard or Libra Micro Controller range.

FEATURES

- Compact design
- Easy installation
- Rubber cable resistant to Hydro carbons
- Stainless Steel level probes and base plate



WATERVOLE LEVEL CONTROLLER

PUMPVOLE LEVEL CONTROLLER

Please note: The WaterVole range and PumpVole can only be purchased with the WaterGuard/WaterGuard Pro and Libra Micro Controller range

TYPE	CODE	DIMENSIONS h x w x d mm	WEIGHT kg	DELIVERY STATUS
WATERVOLE	TTC/WVOLEST	50 x 70 x 110	1.2	
WATERVOLE PRO	TTC/WVOLESTPR	50 x 70 x 110	1.2	
PUMPVOLE	TT/PUMPVOLE	80 x 40 x 20	1.0	

ALERT / ALERT PRO



Particularly suitable for use as a high or low level warning alarm, the Alert and Alert Pro monitor the status of a volt free contact such as a float, pressure switch, intruder contact etc, and provide visual and audible warning indication.

FEATURES

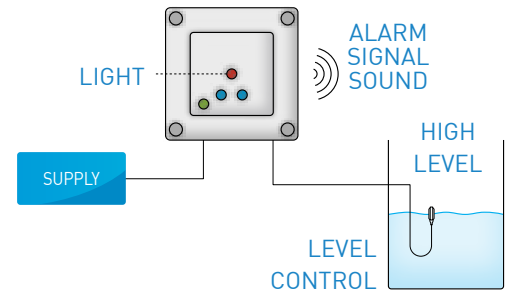
- Compact weatherproof enclosure, IP66 rating
- Push-button test facility
- Audible alarm with mute facility
- Mains power-on indicator
- Battery backup options
- Volt free repeater contact on Alert Pro units
- 12Vdc beacon supply

BENEFITS

- Local visual & audible alarm
- Compact design for small spaces
- Easy to install
- Remote alarm notification on 'pro' version
- Power healthy indication



ALERT / ALERT PRO



TYPE	VOLTAGE	DIMENSIONS h x w x d mm	WEIGHT kg	CODE	DELIVERY STATUS
ALERT (MAINS POWERED)	230V	100 x 100 x 60	0.32	TTC/ALERT-MAINS	
ALERT (MAINS WITH BATTERY BACK UP)	230V	100 x 100 x 60	1.00	TTC/ALERTBATTERY	
ALERT PRO (MAINS POWERED)	230V	100 x 100 x 60	0.32	TTC/ALERTPROMAIN	
ALERT PRO (MAINS WITH BATTERY BACK UP)	230V	100 x 100 x 60	1.00	TTC/ALERTPRO-BATT	
BEACON (LED TYPE FOR ALERT)	12VDC	-	0.3	TTC/ALERTBEACON	



The RainCycle® Controller range of panels offers a simple control solution within water harvesting applications. Designed for use with a 230V / 1Ph pump, these units provide storage tank level monitoring as standard with the use of floats to detect and indicate water available, top up required and no water conditions. For systems where harvested water requires topping up with mains water, we have a range of solutions including our additional Top-Up Box consisting of a small and compact enclosure. The RainCycle® Level version is an ideal solution where applications require a more accurate level indication.

FEATURES

- PCB design
- Compact weatherproof enclosure, IP66 rating
- Status indication for power on, pump running, water available / mains water top-up valve, water low & no water
- Functional test buttons for pump & alarm
- Additional LED level display via level transducer
- 24VDC solenoid supply

BENEFITS

- British design and manufacture
- Designed for reliability and long life
- Great performance



*Please note, optional extras are not included in the price. Visit our website for pricing.

TYPE	CODE	OPTIONAL EXTRAS REQUIRED (X)	VOLTAGE	DIMENSIONS h x w x d mm	DELIVERY STATUS
STANDARD*	TTC/RCS	FLOATS x 2	230V/1Ph	180 x 145 x 75	
		TOP-UP BOX			
		LEVEL TRANSDUCER			
TOP-UP*	TTC/RCT	FLOATS x 2	230V/1Ph	180 x 145 x 75	
		TOP-UP BOX			
		LEVEL TRANSDUCER			
LEVEL*	TTC/RCL	FLOATS x 2	230V/1Ph	180 x 145 x 75	
		TOP-UP BOX			
		LEVEL TRANSDUCER			
TOP-UP & LEVEL*	TTC/RCTL	FLOATS x 2	230V/1Ph	180 x 145 x 75	
		TOP-UP BOX			
		LEVEL TRANSDUCER			
TOP-UP BOX	TTC/TOPUPBOX	N/A	24VDC	240 x 190 x 90	
LEVEL TRANSDUCER	-	N/A	-	-	





LIBRA MICRO CONTROL PANEL



The Libra Micro offers the features and functions of our renowned hard-wired control panels but with a compact, PCB based design.

The Libra Micro can be used in conjunction with various liquid level detection devices, such as our FLO range of float switches, WaterVole level sensors and conductivity probes.

FEATURES

- Motor control up to 9.3A full load current
- Mains on indicator with mains fail fault output via the volt-free fault relay
- Pump operating indicator(s)
- Indication of next duty pump (on the dual version)
- Pump(s) individually fused
- Suitable for FLO range float switch, WaterVole or conductivity probe level control
- Volt-free contact for remote monitoring of high-level/power failure alarm
- Sensitivity adjustment for WaterVole or conductivity probe use
- Compact weatherproof enclosure, IP66 rating
- Audible alarm with mute button
- 12V.DC output for a remote beacon
- 'Test' button facility for both pump and high-level alarm
- Volt-free contact for remote monitoring for pump(s) fault

BENEFITS

- British design and manufacture
- Built for reliability
- Small and compact



TYPE	CODE	WEIGHT kg	DIMENSIONS h x w x d mm	DOL / ASD	MAX FLC (A)	SINGLE / DUAL	VOLTAGE	DELIVERY STATUS
Single 230V 1phase DOL	TTC/LIBMIC-S	0.8	130 x 145 x 60	DOL	9.3	Single	230	
Dual 230V 1phase DOL	TTC/LIBMIC-D	0.8	130 x 145 x 60	DOL	9.3	Dual	230	
RED BEACON	MAX/X80-02	0.2	-	-	-	-	-	



SCAN TO SHOP ONLINE



LIBRA MIDI CONTROL PANEL

COMING SOON!



Libra Midi offers the features and functions of our renowned hard-wired control panel but with a combination of PCB & compact control gear.

Libra Midi can be used in conjunction with 1-phase and 3-phase motors rated up to 12A full load current and controlled using various liquid level detection methods, such as our FLO range of float switches, WaterVole level sensors, pressure switches and conductivity probes.

FEATURES

- Overload protection
- Motor operational hours on the front display
- Manual or automatic control via selector buttons
- Manual or remote reset possible
- Various operational LEDs for status
- Detects present phase on 3Ph version
- Alternating duty, the PCB switches between which motor should start, based on the motor health and hours on
- Sensor types available for automatic motor control are below:
 - Floats
 - Conductivity probes
 - T-T WaterVole
 - Pressure transducer / Ultrasonic transducer
- Various operational modes are available

BENEFITS

- British design
- Multi-purpose, compact PCB design
- IP66 enclosure
- 230V and 400V version available
- End-user can choose which level sensor best suits their system
- Cost effective & reliable



SCAN TO SHOP ONLINE

BESPOKE CONTROL PANELS

B

CONTROL SYSTEMS - 10

DID YOU KNOW? WE MANUFACTURE CUSTOMISED CONTROL PANELS

T-T Controls are specialists in designing, manufacturing and installing control systems for a wide selection of applications, varying in size and complexity.

We pride ourselves on our reputation for high standards, quality and client satisfaction. We prioritise every organisation's unique requirements for control panel design and automation. Whether you need controls for a manufacturing facility or a power distribution system, a simple starter panel or a full complex industrial process with variable speed drives – our experienced team will collaborate with you to develop a bespoke solution.



WHAT WE OFFER:

- In-house sales and design team equipped with the latest technology
- Skilled and qualified personnel and installation teams
- Rigorous inspection and testing to ISO9001, meeting current standards
- Complementary range of ancillary products such as telemetry

FROM CONCEPT TO DESIGN, WE MANAGE THE FULL PROJECT.

WHAT HAVE WE SUPPLIED?

Custom Control Panels for Humanitarian Project in Congo

T-T Controls customised two control panels to operate pumps within the Democratic Republic of the Congo in Africa, providing water to two nearby villages.

Both panels were single 3Ph Direct On Line starters and included a variety of protective devices specifically for environmental risk factors, such as lightning and surge protection, to ensure the efficient and uninterrupted running of the pumps.

In order to overcome the geographical restrictions, the system provided was designed to work via solar power PV rays with battery storage.



Bespoke Controls for International Food Manufacturing Company

Bespoke control panel construction was the ideal solution for an international food manufacturing company in the U.S. who needed the panels for their newly commissioned factory.

Due to food hygiene requirements the panels were constructed in stainless steel and to IP65-rated water resistant specifications, allowing for easy cleaning and maintenance.

The control units were also customised to comply with local safety regulations, specifically the Underwriters Laboratory American standard.



SCAN TO ENQUIRE NOW



MAXI - STANDARD DOL / ASD CONTROL



Our most popular and versatile range of Standard DOL / ASD control panels. The Libra range offers an extensive choice of single and dual motor control options suitable for 1Ph 230V and 3Ph 400V power supplies.

Available in direct on line (DOL), or star-delta (ASD) starting for larger motors and with various optional extras enabling customisation to suit your requirements, including telemetry monitoring. All control panels are manufactured at T-T's premises by a team of skilled wire-personnel, with each panel passing rigorous inspection and testing prior to despatch.



VOLTAGE	SINGLE / DUAL	DOL / ASD	DIMENSIONS h x w x d mm	MAX / FLC (A)	WEIGHT kg	CODE	DELIVERY STATUS
230V/1Ph	SINGLE	DOL	400 x 400 x 250 O/A	12	11.4	TTC/LIBMAX1MD12	
400V/3Ph	SINGLE	DOL	400 x 400 x 250 O/A	12	11.2	TTC/LIBMAX1TD12	
400V/3Ph	SINGLE	DOL	500 x 400 x 250 O/A	32	12	TTC/LIBMAX1TD32	
400V/3Ph	SINGLE	ASD	500 x 400 x 250 O/A	18	13	TTC/LIBMAX1TA18	
400V/3Ph	SINGLE	ASD	500 x 400 x 250 O/A	32	13	TTC/LIBMAX1TA32	
230V/1Ph	DUAL	DOL	500 x 400 x 250 O/A	12	19	TTC/LIBMAX2TA32	
400V/3Ph	DUAL	DOL	500 x 400 x 250 O/A	12	18.5	TTC/LIBMAX2TD12	
400V/3Ph	DUAL	DOL	500 x 400 x 250 O/A	18	18.5	TTC/LIBMAX2TD18	
400V/3Ph	DUAL	DOL	700 x 500 x 300 O/A	32	19	TTC/LIBMAX2TD32	
400V/3Ph	DUAL	ASD	700 x 500 x 300 O/A	18	21	TTC/LIBMAX2TA18	
400V/3Ph	DUAL	ASD	700 x 500 x 300 O/A	32	21	TTC/LIBMAX2MD12	
400V/3Ph	DUAL	DOL	600 x 400 x 250 O/A	22	23	TTC/LIBMAX2TD12T*	
230V/1Ph	DUAL	DOL	600 x 400 x 250 O/A	18	22	TTC/LIBMAX2MD12T*	

Please note: FLC rating for each product is maximum.

*Complete with Seer cloud-based telemetry / data logging.



SEER MONITORING

Available pre-built in certain panels, speak to our sales team for more information.

OPTIONAL EXTRAS FOR YOUR LIBRA PANEL

- Our Libra panels are fully customisable to your requirements by adding any of the below additional options to your panel.
- Option choice: Same day despatch is available on panels with no options or options 1 or 2 fitted.
- Panels with customised options selected will be offered on a next day basis.

OPTIONAL EXTRAS	CODE	DELIVERY STATUS
OPTION 1 - COMMON ALARM BEACON (SUPPLIED LOOSE OR FITTED)	TTC/MAX/OPT1-ALL	
OPTION 2 - COMMON AUDIBLE ALARM MUTE	TTC/MAX/OPT2-ALL	
OPTION 3 - MCB 1PH MOTOR PROTECTION (PER PUMP)	TTC/MAX/OPT3-1PH	
OPTION 3 - MCB 3PH MOTOR PROTECTION (PER PUMP)	TTC/MAX/OPT3-3PH	
OPTION 4 - AMMETER AND HOURS RUN METER (PER PUMP)	TTC/MAX/OPT4-ALL	
OPTION 5 - FUSED TELEMETRY SUPPLY (1PH)	TTC/MAX/OPT5-ALL	

NOTES FOR PANEL SELECTION

- The Amps rating stated on each panel is maximum, we ask for the full load current in Amps upon receipt of order to ensure we select the correct overloads for your panel
- Panels are suitable for indoor use only
- Orders must be placed by 1pm for same day despatch
- Motor starter capacitors may require additional control gear which will be an extra cost



SCAN TO
SHOP
ONLINE



MAXI - STANDARD DOL / ASD CONTROL



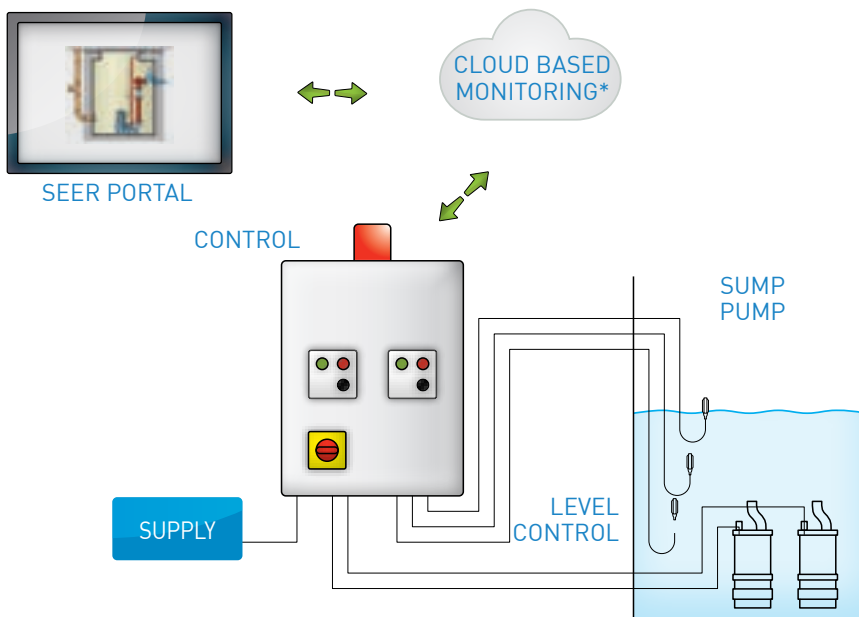
BENEFITS

- British design and manufacture
- Extensive choice
- Market-leading readily available components used
- Supplied with clear & concise schematics
- Unrivalled technical and after sales support
- Each panel comprehensively tested under load conditions
- Full test report data available (upon request)

APPLICATIONS

- Pumping systems
- Conveyors
- Basements
- Flood defence
- Heating and Ventilation
- Motor control
- Process machinery

FEATURES	STANDARD NO COST	OPTIONS				
		1	2	3	4	5
DOOR-INTERLOCKED ISOLATOR	X					
LOW VOLTAGE CONTROL CIRCUIT (24V)	X					
MOTOR PROTECTION FUSE CARTRIDGES	X					
CONTRACTOR AND THERMAL OVERLOAD RELAY	X					
HAND-OFF/RESET AUTO SELECTOR SWITCHES (SPRING RETURN IN HAND TO PREVENT DRY RUNNING)	X					
RUN AND TRIP LED INDICATORS	X					
SELF REGULATING CONTROLLED ANTI-CONDENSATION HEATER	X					
DISTRIBUTION TERMINALS	X					
SUITABLE FOR SINGLE ACTING AND DIFFERENTIAL LEVEL CONTROL/PRESSURE SWITCHES	X					
DUTY STANDBY OR DUTY ASSIST OPERATION SELECTABLE ON DUAL VERSION	X					
SEPARATELY FUSED ALARM CIRCUIT (WARNING ALARMS REMAIN OPERATIONAL SHOULD THE CONTROL FUSE PROTECTION BLOW)	X					
FULLY COMPATIBLE WITH OUR SEER TELEMETRY AND MONITORING PRODUCTS	X					
REMOTE PUMP RESET VIA OUR SEER RANGE OF TELEMETRY	X					
HIGH LEVEL ALARM INDICATOR	X					
VOLT FREE MONITORING CONTACTS FOR PUMP TRIP AND HIGH LEVEL ALARM	X					
ALTERNATIVE DUTY CYCLE FOR EVEN WEAR ON MOTORS	X					
COMMON WARNING BEACON FOR PUMP TRIP OR HIGH LEVEL (SUPPLIED LOOSE OR FITTED)		X				
COMMON AUDIBLE WARNING ALARM, MUTE PUSH BUTTON AND TERMINALS FOR REMOTE ALARM			X			
MOTOR PROTECTION CIRCUIT BREAKERS (PER PUMP)				X		
AMMETER AND HOURS RUN METER (PER PUMP)					X	
FUSED TELEMETRY SUPPLY (1PH)						X



Combine our best selling control panel with our state-of-the-art cloud based Seer monitoring units for a complete package.

In order to achieve the configuration outlined in this diagram, either A4/ES/2110 or A4/ES/2111 panels must be selected with the additional optional upgrade to Seer monitoring.



Seer MONITORING

The Seer Monitoring range is T-T's comprehensive monitoring solution - an advanced data logger that uses cloud-based technology to monitor your system in real-time.

The Seer range consists of four unique units that offer various connection types, notification options and types of data they can receive.

Offering the facility to interrogate and remotely reset through remote pump monitoring, Seer uses the Argos cloud Network via Machine-to-Machine data collection offering superior connectivity whilst ensuring security. Information is received from plants and systems in real-time with a data refresh rate of up to every 10 seconds. Variables are then stored and visually represented via a virtual interactive display via the Seer portal, giving a 'snapshot' of the whole system remotely.

Alerts via email are configurable for all conditions monitored, with severity levels customisable from a warning, minor, major to critical, which can also be distributed to selectable recipients with options for working, non-working, weekend rota coverage based on daily or weekend calendars.

Data is continually available and can be easily retrievable and viewed, allowing comparison over time to predict failures and monitor optional performance trends.

BENEFITS

- Peace of mind 24/7 pump monitoring
- Early intervention to prevent detrimental failures
- Pictorial view of equipment & clear easy to read status information
- Remote reset functionality with engineer on-site safety feature (compatible control panels only)
- Pro-active maintenance and remote diagnosis of faults
- Historical data analysis & performance trends
- Easy to navigate the home screen
- Capable of producing reports
- Diverse range of models available to suit every application

FEATURES

- Live data reporting
- Visual representation of equipment/plant
- Data logging facility for analysis
- Fully customizable alarm notifications day/night
- Customisable alarm severity
- Site location displayed via Google maps
- Remote reset with compatible control panel



Please note:

*Not all features available on all units, this is dependent upon existing control system variables and Seer model chosen.

Fully customised versions available. For monitoring more complex systems please speak to our sales department for more information.

Service Engineers are deployed when live service agreement is in place with credit account facilities.



SEER ADVANCED SIGNALS*

- Power supply
- High level
- Pump failure pump no.1 pump no.2
- Mains voltage monitoring
- Pump current
- Pump operating
- Pump underload
- Wet well level
- Remote control
- Trip reset
- Remote control active

Please note:
*Example only, exact signals devised from control system features available

TYPE	PRODUCT CODE	WEIGHT kg	ANALOGUE INPUT	DIGITAL INPUT	DIMENSIONS w x h x d mm	RELAY OUTPUT	VOLTAGE	DELIVERY STATUS
SEER NANO	TTC/SEERNANO	0.05	None	1	70 x 70 x 30	None	2x AAA Batteries/3V	
SEER MICRO	TTC/SEERMICRO	0.5	4	2	110 x 135 x 80	1	24 VAC	
SEER MICRO +	TTC/SEERMICRO+	1.5	4	2	180 x 180 x 90	1	230 VAC	
SEER JUNIOR	TTC/SEERJUNIOR	3.5	4	10	280 x 280 x 180	9	230 VAC	
SEER ADVANCED	TTC/SEERADVANCED	5.1	12	10	280 x 280 x 180	9	400 VAC	

SUBSCRIPTION

- Seer Nano: No subscription costs
- Seer Micro, Micro +, Junior & Advanced: Cloud data hosting and sim (machine to machine) included in pricing for first 12 months
- Annual renewal costs (based on 250,000 log points) required to maintain ARGOS cloud subscription after the first 12 months

DATA SIM

MACHINE 2 MACHINE DATA SIM		
UK	TTC/M2MUK	
EU & REST OF THE WORLD	TTC/M2MEU+W	
UAE	TTC/M2MUAE	

Please note:

- Machine to machine data SIM required for Seer unit operation
- SIMs available for UK, EU & Rest of the World and UAE
- See SIM options in table above, which are fixed 2 year contracts

MONITORING SERVICES

- We also offer the above product via our monitoring service, giving complete analysis of a system's operational performance and service requirements 24 hours a day, 365 days a year. Alerts are handled and data is analysed with any notifications raised and resources deployed accordingly.
- Full detailed reporting features available.
- Our rental option encompasses all charges per annum for Seer unit, data sim and cloud data hosting. Contact our sales department for more information.



SCAN TO SHOP ONLINE



SCAN TO WATCH VIDEO

VASCO VARIABLE SPEED DRIVE



Vasco is a purpose built range of variable speed drives designed to control and protect pumping systems based on changing the motor frequency and pump speed. Vasco units are extremely compact, can be connected to any pump on the market and will control the operation of the pump to consistently maintain desired pump performance (e.g. pressure, flow, temperature etc.)

The easy to configure settings allow the Vasco to determine the most effective duty point for pumps and system. Body construction is entirely aluminium, making the units solid, lightweight and easily cooled. Protected to IP55, the Vasco units can be installed in virtually any location including humid and dusty environments.



FEATURES

- IP55 construction
- Start / stop function
- Easy to navigate menus
- Remote Bluetooth interrogation for fault diagnosis
- Overload motor protection
- Motor dry-run protection
- Motors hours run and running current
- Operates multiple DOL motors through one Vasco
- Communication between inverters allows them to operate together in 'cascade' mode

BENEFITS

- Energy efficient
- Simple to install
- Increased pump life
- Good reliability
- Improved pump and system efficiency
- Motor mounting and wall mounting kits available
- Popular product
- Minimise running costs



SCAN TO SHOP ONLINE

TYPE	VOLTAGE INPUT	VOLTAGE OUTPUT	RATING amps	TYPICAL POWER P2 (kW)	CODE	DELIVERY STATUS
VASCO 209 1Ph	1 x 230	1 x 230	9	1.1	PNA/V209	
		3 x 230	7	1.5		
VASCO 214 1Ph	1 x 230	1 x 230	9	1.1	PNA/V214	
		3 x 230	11	3.0		
VASCO 218 1PH	1 X 230	3 x 400	18	4	PNA/V218	
VASCO 406 3PH	3 x 400	3 x 400	6	2.2	PNA/V406	
VASCO 409 3PH	3 x 400	3 x 400	9	4	PNA/V409	
VASCO 414 3PH	3 x 400	3 x 400	14	5.5	PNA/V414	
VASCO 418 3PH	3 x 400	3 x 400	18	7.5	PNA/V418	
VASCO 425 3PH	3 x 400	3 x 400	25	11	PNA/V425	
VASCO 430 3PH	3 x 400	3 x 400	30	15	PNA/V430	
VASCO 438 3PH	3 x 400	3 x 400	38	18.5	PNA/V438	
VASCO 448 3PH	3 x 400	3 x 400	48	22	PNA/V448	
VASCO 465 3PH	3 x 400	3 x 400	65	30	PNA/V465	
MOTOR MOUNT KIT 209/214/406/409	N/A	N/A	N/A	N/A	PNA/MOTORKIT1	
MOTOR MOUNT KIT 414/418/425/430	N/A	N/A	N/A	N/A	PNA/MOTORKIT2	
MOTOR MOUNT KIT 438/448/465	N/A	N/A	N/A	N/A	PNA/MOTORKIT3	
WALL MOUNT KIT 209/214	N/A	N/A	N/A	N/A	PNA/WALLKIT1	
WALL MOUNT KIT 406/409	N/A	N/A	N/A	N/A	PNA/WALLKIT2	
WALL MOUNT KIT 414/418/425	N/A	N/A	N/A	N/A	PNA/WALLKIT3	
0-16BAR PRESS.SENSOR 4-20MA	N/A	N/A	N/A	N/A	PNA/PRESS.SENSOR	

KIOSKS & ENCLOSURES



CONTROL SYSTEMS - 10

Accommodation for your control panel can be provided from an extensive range of kiosks and other enclosures in a variety of materials, including steel with protective coatings, stainless steel, polycarbonate and GRP for outdoor and indoor applications and harsh environments.

Space is provided as required for electricity metres and special items such as telemetry units, generator connections and distribution equipment.

FEATURES

- Robust construction
- Outdoor or indoor use
- Bespoke design and manufacture available
- Weatherproof (IP55)
- Plywood blackboards for equipment mounting
- Can be supplied with heating and lighting requirements
- Generator cat flap can be requested optionally

BENEFITS

- Designed for reliability
- Built for long life
- Solid build
- Popular product



TYPE	DIMENSIONS h x w x d mm	ARRANGEMENT	CODE	DELIVERY STATUS
GRP	1250 x 750 x 400	SINGLE DOOR	TTC/1250X750GRP	
GRP	1250 x 1330 x 400	DOUBLE DOOR	TTC/1250X1250GRP	
GRP	1750 x 2000 x 500	DOUBLE DOOR	TTC/1750X2000GRP	
MILD STEEL	1250 x 750 x 400	SINGLE DOOR	TTC/1250X750MS	
MILD STEEL	1250 x 1250 x 400	DOUBLE DOOR	TTC/1250X1250MS	
MILD STEEL	1500 x 2000 x 500	DOUBLE DOOR	TTC/1500X2000MS	
MILD STEEL	2000 x 2000 x 500	DOUBLE DOOR	TTC/2000X2000MS	



SCAN TO SHOP ONLINE

INSULATING WALL-MOUNTING ENCLOSURE



Monobloc wall-mounting enclosure made from polyester reinforced with fibreglass, moulded by hot compression for IP66 protection. The enclosures are impact resistance to IK10 for the plain doors and IK08 for the glazed doors of the polyester versions. The enclosures have UL certification 4x and 13 for the polyester wall-mounting enclosures and comply with RoHS and REACH Directives.

FEATURES

- High resistance to corrosion in harsh environments, maintaining its mechanical properties and insulation
- Door easily reversible by turning it over
- Captive Polyamide hinge pin, easily removable
- Locking device outside the sealed area, guaranteeing the tightness of IP66 over time
- Door opening angle at 180°
- Supplied with internal backplate for equipment mounting, and wall fixing brackets

BENEFITS

- Designed for reliability
- Built for long life
- Solid build
- Excellent weather resistant properties



TYPE	DIMENSIONS h x w x d mm	CODE	DELIVERY STATUS
GLAZED	747 x 536 x 300	TTC / WMTG1GLAZED	
GLAZED	847 x 636 x 300	TTC / WMTG2GLAZED	
GLAZED	1056 x 852 x 350	TTC / WMTG3GLAZED	
PLAIN	747 x 536 x 300	TTC / WMTG1PLAIN	
PLAIN	847 x 636 x 300	TTC / WMTG2PLAIN	
PLAIN	1056 x 852 x 350	TTC / WMTG3PLAIN	



SCAN TO SHOP ONLINE

SECTION 11
PUMPING STATIONS



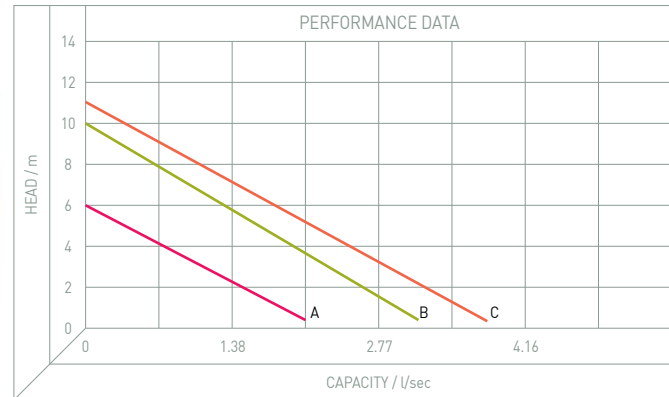
T-T UTILITY BOX

B

The T-T Utility Box is a high-quality polypropylene tank intended for collecting water exclusively from domestic drains, including washing machines, showers and sinks. Neatly constructed and with a small footprint, the T-T Utility Box is versatile and easy to install.

FEATURES

- Plug and play installation
- Internal integral level control
- No cable gland on the container
- Separate connection for washing machine
- Ventilation by integrated active carbon filter
- Polypropylene container with 10l usable volume
- Audible alarm in case of critical high water level
- Pump is fixed to the container lid for ease of maintenance
- Fitted with one shower inlet (only 80mm off the floor)
- Operating temperature 40°C (short period: up to 90°C)
- Pressure outlet 1 1/4" with integrated check valve
- Free contact for an external alarm of washing machine stop button



PUMP TYPE	PRODUCT CODE	CURVE	OUTPUT		FREE PASSAGE mm	CABLE LENGTH m	WEIGHT kg	DELIVERY STATUS
			amp	kW				
T-T UTILITY BOX 1	TT/UTILITYBOX-1	A \	1.3	0.13	10	1.5	15	
T-T UTILITY BOX 2	TT/UTILITYBOX-2	B \	3.7	0.43	10	1.5	16	
T-T UTILITY BOX 3	TT/UTILITYBOX-3	C \	3.7	0.43	10	1.5	17	



SCAN TO SHOP ONLINE

LOOPAK

B

Loopak is a macerator pump designed to automatically grind and discharge: sewage, toilet paper and greasy water (up to 100°C), originating from either a bathroom or a kitchen. There are three models of the Loopak:

THE DOMESTIC - Fitted with a 600 watt motor, suitable for all domestic applications.

THE PROFESSIONAL - Equipped with a 1000 watt motor and is designed for the more demanding applications found in offices, hotels, restaurants, pubs and clubs.

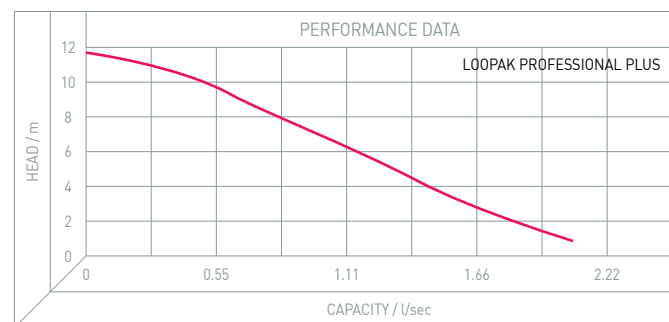
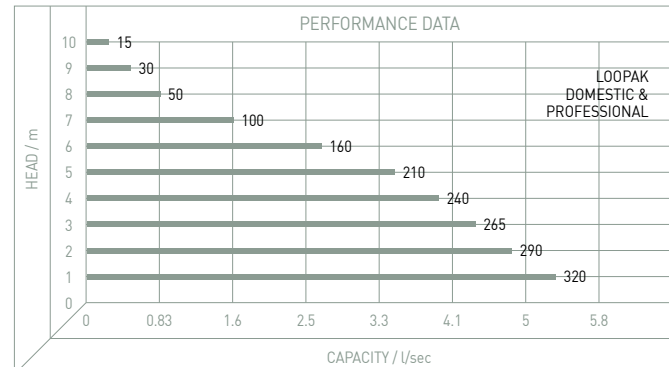
THE PROFESSIONAL PLUS - Fitted with a 600W motor, equipped with a heavy-duty cutting system and designed for the most demanding conditions.

FEATURES

- Macerator pump
- Extremely versatile
- Can be fitted to any European standard w.c.bowl with horizontal discharge
- Utilises small 32mm or 40mm discharge pipe
- Very easy maintenance; no mess
- Motor unit can be serviced or replaced without disturbing toilet and waste connections (only on domestic and professional)



PROFESSIONAL PLUS MACERATOR



PUMP TYPE	PRODUCT CODE	OUTPUT		WEIGHT kg	DELIVERY STATUS
		amp	kW		
LOOPAK DOMESTIC	TT/V-S008	3	0.6	11	
LOOPAK PROFESSIONAL	TT/V-S007	4	1.0	12	
LOOPAK PROFESSIONAL PLUS	TT/V-009	2.5	0.6	11	



SCAN TO SHOP ONLINE

Pumping Stations

Utility Pumping Stations



BLUE BOX

B

PUMPING STATIONS - 11

The Blue Box range of high-quality polyethylene tanks are extremely versatile and easy to install. They are suitable for collecting clear, rain and wastewater from washing machines, sinks and WCs in systems installed at a lower level than the sewer, such as garages or basements. The entire range uses Blue Pro series pumps.

The 60, 90, 150 and 250 models, suitable for domestic and small residential installations, are equipped to house one electric pump. The Blue Box 500 model, intended for civil plants, can be equipped with two electric pumps for complete reliability.

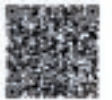
FEATURES

- 60, 90, 150 And 250 models fitted to take one pump; up to two pumps can be installed in 400 model
- Direct installation possible for all models; coupler can be used for 250 and 400 models

- Pedestrian loaded cover
- Gasket between tank and cover
- Simplified intake, discharge and breather pipe installation with watertight gasket
- Three inlet gaskets provided - 50, 65 and 110mm
- Integral lifting handles
- Emergency drainage fitting located low down in the unit
- Patented watertight cable gland allowing easy pump removal
- Side fins provide an excellent grip for in-floor installation
- Drainage or sewage applications (dependant on pump selection)
- Includes standard pipework, 60, 90 and 150 has fixed pipework. Alternative pipework options available for 250 and 500 options using Auto couplings



MODEL	CAPACITY l	NUMBER OF PUMPS	DISCHARGE mm	WEIGHT kg	DELIVERY STATUS
				TBA DEPENDING ON PUMPS AND PIPEWORK	
BLUE BOX 60	60	1	50	8	●
BLUE BOX 90	90	1	50	9	●
BLUE BOX 150	150	1	50	11	●
BLUE BOX 250	250	1	50	15	●
BLUE BOX 500	500	2	50	31	●



SCAN TO SHOP ONLINE

BLUE BOX 500S

B

The Blue Box 500S is a high-quality polyethylene tank, versatile and easy to install. It is suitable for collecting clear, rain and wastewater from storm drains, washing machines, sinks and WCs in systems installed at a lower level than the sewer. Its large capacity of 400 litres makes it ideal for use in residential and industrial installations. A large number of technical features allow streamlined installation procedures and excellent service with low maintenance.

Blue Box 500S can be equipped with up to 2 pumps for systems requiring high flow rates or alternating duty cycles to avoid over-frequent start-ups. Pumps can be installed either inside or outside the tank to suit systems of all kinds.

FEATURES

- High capacity
- Can be installed in pairs
- Use with high-efficiency Uniqa series pumps
- Rugged walkover cover
- Emergency drainage fitting located low down in the unit in the event of prolonged blackouts
- Slots for floor mounting
- Integrated handles
- Watertight seals between pipes and Blue Box



MODEL	PRODUCT CODE	OUTPUT kW	OUTLET mm	DELIVERY STATUS
Bluebox E 500S M/ZUG V 065 A	Bluebox E 500S M/ZUG V 065 A	4 - 9	65	●
Bluebox E 500S D/ZUG V 065 A	Bluebox E 500S D/ZUG V 065 A	4 - 9	65	●
Bluebox E 500S T/ZUG V 065 A	Bluebox E 500S T/ZUG V 065 A	4 - 9	65	●
Bluebox E 500S T/ZUG V 080 A	Bluebox E 500S T/ZUG V 080 A	4 - 11	80	●
Bluebox E 500S T	Bluebox E 500S T	7.5 - 18.5	80	●



SCAN TO SHOP ONLINE

Same day dispatch. ● Lead time may apply.

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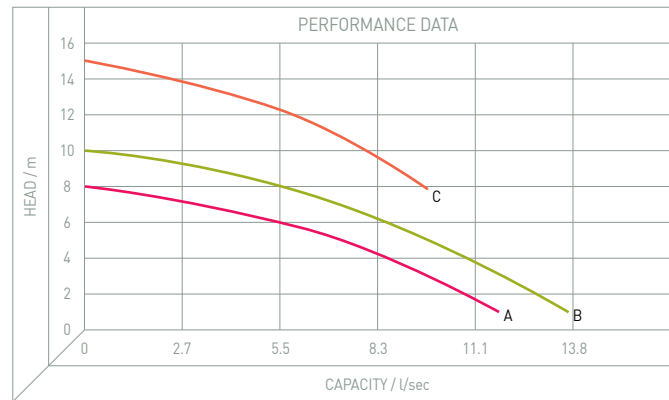
+44 (0) 1630 647200


B

The Trojan Vortex range of compact pumping stations provides a complete unit supplied with vortex pumps, valves and a control panel, with easy installation and maintenance.

FEATURES

- Polyethylene chamber
- Complete unit fitted with high efficiency single / dual vortex pumps
- IP68 – fully submersible
- 1.1kW, 1.5kW OR 3.0kW options
- Mechanical seal within oil bath
- DN100 Outlet, 80mm discharge available on request
- DN50 or DN100 inlet (55 VS)
- DN100 OR DN150 Inlet (150 VD)
- Pneumatic level control with LCD display, fault and alarm options available
- Max media temperature 55°C
- Integrated non-return valve, 3kW non-return valve external
- 180mm minimum inlet height
- Supplied with 3.5m cable to motor and 3.5m pneumatic tube connecting Trojan to control unit (IP65 rated)



SCAN TO SHOP ONLINE

PUMP TYPE	CURVE	OUTPUT		MAXIMUM		RPM	TANK CAPACITY l	FREE PASSAGE mm	WEIGHT kg	DELIVERY STATUS
		amp	kW	HEAD m	FLOW l/sec					
TROJAN 55 VS 1.1 230V	A \	7.6	1.1	8.1	11.3	1400	55	50	43	●
TROJAN 55 VS 1.1 400V	A \	2.9	1.1	8.1	11.3	1400	55	50	43	●
TROJAN 55 VS 1.5 400V	B \	3.3	1.5	9.9	13.6	1400	55	50	45	●
TROJAN 55 VS 3.0 400V	C \	6.2	3.0	15	9.7	2800	55	50	63	●
TROJAN 150 VD 1.1 230V	A \	7.6	1.1	8.1	11.3	1400	150	50	90	●
TROJAN 150 VD 1.1 400V	A \	2.9	1.1	8.1	11.3	1400	150	50	90	●
TROJAN 150 VD 1.5 400V	B \	3.3	1.5	9.9	13.6	1400	150	50	93	●
TROJAN 150 VD 3.0 400V	C \	6.2	3.0	35	9.7	2800	150	50	130	●
MANUAL HAND PUMP	N/A	-	-	15	0.65L PER ACTION	N/A	N/A	40	16	●

Pumping Stations

Above Ground Pumping Stations



Trojan GRINDER

The Trojan Grinder range of compact pumping stations provide a complete unit supplied with grinder pumps, valves and control panel, with easy installation and maintenance.

FEATURES

- Polyethylene chamber
- 55l or 150l capacity
- IP68 - fully submersible
- Complete unit fitted with high efficiency single / dual grinder pumps
- Mechanical seal within oil bath
- DN50 or DN100 inlet (55 GS)
- DN100 or DN150 inlet (150 GD)
- Pneumatic level control with LCD display, fault and alarm options available (IP68 rated)
- Maximum media temperature 55°C
- 250mm minimum inlet height
- Supplied with 3.5m cable to motor and 3.5m pneumatic tube connecting Trojan to control unit (IP65 rated)

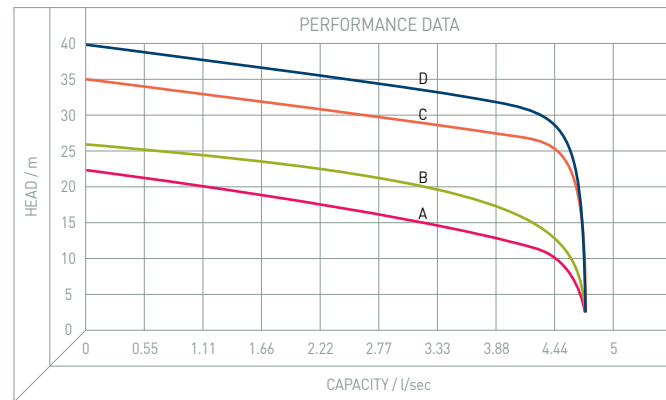


SCAN TO SHOP ONLINE



B

PUMPING STATIONS - 11



PUMP TYPE	CURVE	OUTPUT		MAXIMUM		RPM	TANK CAPACITY l	FREE PASSAGE mm	WEIGHT kg	DELIVERY STATUS
		amp	kW	HEAD m	FLOW l/sec					
TROJAN 55 GS 1.7/1 230V	A \	10.5	1.7	22	4.7	2800	55	8.5	63	●
TROJAN 55 GS 1.7/1 400V	A \	3.7	1.7	22	4.7	2800	55	8.5	63	●
TROJAN 55 GS 1.7/2 400V	B \	3.7	1.7	25	4.7	2800	55	8.5	63	●
TROJAN 55 GS 3.2/3 400V	C \	6.5	3.2	35	4.7	2800	55	8.5	68	●
TROJAN 55 GS 3.2/4 400V	D \	6.5	3.2	39	4.7	2800	150	8.5	68	●
TROJAN 150 GD 1.7/1 400V	A \	3.7	1.7	22	4.7	2800	150	8.5	130	●
TROJAN 150 GD 1.7/2 400V	B \	3.7	1.7	25	4.7	2800	150	8.5	130	●
TROJAN 150 GD 3.2/3 400V	C \	6.5	3.2	35	4.7	2800	150	8.5	140	●
TROJAN 150 GD 3.2/4 400V	D \	6.5	3.2	39	4.7	2800	150	8.5	140	●
MANUAL HAND PUMP	N/A	-	-	15	0.65L PER ACTION	N/A	N/A	40	16	●

Same day dispatch. ● Lead time may apply.

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Pumping Stations

Above Ground Pumping Station

Trojan LARGE VORTEX

B

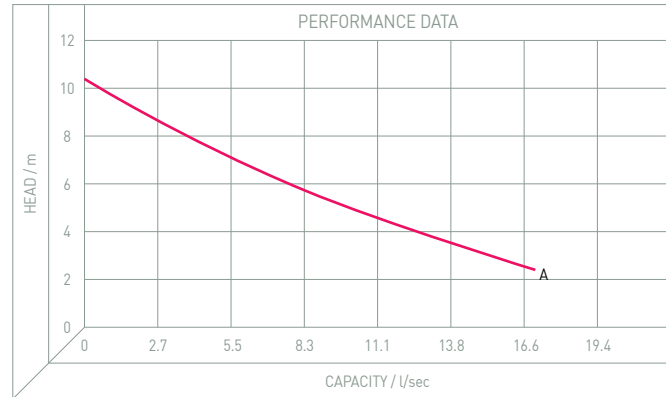
The Trojan Large Vortex range of compact pumping stations provides a complete unit supplied with vortex pumps, valves and control panel, with easy installation and maintenance.

FEATURES

- Polyethylene chamber
- 350L or 480L capacity
- IP57 – temporarily submersible
- Complete unit fitted with high efficiency single / dual vortex pumps
- Mechanical seal within oil bath
- DN 150mm inlet and DN100 outlet
- Pneumatic level control with LCD display, fault and alarm options available (IP65 rated)
- Maximum media temperature 55°C
- Integrated non-return valve
- 180mm minimum inlet height
- Supplied with 3.5m cable to motor and 3.5m pneumatic tube connecting Trojan to control unit (IP65 rated)



SCAN TO SHOP ONLINE



PUMP TYPE	CURVE	OUTPUT		MAXIMUM		RPM	TANK CAPACITY l	FREE PASSAGE mm	WEIGHT kg	DELIVERY STATUS
		amp	kW	HEAD m	FLOW l/sec					
TROJAN 350 VS 3.0 400V	A \	6.9	3.0	11	16.8	1400	350	115	43	●
TROJAN 480 VD 3.0 400V	A \	6.9	3.0	11	16.8	1400	480	205	43	●
MANUAL HAND PUMP	N/A	-	-	15	0.65L PER ACTION	N/A	N/A	40	16	●

Pumping Stations

Above Ground Pumping Stations



The Trojan Channel range of compact pumping stations provide a complete unit supplied with grinder pumps, valves and control panel, with easy installation and maintenance.

FEATURES

- Polyethylene chamber
- 480L or 1000L capacity
- IP57 – Temporarily submersible
- Complete unit fitted with single / dual channel pumps
- Up to 100mm Max solids handling
- DN150 inlet and DN100 outlet
- Pneumatic level control with LCD display, fault and alarm options available (IP65 rated)
- Supplied with 3.5m cable to motor and 3.5m pneumatic tube connecting Trojan to control unit

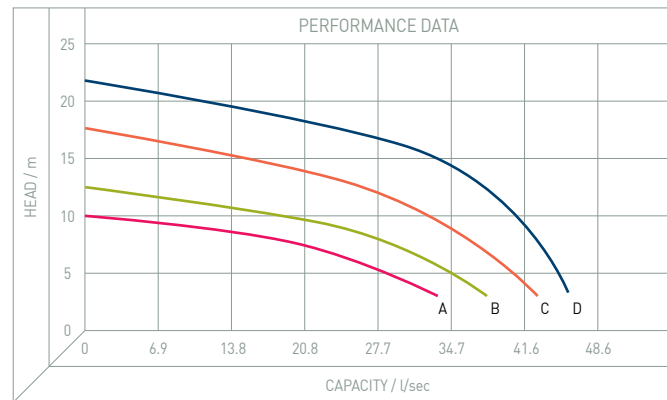


SCAN TO SHOP ONLINE



B

PUMPING STATIONS - 11



PUMP TYPE	CURVE	OUTPUT		MAXIMUM		RPM	TANK CAPACITY l	FREE PASSAGE mm	WEIGHT kg	DELIVERY STATUS
		amp	kW	HEAD m	FLOW l/sec					
TROJAN 55 CS 1.7/1 230V	A \	6.9	3.0	10	33.3	1400	480	8.5	210	●
TROJAN 55 CS 1.7/1 400V	B \	11.2	4.0	13	38.8	1400	480	8.5	220	●
TROJAN 55 CS 1.7/2 400V	C \	12.1	5.5	18	44.4	1400	480	8.5	225	●
TROJAN 55 CS 3.2/3 400V	D \	16.9	7.5	22	45.8	1400	480	8.5	240	●
TROJAN 55 CS 3.2/4 400V	A \	6.9	3.0	10	33.3	1400	1000	8.5	370	●
TROJAN 150 CD 1.7/1 400V	B \	11.2	4.0	13	38.8	1400	1000	8.5	385	●
TROJAN 150 CD 1.7/2 400V	C \	12.1	5.5	18	44.4	1400	1000	8.5	400	●
TROJAN 150 CD 3.2/3 400V	D \	16.9	7.5	22	43.8	1400	1000	8.5	425	●
MANUAL HAND PUMP	N/A	-	-	15	0.65L PER ACTION	N/A	N/A	40	16	●

Same day dispatch. ● Lead time may apply.

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Pumping Stations

Package Pumping Station

PUMPING STATIONS - 11



PLUTO MICRO

The Pluto Micro Pumping Station is designed primarily for smaller foul and surface water applications, basement conversions, cavity wall drainage etc. The T-T Pluto range retains the same robust features as the Planet® range, but in a compact design.

The fully automatic, single pump system is designed and built for reliability and long life, encompassing a high performance pump range that can be selected to meet your specific application.

All our pump stations are designed and manufactured in the UK.

FEATURES

- Strong rotomoulded Polyethylene Chamber
- Hexagonal shaped chamber body with flat faces to accommodate our range of duct seals and to allow for multiple inlet positions
- 1x Ø110mm inlet seal to accommodate standard drainage connections
- 1x Ø50mm seal for cable or ventilation duct
- Pedestrian rated access frame and cover pre-fitted
- 2" BSP discharge connection point
- Only available as a single pump system 230v 1Ph or 400v 3Ph
- Submersible automatic pump with internal ABS pipework and non-return valve, this system is operated by an integral float switch built into the pump.*Optional: Alert high level alarm, with float bracket kit & FLO102 float. [For 400v 3Ph pump systems, see our Libra Maxi range of control panels]

OPTIONAL

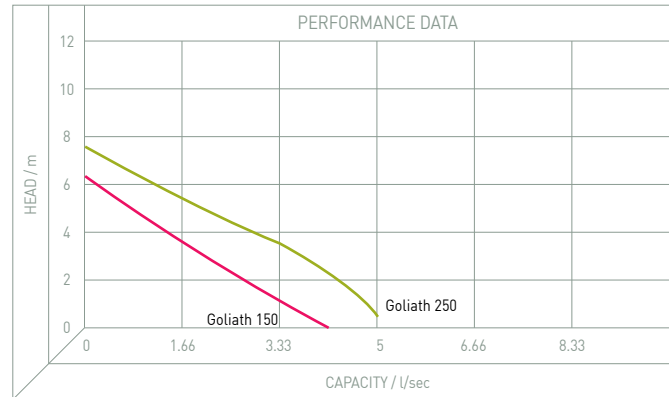
- Access cover 'Turret' to lower the depth of the chamber to suit site requirements



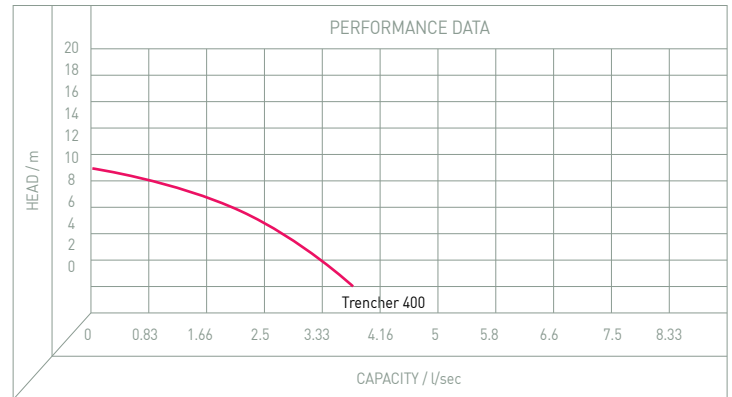
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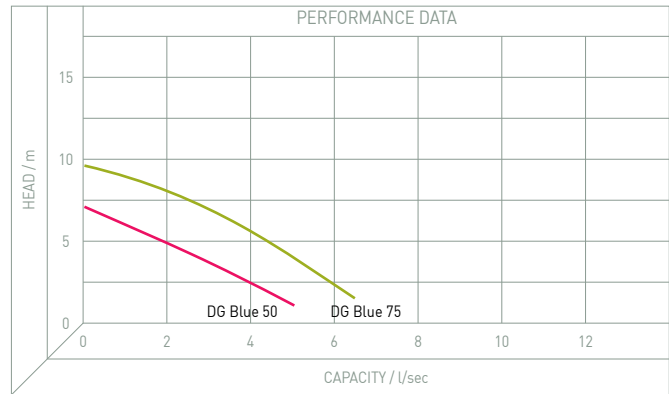
Drainage Water and Final Effluent Pumps



Drainage Water and Final Effluent Pumps



Sewage Water Pumps



Pumping Stations

Package Pumping Stations



The Pluto Pumping Station is the most effective means for collecting and removing excess water collected from cavity drainage systems.

The fully automatic unit is designed and built for reliability and long life and employs a high performance pump range that can be selected to meet your specific application. This range can also be used for small, domestic foul waste removal in an annex or extension.

For versatility there is an option for an extension turret of 355mm which can be trimmed to suit site floor levels.

FEATURES

- Strong rotomoulded Polyethylene chamber
- Hexagonal shaped chamber body, with flat faces to accommodate our range of duct seals, and to allow for multiple inlet positions
- 1x Ø110mm inlet seal to accommodate standard drainage connections
- 1x Ø50mm seal for cable or ventilation duct
- Pedestrian rated access frame and cover pre-fitted
- 2" BSP discharge connection point
- Available in single or dual pump configurations, 230v 1Ph or 400v 3Ph
- Version 1: Single submersible pump with internal ABS pipework, non-return valve and isolation gate valve. This system is operated by a mains powered control panel (single phase only), featuring indicator light and audible alarm with mute button, via float switches
- Version 2: Dual submersible pumps with internal ABS pipework, non-return valve and an isolation gate valve. This is operated by a mains powered dual control panel, (single phase only) featuring indicator light and audible alarm with mute button via float switches. [For 400v 3Ph pump systems, see our Libra Maxi range of control panels]

OPTIONAL

- Single mains powered pump for automatic operation and charging system
- Dual mains powered pumps for duty standby arrangement with dual pump control panel (230V)
- Extension turret is available for 355mm extra depth



SCAN TO SHOP ONLINE

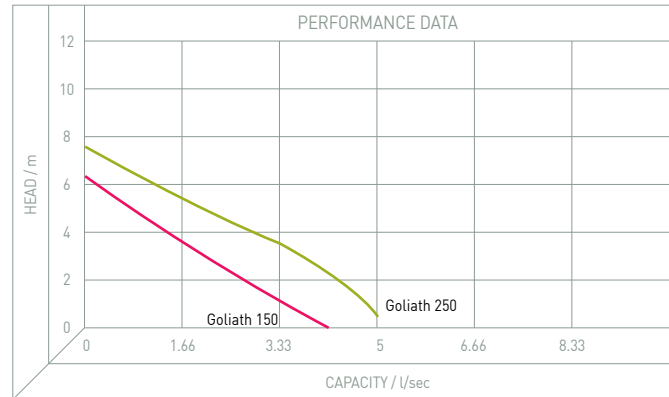


PLUTO WITH EXTENSION TURRET

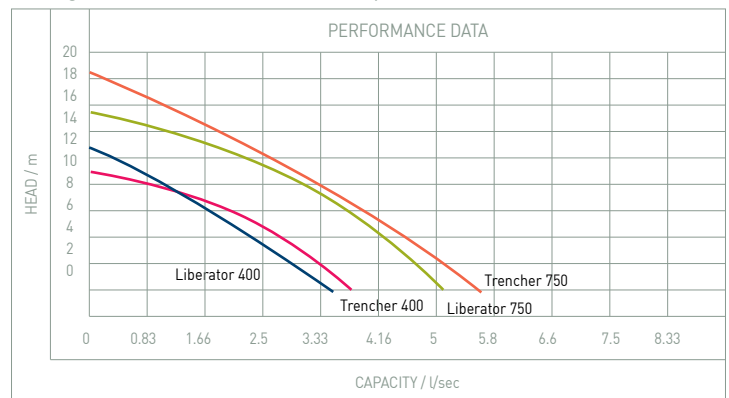
Please note: Factory fit only - no retrofit



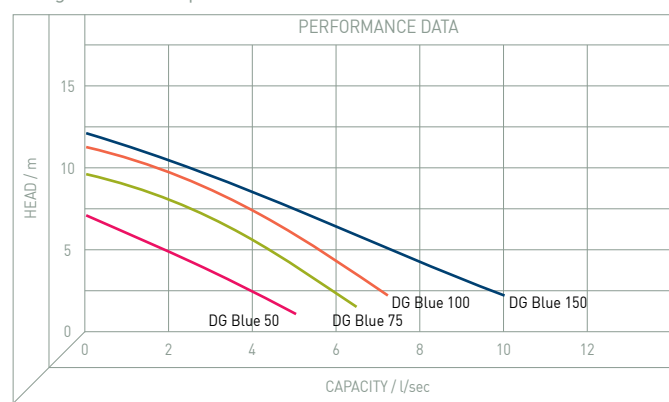
Drainage Water and Final Effluent Pumps



Drainage Water and Final Effluent Pumps



Sewage Water Pumps





Pumping Stations

Package Pumping Station

PUMPING STATIONS - 11



PLUTO MAXI

The extended Pluto range of BBA-approved package pumping stations is designed primarily for final effluent treatment plants, smaller foul and surface water applications, basement conversions and cavity wall drainage - available as 1.3m deep. T-T's Pluto Maxi Plus has the same robust features as the Planet® Range.

The fully automatic system, available in a single pump configuration, is designed and built for reliability and long life, encompassing a high-performance pump range that can be selected to meet your specific application. We can also offer this system in a sewage water configuration utilising a sewage ball valve.

All our pump stations are designed and manufactured in the UK.

FEATURES

- Strong 1.3m deep rotomoulded Polyethylene Chamber
- Hexagonal-shaped chamber body with flat faces to accommodate our range of duct seals and to allow for multiple inlet positions
- 1x Ø110mm inlet seal to accommodate standard drainage connections
- 1x Ø50mm seal for cable or ventilation duct
- Pedestrian-rated access frame and cover pre-fitted
- 2" BSP discharge connection point
- Supplied as a single pump system 230v 1Ph or 400v 3Ph (Dual configuration on request)
- Version 1: Submersible automatic pump with internal ABS pipework, heavy-duty hose and non-return valve - this system is operated by an integral float switch built into the pump. *Optional: Alert high-level alarm, with float bracket kit & FLO102 float
- Version 2: Submersible pump with internal ABS pipework, heavy-duty hose and non-return valve - this system is operated by a mains powered control panel, (single phase only) featuring indicator light, audible alarm with mute button, via float switches [For 400v 3Ph pump systems, see our Libra Maxi range of control panels]

OPTIONAL

- Access cover 'Turret' to lower the depth of the chamber to suit site requirements



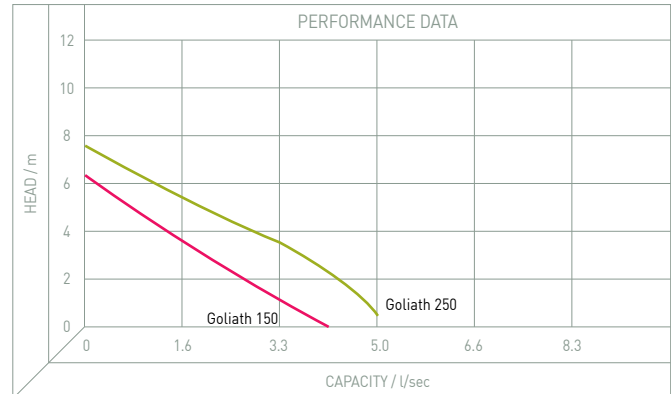
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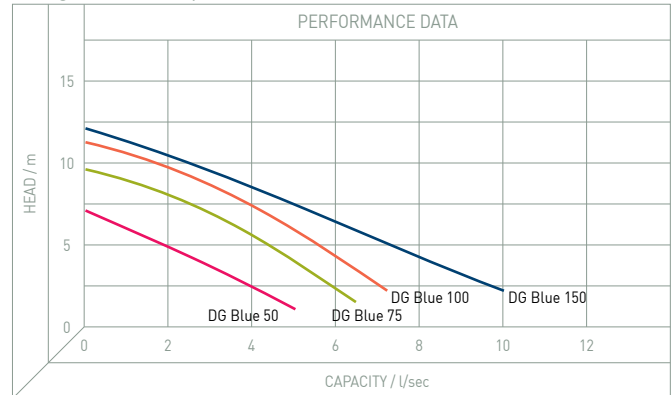
Please note: Factory fit only - no retrofit



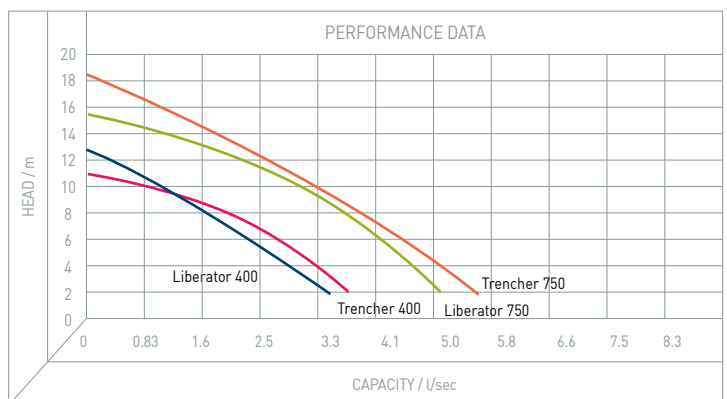
Drainage Water and Final Effluent Pumps



Sewage Water Pumps



Drainage Water and Final Effluent Pumps



Pumping Stations

Package Pumping Stations



PLUTO MAXI PLUS



The extended Pluto range of BBA-approved package pumping stations is designed primarily for final effluent treatment plants, smaller foul and surface water applications, basement conversions and cavity wall drainage - available as 2.0m deep. T-T's Pluto Maxi Plus has the same robust features as the Planet® Range.

The fully automatic system, available in a single pump configuration, is designed and built for reliability and long life, encompassing a high-performance pump range that can be selected to meet your specific application. We can also offer this system in a sewage-water configuration utilising a sewage ball valve.

All our pump stations are designed and manufactured in the UK.

FEATURES

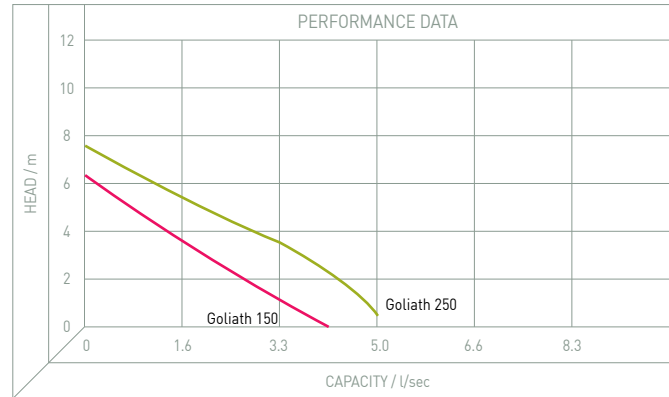
- Strong 2m deep rotomoulded Polyethylene Chamber
- Hexagonal-shaped chamber body with flat faces to accommodate our range of duct seals and to allow for multiple inlet positions
- 1x Ø110mm inlet seal to accommodate standard drainage connections
- 1x Ø50mm seal for cable or ventilation duct
- Pedestrian-rated access frame and cover pre-fitted
- 2" BSP discharge connection point
- Supplied as a single pump system 230v 1Ph or 400v 3Ph (Dual configuration on request)
- Version 1: Submersible automatic pump with internal ABS pipework, heavy-duty hose, and non-return valve - this system is operated by an integral float switch built into the pump.*Optional: Alert high-level alarm, with float bracket kit & FLO102 float
- Version 2: Submersible pump with internal ABS pipework, heavy-duty hose, and non-return valve - this system is operated by a mains powered control panel, (single phase only) featuring indicator light, audible alarm with mute button, via float switches [For 400v 3Ph pump systems, see our Libra Maxi range of control panels]



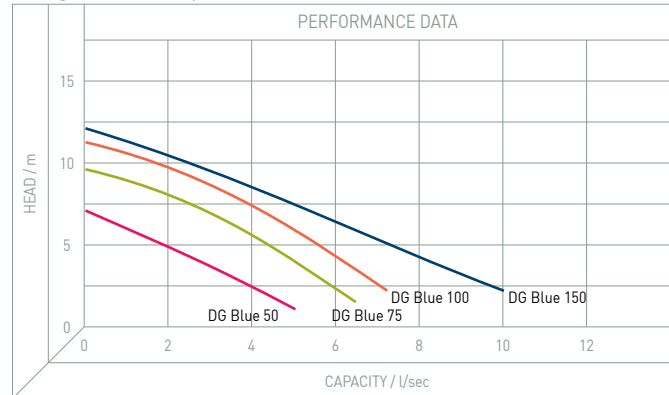
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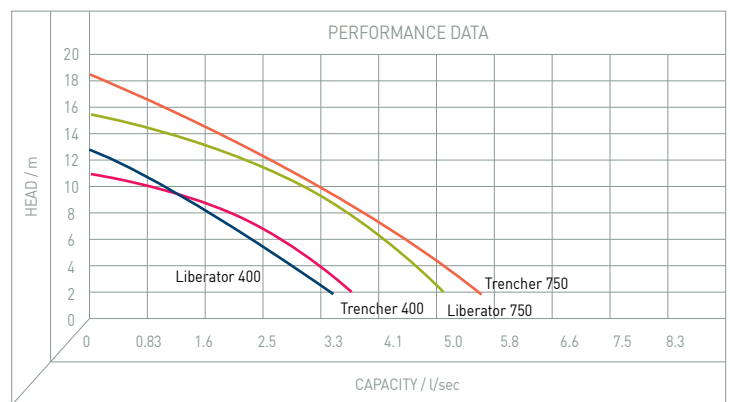
Drainage Water and Final Effluent Pumps



Sewage Water Pumps



Drainage Water and Final Effluent Pumps



Same day dispatch. Lead time may apply.

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Planet range

The Planet® Range of Package Pumping Stations, designed and manufactured by T-T and approved by the BBA, provide an efficient and economical way of installing a sewage/drainage pumping station.

FEATURES

- Factory built for rapid and low cost installation
- Time saving design reducing installation time and costs
- Pump chambers are well engineered and manufactured, having passed rigorous and detailed testing, site inspections and factory production control assessment by the British board of Agrément to achieve certification approval
- Each pump chamber is made of strong, medium-density polyethylene
- Smooth internal walls aid the hygienic disposal of effluents to avoid smells and septicity
- Packages come complete with pipework pre-assembled in the chamber, ready for installation into the ground after which the pumps and control equipment are added
- All package pumping stations are supplied with controls and a high-level alarm indicator for fully automatic operation
- Units can be adapted to suit individual requirements at the manufacturing stage
- Packages are available on short lead-times to fit in with tight construction schedules
- A comprehensive instruction manual is provided

A wide range of submersible pumps can be used for the Package Pumping Stations; we are able to select these from T-T's complete range, in order to match your requirements.

Please see page 62 for the selection questionnaire, which allows us to make the best selection for you.

IMPORTANT

The information given in this publication is for your initial guidance. For each scheme, general arrangement drawings are issued on receipt of order. For your further assistance, more comprehensive details are available, and we will be pleased to provide additional information and advice.

Our aim is to provide you with a completely satisfactory solution for your pumping needs.



SCAN TO WATCH VIDEO



MERCURY® / MERCURY® PLUS SINGLE/DUAL* PUMP

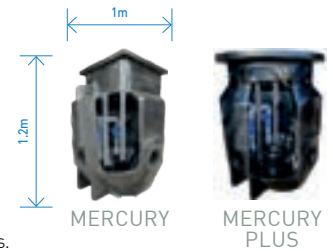
The Mercury® is ideal for small flows from a single dwelling and where excavation depth is limited.

COMPATIBLE PUMPS

- CUTTER 80mm
- GRINDER 50mm
- VORTEX 50mm/80mm

*Dual pumps only available with 50mm Vortex/Grinder.

*Extension turret available on Mercury® Plus.



VENUS® / VENUS® PLUS SINGLE/DUAL* PUMP

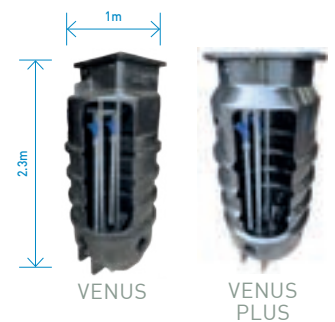
The Venus® chamber is the most popular size for use in a single dwelling, toilet block or small office.

COMPATIBLE PUMPS

- CUTTER 80mm
- GRINDER 50mm
- VORTEX 50mm/80mm

*Dual pumps only available with 50mm Vortex/Grinder.

*Extension turret available on Venus® Plus.

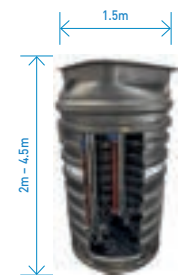


SATURN® DUAL PUMP

The Saturn® chamber is suitable for small housing and industrial/commercial developments, restaurants, small hotels/nursing homes, caravan sites.

COMPATIBLE PUMPS

- CUTTER 80mm 100mm
- GRINDER 50mm
- VORTEX 50mm/80mm/100mm
- CHANNEL 80mm/100mm



JUPITER® DUAL PUMP

The Jupiter® chamber is suitable for larger developments, hotels, hospital and sewage works. The basic unit is capable of special build modifications to provide capacities up to 15,500 litres and incorporation into schemes with Sewers for Adoption specifications.

COMPATIBLE PUMPS

- CUTTER 80mm/100mm
- GRINDER 50mm
- VORTEX 50mm/80mm/100mm
- CHANNEL 80mm/100mm/150mm



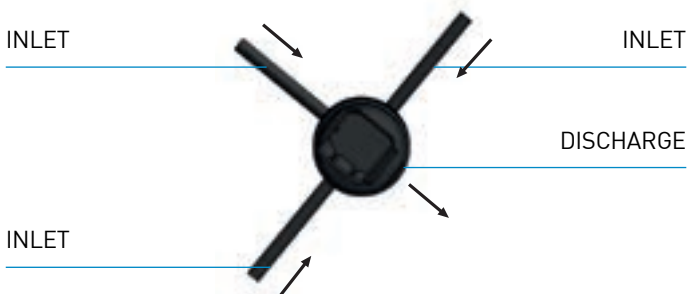
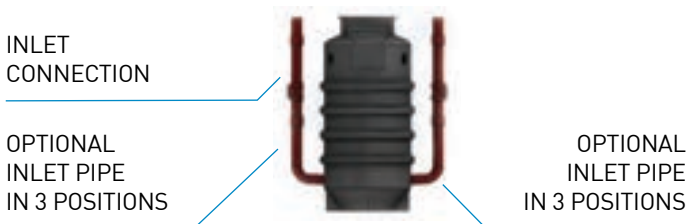
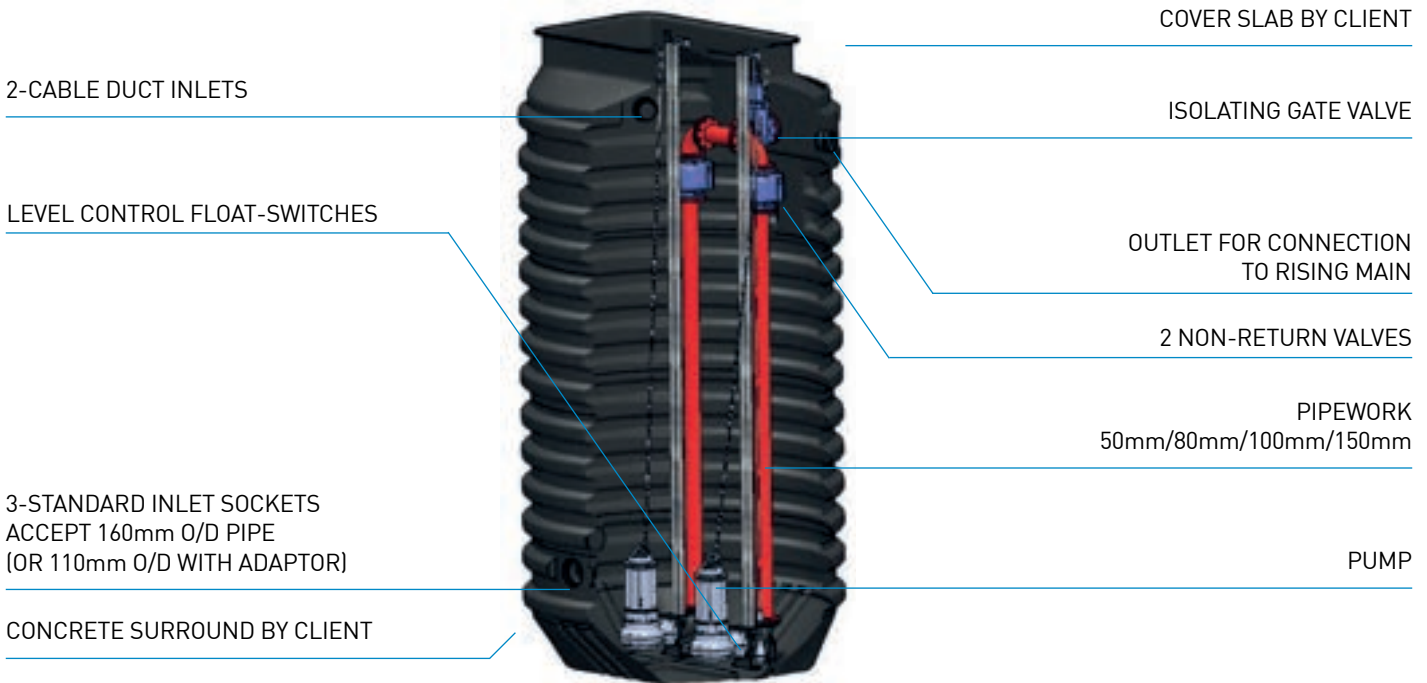
Pumping Stations

Package Pumping Stations



B

TYPICAL DUAL PUMP PACKAGE PUMPING STATION



EXTENSION TURRET



The extension turret is an innovative design that allows the installer to change the chamber installation depth to suit site specific levels.

The previous range was restricted to the station design depth only, however T-T have witnessed that, due to site complications and requirements, it would be useful to be able to extend the depth of the tank.

The extension turret is placed on top of the tank, clamped and sealed in place, and can be cut at set increments to adjust the height of the pumping station chamber to suit requirements.

Please note: The extension turret is available on the Mercury Plus and Venus Plus models.





and



The XL & XXL Planet® Range of Package Pumping Stations are designed and manufactured by T-T, providing an efficient and economical way of installing a sewage/drainage pumping station.

FEATURES

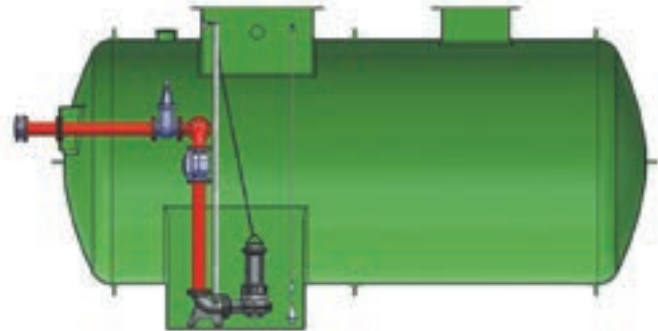
- Designed and manufactured in the UK
- Pump stations are well engineered and manufactured, having passed rigorous and detailed testing, site inspections and factory production control assessment
- Each pump chamber is made of strong GRP
- Smooth internal walls aid the hygienic disposal of effluents to avoid smells and septicity
- Packages come complete with pipework pre-assembled in the chamber ready for installation into the ground, after which the pumps and control equipment are added
- All package pumping stations are supplied with controls for fully automatic operation, with a high-level alarm indicator as standard
- Units can be adapted to suit individual requirements at manufacturing stage
- Packages are available on short lead-times to fit in with tight construction schedules
- A comprehensive instruction manual is provided

To avoid the need for expensive additional storage solutions, T-T offers a range of extra large (XL) and extra, extra large (XXL) pumping stations, catering to your emergency storage requirements within a single preformed unit.

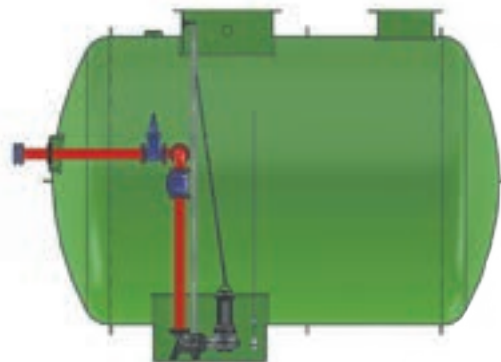
When effluent needs to be discharged to the local sewer network at a reduced weight (due to capacity/saturation), the XL and XXL range of package pumping stations can provide a single solution to hold/store flows and discharge at the permitted rate.

A wide range of submersible pumps can be used for the Package Pumping Stations; we are able to select these from T-T's complete range in order to match your requirements.

The XL and XXL range are also available without a sump.



XL WITH PUMP SUMP



XXL WITH PUMP SUMP

APPLICATIONS

- Domestic
- Commercial
- Industrial

IMPORTANT

The information given in this section is for your initial guidance. For each scheme, general arrangement drawings are issued on receipt of order.

For your further assistance, more comprehensive details are available and we will be pleased to provide additional information and advice. Our aim is to provide you with a completely satisfactory solution for your pumping needs.

Pumping Stations

Package Pumping Stations

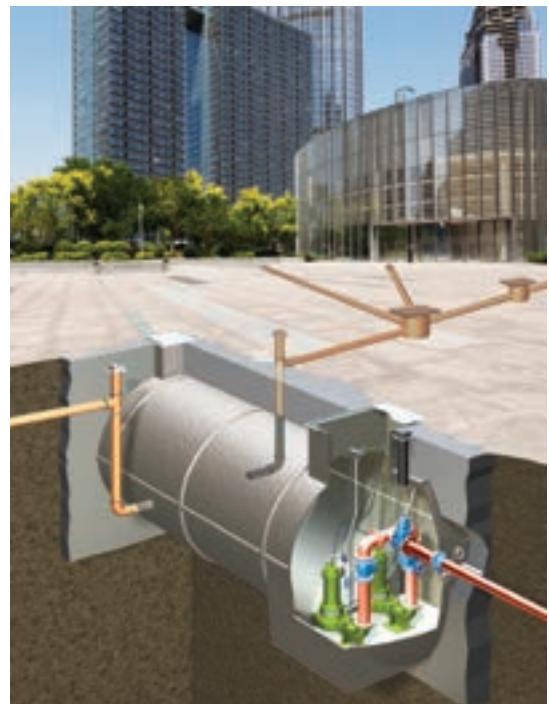


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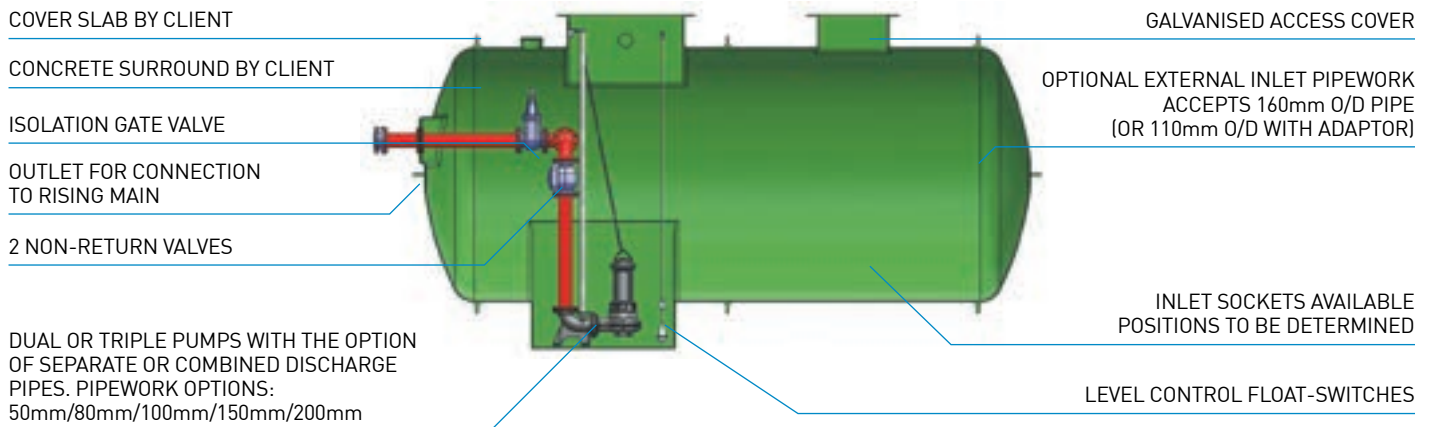


PUMPING STATIONS - 11

MODEL REF	CHAMBER SIZE LITRES	INTERNAL DIAMETER mm	INTERNAL LENGTH mm	EXTERNAL DIAMETER mm	EXTERNAL LENGTH mm	WITH SUMP PUMP HEIGHT mm
XL	10000	2200	3100	2400	3300	2900
XL	12500	2200	3750	2400	3950	2900
XL	15000	2200	4420	2400	4620	2900
XL	17500	2200	5070	2400	5270	2900
XL	20000	2200	5730	2400	5930	2900
XL	22500	2200	6390	2400	6590	2900
XL	25000	2200	7050	2400	7250	2900
XL	27500	2200	7710	2400	7910	2900
XL	30000	2200	8370	2400	8570	2900
XL	35000	2200	9680	2400	9880	2900
XL	40000	2200	1100	2400	11200	2900
XXL	25000	3200	3760	3450	4010	3900
XXL	30000	3200	4390	3450	4640	3900
XXL	32500	3200	4700	3450	4950	3900
XXL	35000	3200	5010	3450	5280	3900
XXL	37500	3200	5320	3450	5570	3900
XXL	40000	3200	5830	3450	5880	3900
XXL	42500	3200	5940	3450	6190	3900
XXL	45000	3200	6250	3450	6500	3900
XXL	47500	3200	6560	3450	6810	3900
XXL	50000	3200	6870	3450	7120	3900
XXL	55000	3200	7500	3450	7750	3900
XXL	60000	3200	8120	3450	8370	3900
XXL	65000	3200	8740	3450	8990	3900
XXL	70000	3200	9370	3450	9620	3900
XXL	75000	3200	9990	3450	10240	3900
XXL	80000	3200	10610	3450	10880	3900
XXL	85000	3200	11230	3450	11480	3900
XXL	90000	3200	11650	3450	12100	3900



TYPICAL DUAL PUMP PACKAGE PUMPING STATION



Same day dispatch. Lead time may apply.

ttpumps.com

+44 (0) 1630 647200

ADOPTABLE PUMPING STATIONS

STAGES FROM CONCEPT TO ADOPTION



DESIGN

Post receipt of order, a full set of mechanical and engineering drawings will be prepared for submission to the appropriate water authority.

EQUIPMENT MANUFACTURING

Once design approval has been obtained, the final manufacturing stage will commence for the pumps, control system, pipework, valves and ancillary equipment – a bespoke arrangement to your site’s specific requirements.

Lead times are kept to a minimum. Due to the in-house manufacturing of most equipment and our large stock-holding, there is no need for external resources.

INSTALLATION

All installation work is carried out by our own highly trained and skilled installation teams who have the necessary combined electrical/mechanical skills to install pumping stations. A full installation report is left with the developers’ site representative, detailing any items which need attention related to the civil work or the M&E installation prior to commissioning.

COMMISSIONING

Our commissioning engineers will undertake a full check of the installation, ensuring that it is safe and meets all of the required standards.

A full installation report will be given and a certificate of electrical completion is also issued once all equipment has been commissioned.



MAINTENANCE PERIOD

The mechanical and electrical equipment provided in our pumping systems are offered with a 12 month warranty as standard against any defective parts/faults. Unfortunately this does not include blockages, misuse or vandalism. Extended warranties can be offered on request.

Commissioning visits are followed up by our Service department with an offer of a maintenance contract. Our scheduled inspections and servicing reduce the risk of costly and avoidable breakdowns for your peace of mind.

Service visits can be tailored to meet your needs and can be adjusted as necessary.

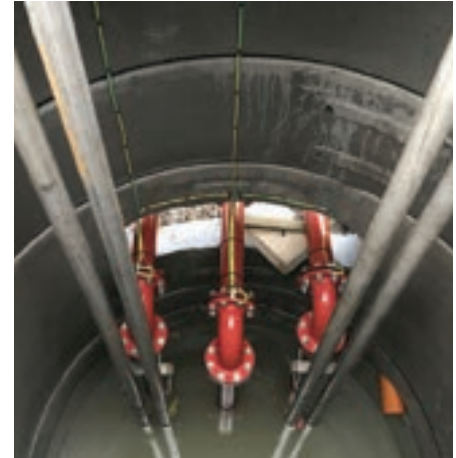


ADOPTION

We are familiar with the requirements of all Utility Companies, enabling us to provide the correct equipment to meet the needs of your particular scheme.

T-T will control the adoption process from concept through to adoption on your behalf, ensure a smooth handover to the Utility Company that incorporates all documentation from a design package to operating and maintenance manuals.

Pre-handover inspections are a standard feature of our service, liaising with the Adoptions Engineers to ensure a smooth and uninterrupted handover.



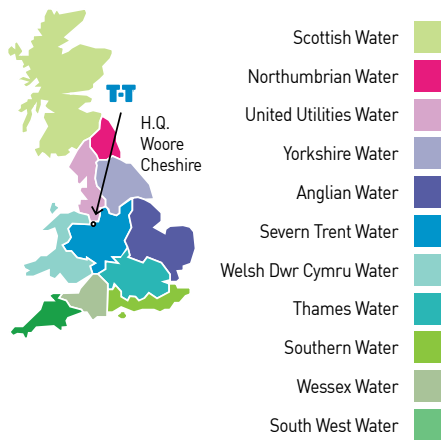
ADOPTABLE PUMPING STATIONS

STAGES FROM CONCEPT TO ADOPTION



WHAT IS PUMPING STATION ADOPTION?

The basis of Pumping Station Adoption is to ensure that the developer builds to a required standard and quality. To achieve 'adoption' of a pumping station the systems specification, build and installation need to be compliant with Local Water Company specifications and DCG (Design Construction Guidance). DCG is published by Water UK, they are the standards for the design and construction of sewers within the UK.



CONCEPT TO PROJECT

We like to be involved at the early stages to advise on the most effective way to position and construct the pumping station as well as the most economical solution. Each client will receive a single specialist to liaise with on a day-to-day basis who will manage the project.

TENDER/QUOTATION/ORDER

A competitively priced service is offered that will meet with your criteria, with no additional hidden costs. On receipt of official instruction to proceed you will receive an agreed programme of works.

DESIGN

In-house design facilities are used, incorporating the latest technology to create full design and manufacturing drawings, these will be specific to your project.

Having this feature in-house allows us greater flexibility to respond to design updates and amendments.

During the design process we will, if required, communicate with the Water Company and the developers' design team to ensure that all aspects of the pumping station are comprehensively covered.

Sewers for Adoption



PUMPING STATION ADOPTION

For housing developments, it's both practical and cost-effective to construct a wastewater and sewage pumping station that can be 'adopted' by the local water company – eliminating the developers' responsibility for future maintenance and running costs.

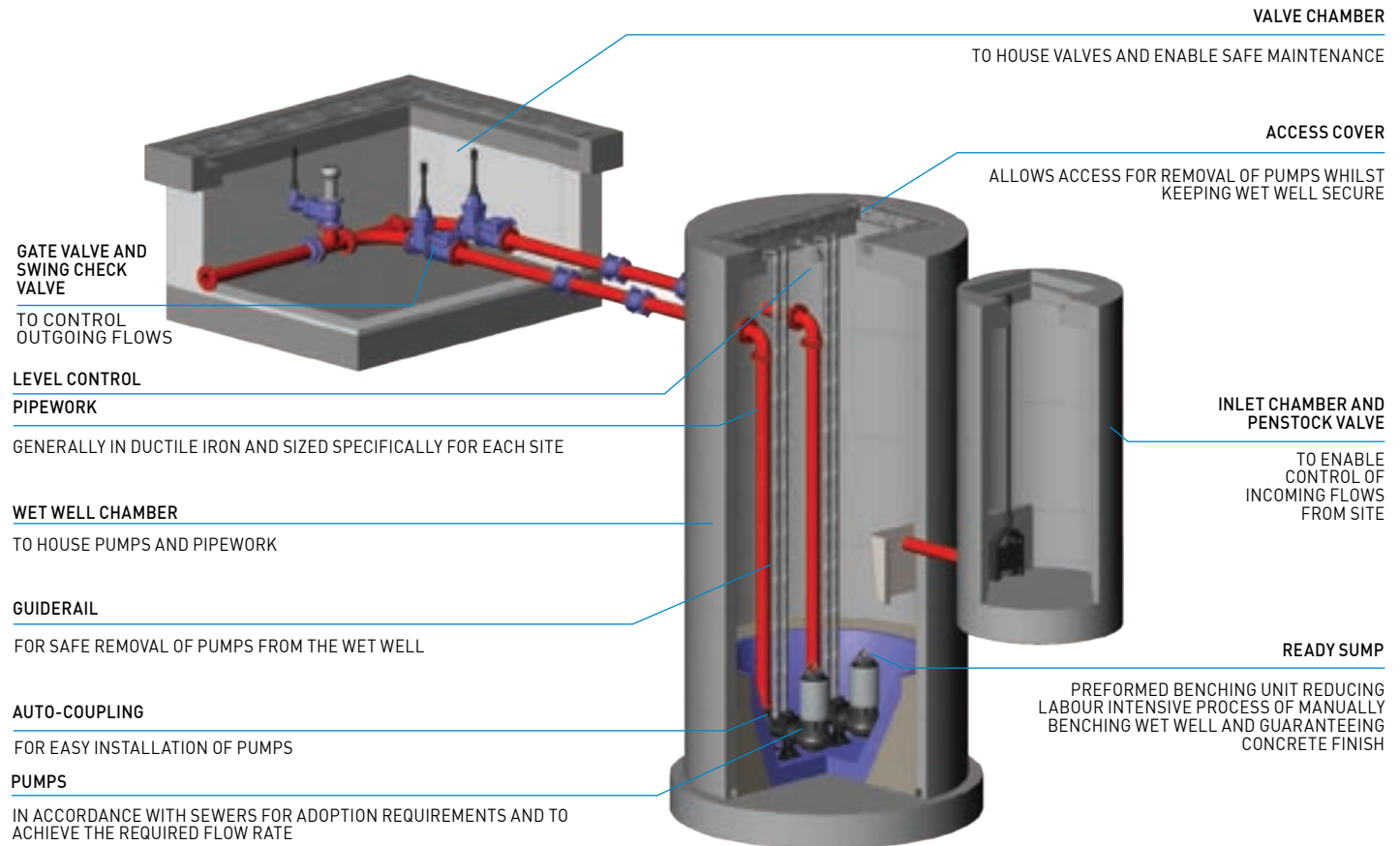
Having worked with all Water Companies over the years, T-T are fully aware of their requirements, expectations and current legislation. This enables us to ensure that your project runs smoothly and that the station is adopted within the fastest and most cost-effective time frame.

NAVS

- Icosa Water Services Ltd
 - Independent Water Networks Ltd
 - Leep Networks (Water) Ltd
- and many more...



ADOPTABLE PUMPING STATIONS



WHY CHOOSE T-T?

T-T ARE A ONE-STOP SHOP

We handle the whole process from initial enquiry to final installation, to commissioning and handover. We have six divisions, T-T Pumps, T-T Controls, T-T Flow, T-T Agricultural and Environmental, T-T Pumping Stations and T-T Service. This means that we can utilise each division's expertise to supply the best possible products supported by years of experience and knowledge.

NO SUB-CONTRACTING

T-T handles the whole process, this means we do not need to rely on sub-contractors to complete any stage of the work. Therefore we can guarantee lead times to project completions.

IN-HOUSE DRAWING AND MANUFACTURING

T-T have a dedicated design team who have the capabilities to complete drawings on 2D CAD and 3D solid works. This means we have full control over the design of the pumping station and can ensure this suits the site design.

COMPLETE PROCESS GUIDANCE

T-T ensures our clients are guided through the complete process, we ensure we give our clients the support they need to complete projects, while handling all the elements we need to ourselves.

PRE INSTALLATION INSPECTIONS

We will visit your site for a pre-installation check. We do this to make sure the site is ready for our installation team and to avoid any delays or complications during the installation process.

DETAILED DRAWINGS AND REPORTS

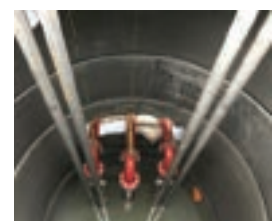
You will receive detailed drawings and reports, allowing you to effectively plan and incorporate your pumping station into the project management process.

LARGE STOCK HOLDING

T-T has a large stock holding of chambers, pumps, valves and ancillary equipment; meaning we can supply equipment to tight deadlines and schedules.

ESTABLISHED IN 1959

We have many years of experience and are professionals in providing the highest quality equipment which is installed to an extremely high standard.



Pumping Stations

Additional Services



SERVICE

SERVICE AGREEMENTS

As an owner or operator of a sewage or drainage pumping station, you will want peace of mind that your pumping station operates efficiently, whilst also being environmentally friendly.

Our service agreements help to meet these aims and avoid unexpected and costly breakdowns. With our skilled in-house group of experts and on-site engineers, we are able to offer a comprehensive after sales service to a large number of customers, provided by the experienced maintenance team at T-T.

DUTY OF CARE

Avoid detrimental flooding by ensuring your pumping station is regularly serviced. The owners and operators of pumping stations have a duty of care to ensure minimal environmental damage.

BENEFITS

- Reduced running costs, including energy and maintenance
- Greater life expectancy for pumping equipment
- Reduced risk of breakdown
- Better plant utilisation and return on capital
- Improved environmental conditions
- Preferential terms for parts and labour, and priority response for service attendance on-site with a service agreement

TANKERING

We can assist in getting your pumping station tankered and jetted with our tankering partners.

Let us take the stress away by arranging and co-ordinating this for you. T-T only work with professional companies who we have built up good working relationships with and who we trust. We liaise with the company, book visits, raise purchase orders and pay invoices. We charge a 15% admin fee on top of the tankering company invoice.

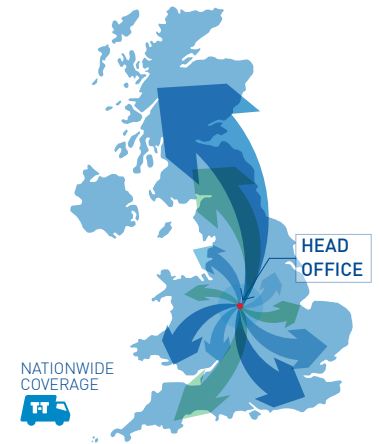
Please note: We are unable to give accurate quotes for this service as it depends on the time spent on site and disposal amounts.

WATER TESTING

We carry out full water testing backed by full certification for TVC22C, TVC37C, E.coli, Conliforms, Pseudomonas and Legionella.

COMPLETE PACKAGES

1. Purchase your pumping stations from us.
2. Have it installed by our fully trained mechanical and electrical engineers.
3. Take the worry out of maintaining a pumping station by taking out a T-T Service Agreement.



	T-T LEVEL ONE	T-T LEVEL TWO	T-T LEVEL THREE
	The standard package includes two services per year for dual stations and one service per year for a single station.	This package includes all the standard package benefits plus our Seer monitoring services. Our monitoring service ensures your station is monitored by T-T 24/7.	Our premier agreement includes two services per year, all parts plus one pump per year if required, plus two breakdown call outs.
SERVICE	T-T LEVEL ONE STANDARD	T-T LEVEL TWO ADVANCED	T-T LEVEL THREE PREMIER
Comprehensive service of pumping equipment as per our example service schedule	●	●	●
Return of any failed pumps to our workshop for quotation of repair or replacement	●	●	●
Full comprehensive service reports	●	●	●
Priority breakdown charged at our standard hourly rate	●	●	●
15% discount on all T-T products for the site registered on the Service Agreement	●	●	●
Arrangement of tankering with our partners (15% administrator fee)	●	●	●
Monitoring of pumping station, including weekly status reports and advice on failures (subject to conditions of our out of hours contract)		●	● *Optional
One pump replacement if required			●
Two breakdowns, one T-T pump and all T-T parts (only available on T-T installed stations)			●

Please note: *Monitoring available on all Level 3 agreements

CONTINUED PROFESSIONAL DEVELOPMENT

Since 1959 T-T have been dedicated to making fundamental information surrounding pumps, valves, controls, pumping stations and environmental equipment accessible to all.

Our RIBA-approved Pumping Stations CPD brings you comprehensive pump station knowledge, available from the comfort of your own office (or ours!).

The CPD Seminar – approximately 45 minutes long and delivered by our expert technicians – is interactive and informative, focusing on a variety of pumping station topics.



HOW TO BOOK A RIBA APPROVED CPD WITH T-T

We can present a RIBA CPD at a time and location to suit you, such as an on-site lunch and learn package or virtual seminar via Teams.

You can book a CPD with us in a number of ways:

1. Visiting: <https://www.ttpumps.com/request-cpd-seminar>
2. Calling +44 (0) 1630 647200
3. Completing the form below and sending it to T-T Pumps Ltd, Onneley Works, Newcastle Road, Woore, Cheshire, CW39RU.



SCAN TO
REQUEST
A CPD

Our RIBA approved CPD gives you the knowledge you need for pumping station selection. The CPD looks at the difference between private and adoptable pumping stations. It details the issues that need to be considered when specifying a pumping station in a range of different developments.

The CPD covers the following topics:

- Functionality of a pumping station
- Design considerations
- Installation process
- Operation
- Maintenance and after-care
- Relevant statutory issues

BOOKING FORM: RIBA CPD

FIRST NAME:	LAST NAME:	
EMAIL:	TELEPHONE:	
PREFERRED DATE AND TIME:	APPROXIMATE NUMBER OF ATTENDEES:	
COMPANY NAME:	POST CODE:	

DO YOU HAVE ANY PRESENTATION FACILITIES (PROJECTOR AND SCREEN):

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LIQUIDS UNDER CONTROL

T-T Pumps® **T-T Controls®** **T-T Flow®** **T-T Pumping®** **T-T Agricultural®** **T-T Service®**
& Automation Valves Stations & Environmental

T-T Pumps Ltd, Onneley Works, Newcastle Road, Woore, Cheshire, CW3 9RU, United Kingdom

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