



Bürkert Air

CABINET SOLUTIONS

We make ideas flow.

bürkert
FLUID CONTROL SYSTEMS

What's in the box?

The industry has a need for pneumatic pilot valve panels.

Bürkert has the answer with **Bürkert Air – Cabinet Solutions.**

Pneumatics are at the heart of process control systems.

Bürkert locally manufactures process pneumatics and field instruments, and understands both sides of the process system equation.



The latest release from us is Bürkert Air Cabinet Solutions. Simple mounting pneumatic valves and I/O on manifold plates that can easily be loaded into a pre-cut cabinet. The manifold plate includes all fittings and bulkheads, in full stainless steel, and the cabinets are IP66 certified. Importantly, the assembly effectively eliminates labour – which drastically improves delivery times and cost efficiency. Bürkert Air Cabinets offer solutions for fast, cost effective, delivery of pneumatic or electropneumatic control cabinets.

Features + Benefits



Four sizes of manifolds with industrial Ethernet or traditional 24VDC hardwired variants include:

- 8, 12, 16, 24 station in 8652 for industrial Ethernet option
- 8, 12, 16, 24 station in 8640 for 24VDC traditional hardwired option



All panels are IP66, 316 stainless steel with wall mounting brackets for easy installation. Each panel has been designed with ease of installation, commissioning and serviceability in mind



All panels are complete with general arrangement (GA), electrical and pneumatic drawings as standard



All panels are built in-house at Bürkert Australia's HQ in Sydney



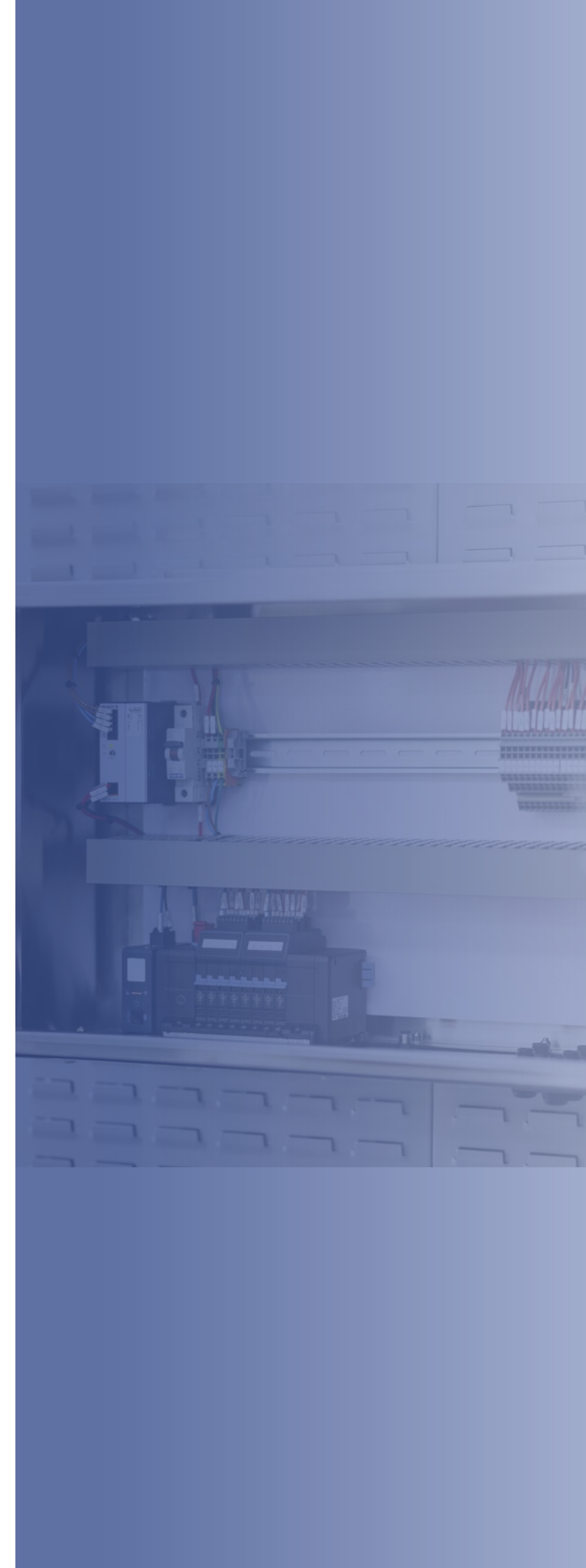
All panels are fully tested QA / FAT certificate supplied as standard



Quick delivery (typically 3-4 weeks)

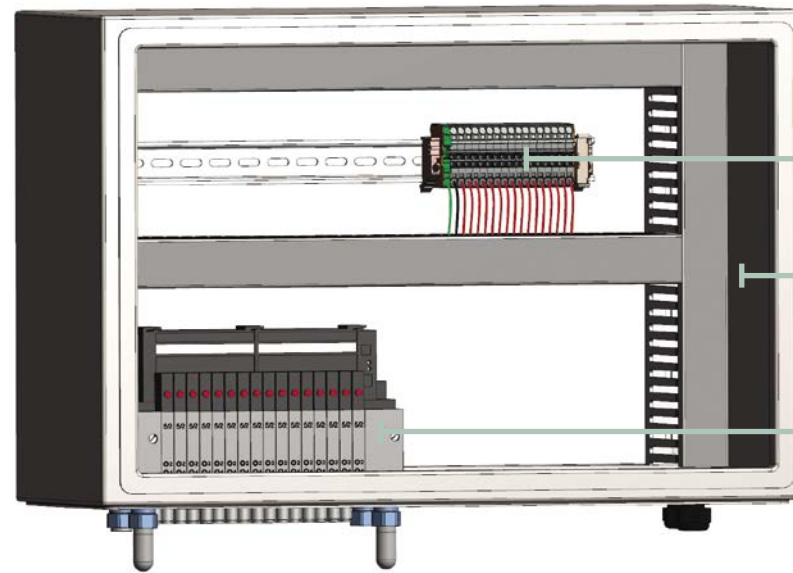


Customised version available on request



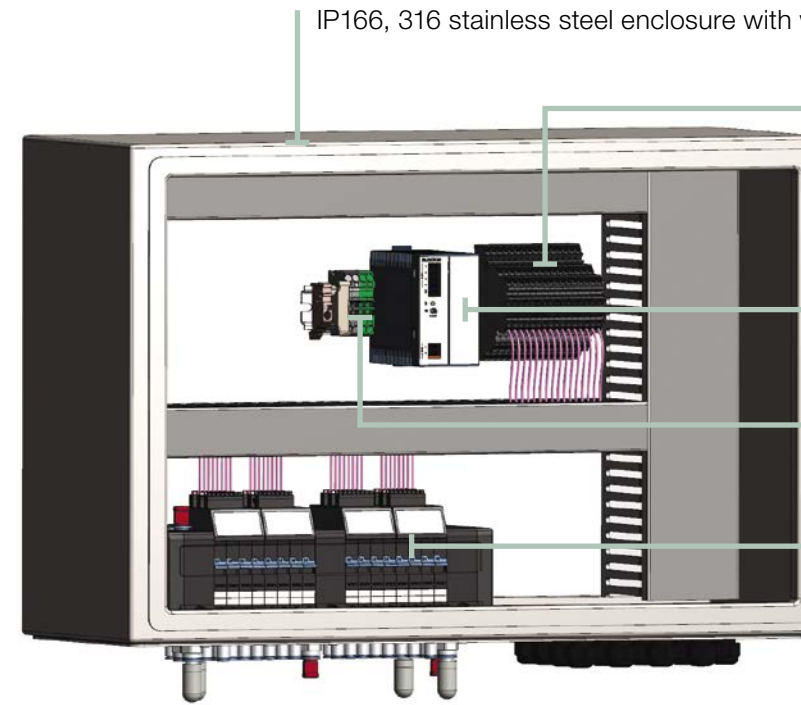
Technical Features

16 STATION 24VDC HARDWIRED VERSION SHOWN

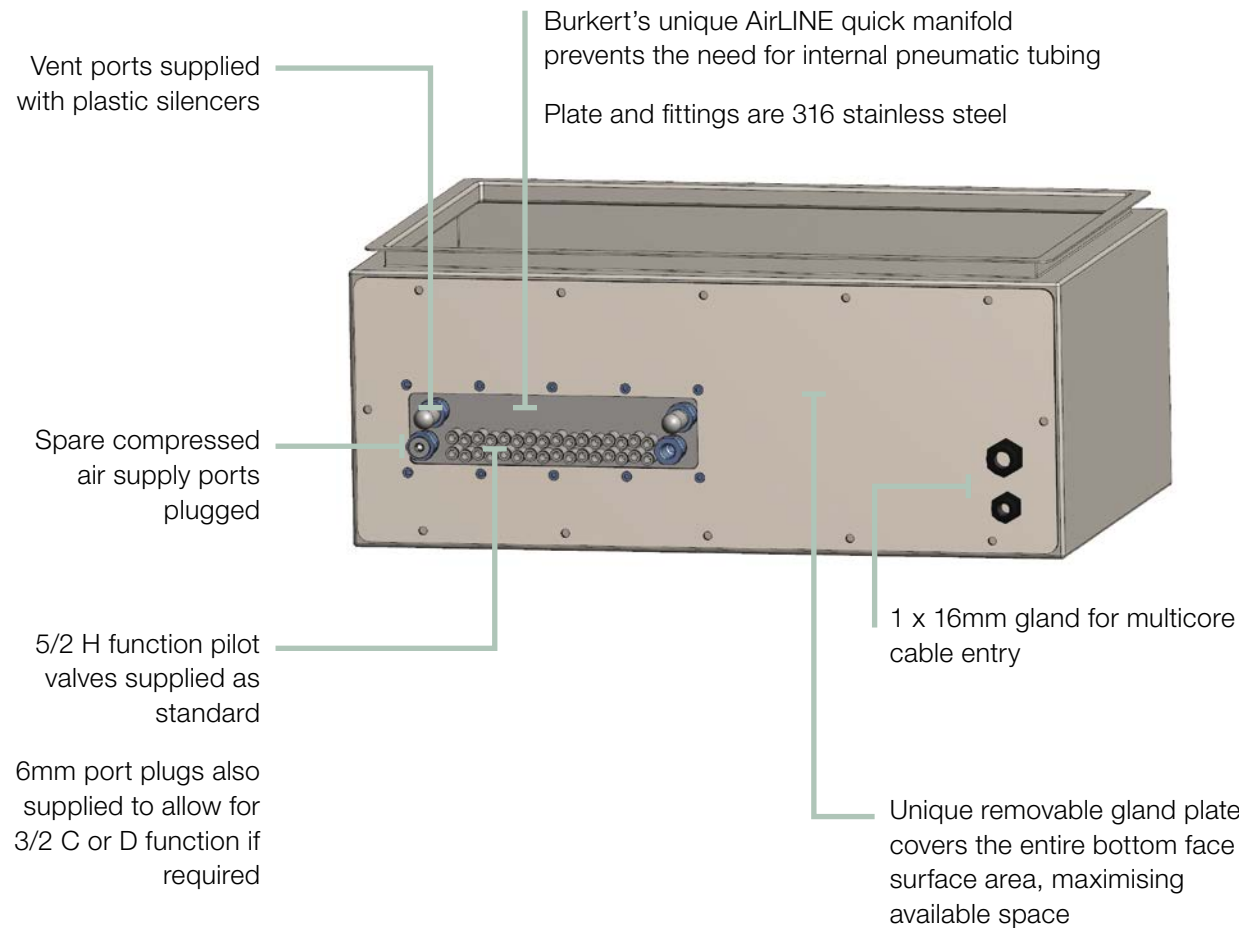


- IP166, 316 stainless steel enclosure with wall mounting brackets
- All pilot valves are pre-wired to DIN terminals with terminal and wire markers
- Cable duct with sufficient space for incoming multicore cable
- Type 8640 AirLINE Quick pneumatic valve manifold with 5/2 H function pilot valves ~300LPM with hot swap check valves and manual overrides as standard

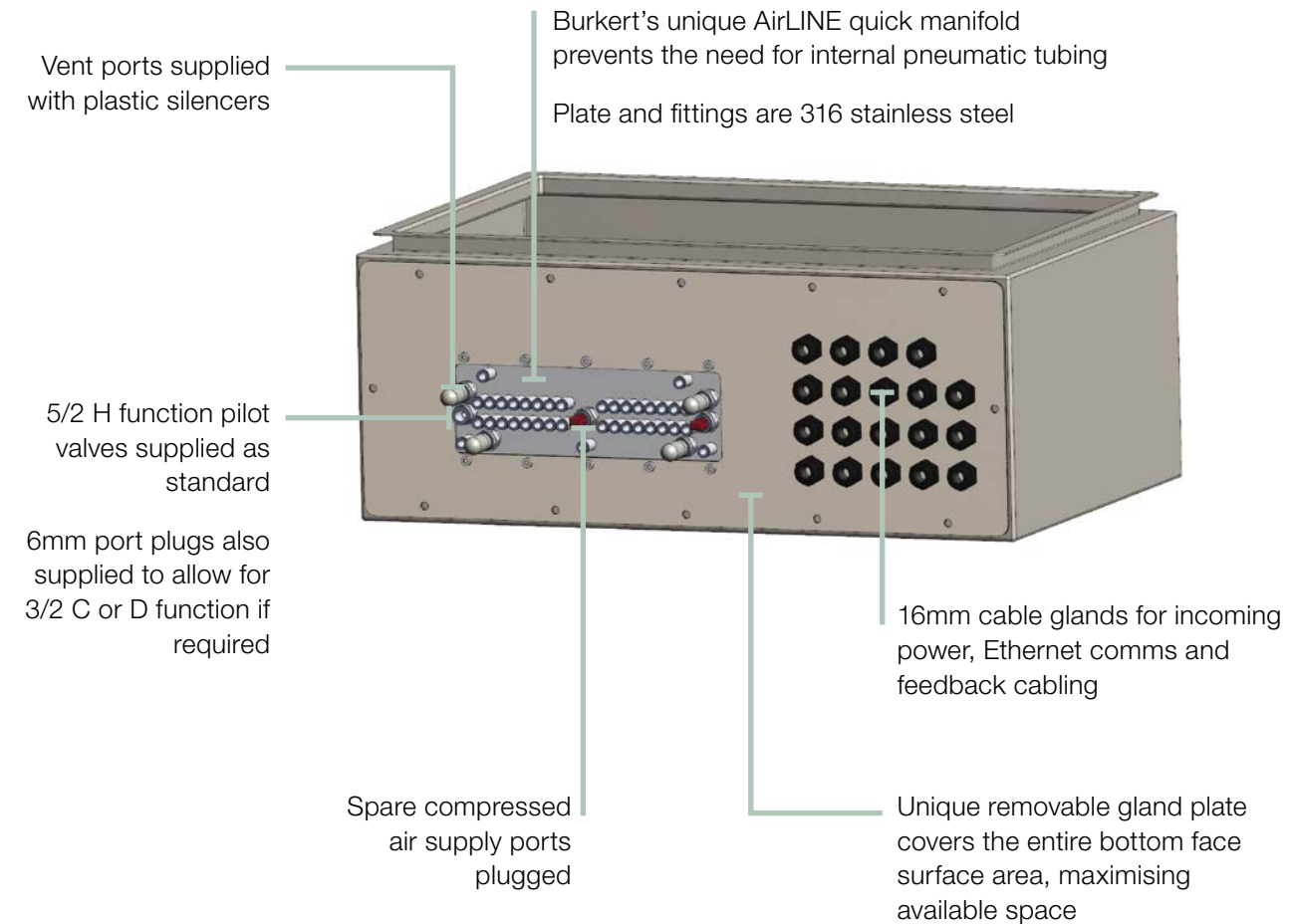
16 STATION INDUSTRIAL ETHERNET VERSION SHOWN



- IP166, 316 stainless steel enclosure with wall mounting brackets
- All digital inputs (for opened / closed feedback from field actuators) are pre-wired to triple deck marshalling terminals from the valve manifold
- Burkert type 1573 power supply 24VDC (2A)
- Marshalling terminals for incoming 240VAC supply
- Type 8652 with 5/2 H function pilot valves ~300LPM with digital input feedbacks, built in air pressure monitoring, hot swap, check valves and manual overrides as standard. Ethernet IP, Profinet, Modbus TCP & EtherCAT protocols as standard.



- Vent ports supplied with plastic silencers
- Burkert's unique AirLINE quick manifold prevents the need for internal pneumatic tubing
- Plate and fittings are 316 stainless steel
- Spare compressed air supply ports plugged
- 5/2 H function pilot valves supplied as standard
- 6mm port plugs also supplied to allow for 3/2 C or D function if required
- 1 x 16mm gland for multicore cable entry
- Unique removable gland plate covers the entire bottom face surface area, maximising available space

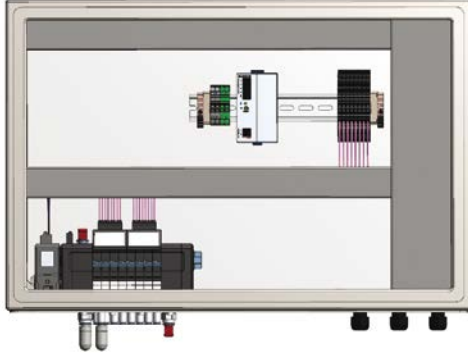
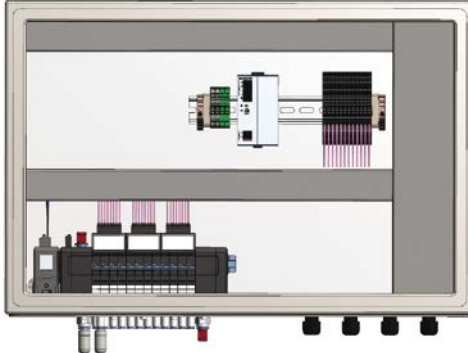
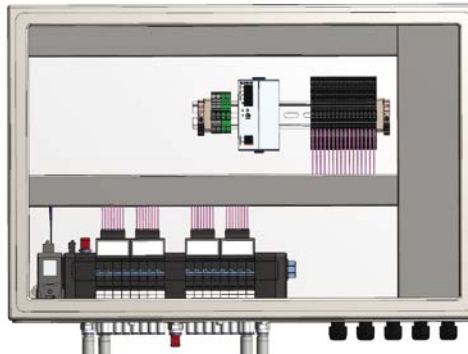



- Vent ports supplied with plastic silencers
- Burkert's unique AirLINE quick manifold prevents the need for internal pneumatic tubing
- Plate and fittings are 316 stainless steel
- 5/2 H function pilot valves supplied as standard
- 6mm port plugs also supplied to allow for 3/2 C or D function if required
- 16mm cable glands for incoming power, Ethernet comms and feedback cabling
- Spare compressed air supply ports plugged
- Unique removable gland plate covers the entire bottom face surface area, maximising available space

Ready-to-Assemble Cabinets

PANEL SIZES

24VDC HARDWIRED VERSIONS	Description	Size	ID#
	8 Station 8640	350H 350W 250D	92187753
	12 Station 8640	350H 350W 250D	92187754
	16 Station 8640	400H 600W 250D	92187755
	24 Station 8640	400H 600W 250D	92187756

INDUSTRIAL ETHERNET VERSIONS	Description	Size	ID#
	8 Station 8652	400H 600W 250D	92187757
	12 Station 8652	400H 600W 250D	92187758
	16 Station 8652	400H 600W 250D	92187759
	24 Station 8652	400H 800W 250D	92187760

Accessories

PNEUMATIC FITTINGS

TECHNICAL DATA	For spring return
Body material	Nickel plated brass
Medium	Air
Connection	Push-in

PNEUMATIC FITTINGS	Push-in ø 6mm	Push-in ø 8mm	Push-in ø 10mm	
	Straight Adaptor M5	780 556	-	-
	Straight Adaptor G 1/8	780 003	780 005	-
	Straight Adaptor G 1/4	780 004	780 006	780 008
	Straight Adaptor G 3/8	-	780 007	780 009
	Straight Adaptor G 1/2	-	-	-
	Swivel Elbow M5	-	-	-
	Swivel Elbow G 1/8	92152001	92152003	-
	Swivel Elbow G 1/4	92152002	92152004	771 330
	Swivel Elbow G 3/8	-	92152005	92152007
	Swivel Elbow G 1/2	-	-	92152008
	Stem Adaptor M5	780 022	-	-
	Stem Adaptor G 1/8	780 026	780 028	-
	Stem Adaptor G 1/4	780 027	780 029	780 031
	Stem Adaptor G 3/8	-	780 030	780 032
	Stem Adaptor G 1/2	-	-	-
	Bulkhead Connector	780 049	780 050	780 051
	Equal Elbow	780 013	780 014	780 015
	Equal Tee	780 018	780 019	780 020
	Straight Pipe Connector	780 036	780 037	780 038
	6mm Stem x Tube Reducer	-	-	-
	8mm Stem x Tube Reducer	780 042	-	-
	10mm Stem x Tube Reducer	780 043	780 044	-
	12mm Stem x Tube Reducer	780 046	780 047	781 013
	Female Straight Adaptor G 1/8	782 276	782 277	-
	Female Straight Adaptor G 1/4	782 279	782 280	-
	Straight Tube Connector	782 282	782 283	782 284

Accessories

AIR PREPARATION TPM

TECHNICAL DATA	Filter Regulators
Fluids	Compressed air
Fluid temperature	0 to +50 °C to 10 bar (higher range on request)
Max. input pressure	0 to 10 bar / 0 to 16 bar

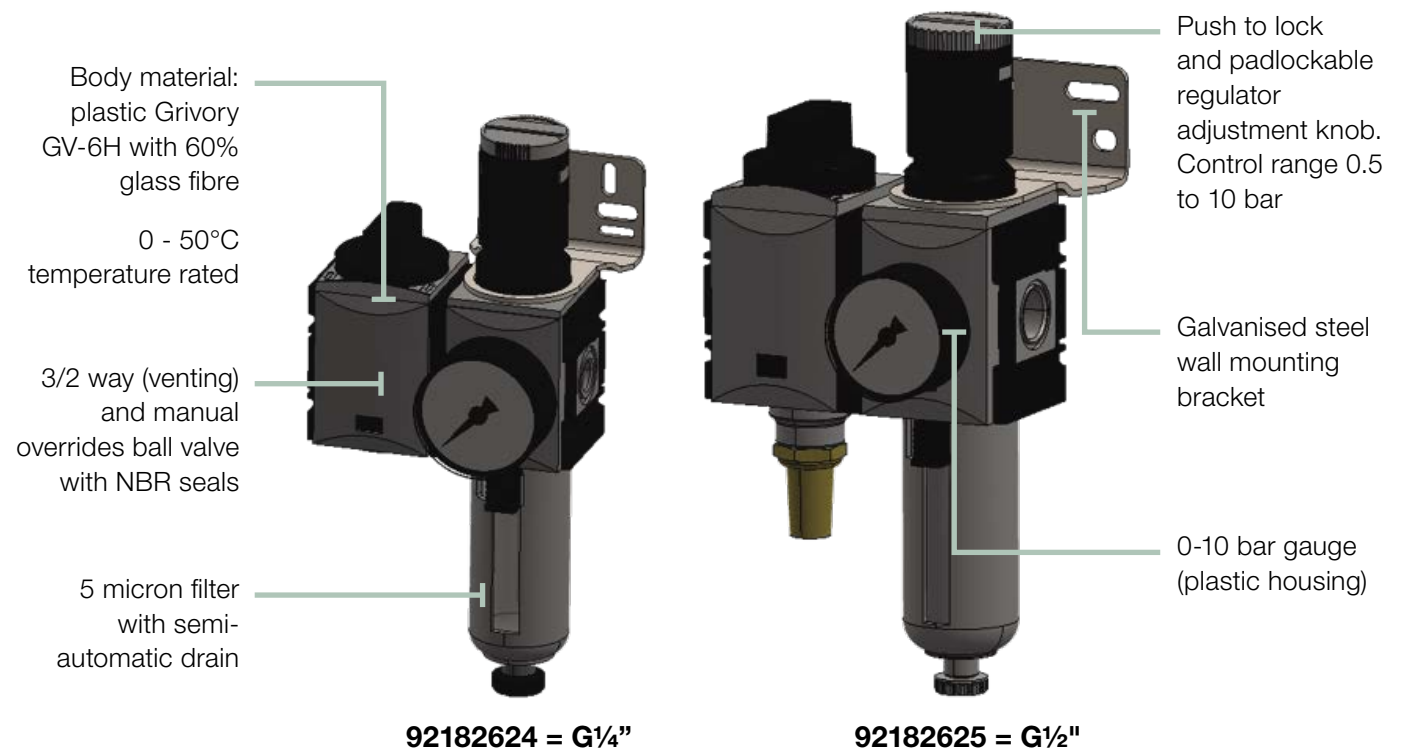
FILTER REGULATOR KITS

Filter-regulator assemblies to suit Bürkert valve panels condition air, removing moisture and odours from air supply. Conditioned air promotes long actuator service life, diminishing the chance of and associated tubing is available.

Burkert TPM001 filter regulator kits can be offered to accompany each panel.

Available in 1/4" and 1/2" versions:

- 92182624 = G1/4" ~2200 LPM flow (size 1)
- 92182625 = G1/2" ~5200 LPM flow (size 2)



PNEUMATIC TUBE	Colour	Outer Diameter			
		ø 6mm	ø 8mm	ø 10mm	
	Standard tube (polyethylene)	Black	92108100	92108230	92110790
		Blue	92152076	92107180	92152077
	High performance tube (Nylon 12, Rilsan)	Black	92103280	92104110	92103830
		Blue	92108440	92100920	92102860
Hygienic process tube (PVDF material)	Opaque white	92152401	92152402	92152403	



Qualified field specialists provided for the life of your product

Service // On-site + off-site support for faults, analysis, plus system implementation and optimisation.

Installation // Assistance to get you up and running. Upgrades or new installs, our team can support with on-site installation.

Calibration // On-site inspection + re-calibration of sensors and transmitters to ensure your system is running optimally.

Training // Online Academy with certified trainers or hands on training for engineers + maintenance teams.

Maintenance // On-site health checks and review of application performance can increase efficiencies + reduce downtime. Quick turnaround on parts and repairs.

Three ways to your solution

At Bürkert we provide a number of solutions for our customers so they can get what they need, when they need it. Fast and efficient 24/7 ordering through our eShop, strong collaboration with our technical sales staff and working personally with our team of Bürkert experts for customised projects.

Standard Products
Order online



Time saving

Product Solutions
Contact us



Ideal product

Complete Solutions
Develop solutions with us



Perfect fit

bürkert
plus



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