

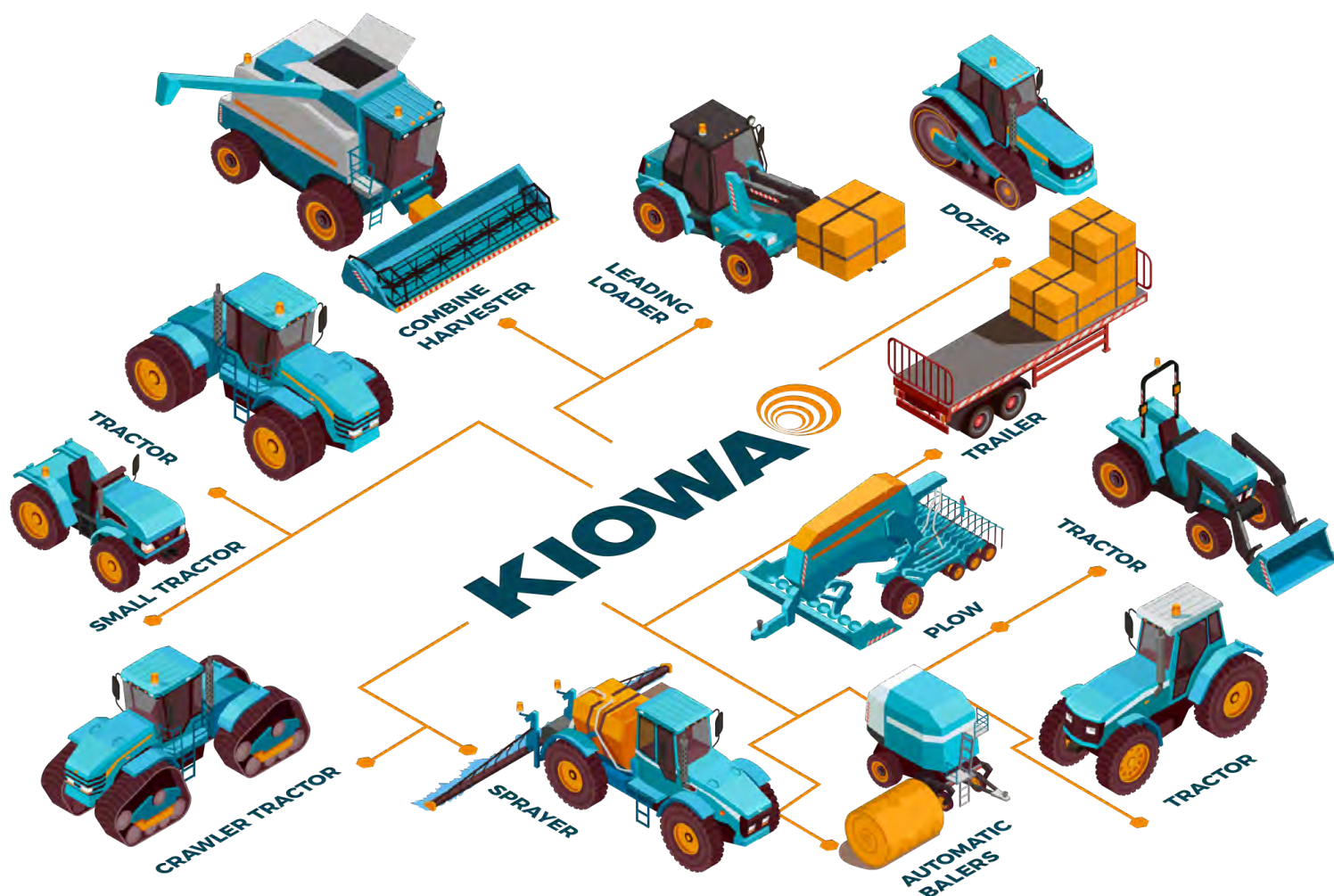


// AGRICULTURE



// KIOWA: AGRICULTURE EXPERTISE

Kiowa offers a **complete range of industrial hose and fittings specifically designed** to meet the demands of the **agriculture industry**, whether you're attempting to irrigate 100's of hectares or apply the next round of crop pesticides. We can provide agricultural solutions for a wide array of applications, supporting farms, orchards, smallholdings, abettors, fisheries, biogas sites, & flower producers.



As well as product, Kiowas Site Services teams are on hand when and where you need them. Whether this is **planned maintenance**, or **rapid response for your agricultural machinery**, we offer **hose maintenance, hose testing & health check surveys, replacement, safe disposal, and stock management.**

The industrial products combine high-quality materials and precision manufacturing to ensure durability, reliability, and long-lasting performance in agriculture.

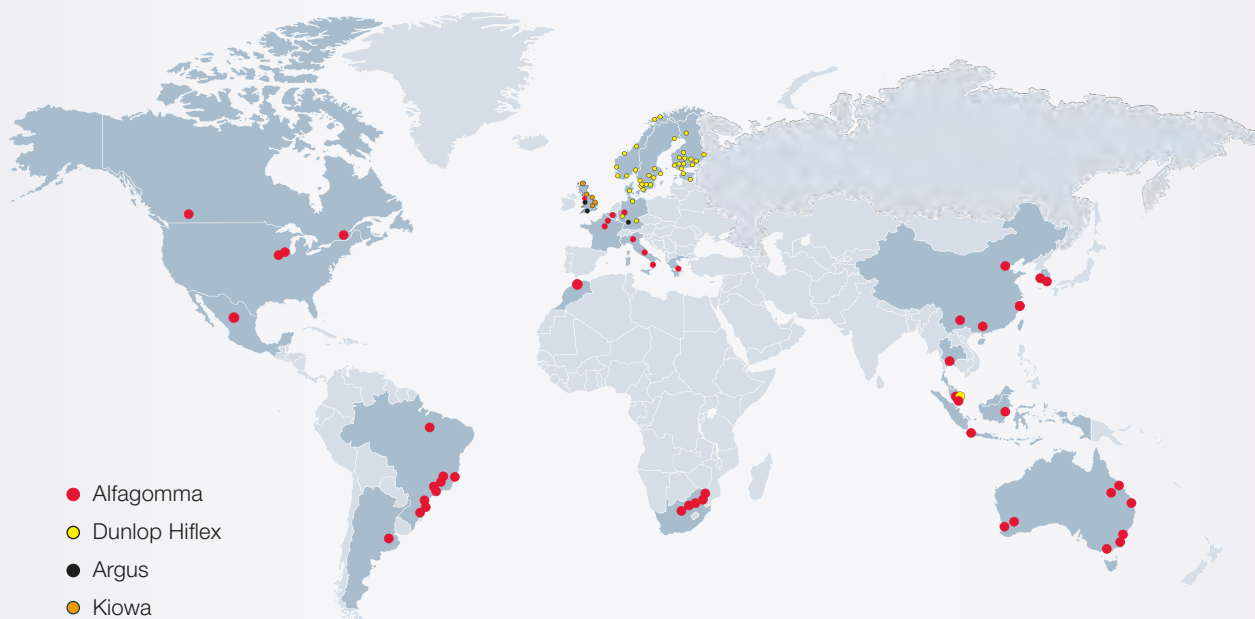
- Suction and/or discharge constructions for light to heavy-duty use.
- High flexibility with excellent vacuum performance.
- Tubes resistant to mild chemicals and fertilisers.
- Ozone and abrasion-resistant outer cover.
- Wide operating temperature range.
- Comprehensive selection of fittings to meet global standards.



// PART OF ALFAGOMMA GROUP

Being part of Alfagomma Group grants access to **global supply chains, expertise spanning 5 continents**, and means your feedback gets relayed straight to the product design engineers in the factory; **tailoring global solutions to the UK market.**

ALFAGOMMA GROUP



KIOWA // **ALFAGOMMA** // **DUNLOP HIFLEX** // **HIFLEX** // **ARGUS**

// INDUSTRIAL HOSE IDENTIFICATION TABLE & RECOMMENDED FITTINGS

HOSE		HOSE TECHNICAL FEATURES					
		Tube	Hose structure	Special features	WP	Temperature range	ID range
IRRIGATION & MANURING							
	286EE	PVC	Delivery Standard duty	Lay flat	max 5 bar * (75 psi)	-10 °C +60 °C (+14 °F +140 °F)	38-203 mm (1 1/2"-8")
	288HH	PVC	Delivery Heavy duty	Lay flat	max 10 bar * (150 psi)	-10 °C +60 °C (+14 °F +140 °F)	25-102 mm (1"-4")
	253AA	EPDM	Delivery	Lay flat	10 bar (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	32-305 mm (1 1/4"-12")
	254AA	SBR	Delivery		10 bar (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	19-102 mm (3/4"-4")
	256AA	EPDM	Delivery Heavy duty		16 bar (232 psi)	-30 °C +80 °C (-22 °F +176 °F)	51-152 mm (2"-6")
	202AA	EPDM	S&D	Ω Soft ends	10 bar (150 psi)	-40 °C +100 °C (-40 °F +100 °F)	25-254 mm (1"-10")
	221AA	SBR	S&D Corrugated		max 5 bar * (75 psi)	-30 °C +80 °C (-22 °F +176 °F)	76-203 mm (3"-8")
	2P1AA EVOLUTION PLUS	SBR	S&D Square corrugated		max 10 bar * (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	51-203 mm (2"-8")
	264GL	PVC	S&D Light duty	Corrugated construction Enhanced flexibility and strength	max 7 bar * (100 psi)	-5 °C +60 °C (+23 °F 140 °F)	20-51 mm (13/16"-2")
	266GL	PVC	S&D Standard duty	Corrugated construction Enhanced flexibility and strength	max 7 bar * (100 psi)	-5 °C +60 °C (+23 °F 140 °F)	25-203 mm (1"-8")
	266KL	PVC	S&D Standard duty		max 7 bar * (100 psi)	-5 °C +60 °C (+23 °F 140 °F)	20-102 mm (13/16"-4")
	4660L	PVC	S&D Standard duty	FDA + EU 10/2022	max 8 bar * (116 psi)	-5 °C +60 °C (+23 °F 140 °F)	20-120 mm (13/16"-4 3/4")
	2660L	PVC	S&D Standard duty	Superelastic	5 bar (75 psi)	-20 °C +60 °C (-4 °F 140 °F)	38-51 mm (1 1/2"-2")
	265TH	PVC	S&D Standard duty	Superelastic	max 5 bar * (75 psi)	-20 °C +60 °C (-4 °F 140 °F)	51-152 mm (2"-6")
	267BE	PVC	S&D Medium duty	Superelastic	max 7 bar * (100 psi)	-20 °C +60 °C (-4 °F 140 °F)	25-203 mm (1"-8")
	269BA	PVC / NBR	S&D Medium duty	Superior flexibility	max 5 bar * (75 psi)	-30 °C +60 °C (-22 °F +140 °F)	51-152 mm (2"-6")
	268BL	PVC	S&D Heavy duty		max 7 bar * (100 psi)	-5 °C +60 °C (+23 °F 140 °F)	25-203 mm (1"-8")
CROP SPRAYING							
	591AE	PVC	Delivery		max 50 bar * (730 psi)	-5 °C +60 °C (+23 °F 140 °F)	8-25 mm (5/16"-1")
	593AK	PVC	Delivery		max 80 bar * (1200 psi)	-5 °C +60 °C (+23 °F 140 °F)	8-13 mm (5/16"-1/2")
AIR SEEDER							
	161BL	PVC	S&D		NA	-10 °C +60 °C (-14 °F 140 °F)	20-76 mm (13/16"-3")
	2660A	PVC	S&D		max 8 bar * (116 psi)	-5 °C +60 °C (+23 °F 140 °F)	25-76 mm (1"-3")
	702AA	NR	S&D		10 bar (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	32-76 mm (1 1/4"-3")
	7P1AA EVOLUTION PLUS	NR	S&D Square corrugated		max 10 bar (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	63 mm (2 1/2")

* WP varies by hose ID.

The match hose/fittings is just an indication and needs checking depending on the actual application. The final choice is on customer's responsibility.

BAUER	CARDAN-PERROT	TYPE 42	SYMMETRIC GUILLEMIN	STORZ	CAM & GROOVE	THREADED FITTINGS	FLANGE PN10/16 ASA150 - TABLE D	HYDRAULIC FITTINGS
								
●	●	●	●	●	●			
●	●	●	●	●	●			
●	●	●	●	●	●	●	●	
●	●	●		●	●	●	●	●
●	●	●	●			●	●	●
●	●	●	●	●	●		●	●
●	●	●		●	●	●	●	
●	●	●		●	●	●	●	
●	●	●	●	●	●			
●	●	●	●	●	●			
●	●	●	●	●	●			
			●	●	●			
●	●	●	●	●	●			
●	●	●	●	●	●	●		
●	●	●	●	●	●			
●	●	●	●	●	●	●		
●	●	●	●	●	●			
Recommended fittings on request								●
Recommended fittings on request								
Connected directly to the machine by clamp								
Connected directly to the machine by clamp					●	●		
Connected directly to the machine by clamp					●	●		
Connected directly to the machine by clamp								

// HYDRAULICS

Kiowa produces hydraulic hose assemblies for all manner of requirements. From simple single hydraulic assemblies to complex large scale hydraulic assemblies, we can help design & build fully tailored assemblies to fit your exact requirements.

alfabiotech EVOLUTION

- ▲ **Specially designed for top performance and compatibility with biodegradable hydraulic oils**
- ▲ **Extreme flexibility:** up to 60% better bend radius compared to SAE 100R
- ▲ **Compact design & extremely flexible construction**
- ▲ **Minetuff cover for top abrasion & ozone resistance**
- ▲ **MSHA-approved fire resistant cover**



BEND RADIUS REDUCED UP TO 60%

// HYDRAULIC FITTINGS

Our hydraulic fittings range includes both one and two-piece solutions. From standard fittings to multispiral; we stock an extensive range of hydraulic fittings for almost every requirement.



Our fittings are designed to offer advanced flow pressure control and flow rate regulation. **We offer both high impulse fittings and high-pressure options**, that help to enhance safety and hose reliability.

- ▲ Fittings available in sizes from 3/16" to 3".
- ▲ All fittings come with hard wearing coats.
- ▲ Only genuine fittings, manufactured by Alfagomma.



To obtain a catalogue of the full range of Alfagomma hydraulic hose, fittings and adaptors we can supply, talk to your Kiowa sales engineer, visit our website, or give us a call.



// HYDRAULIC ASSEMBLY OEM SUPPORT

In the context of OEM, standard assemblies are often not appropriate. We can produce **tailored hydraulic kits containing hose, fittings, adaptors, and other hydraulic parts**. We can advise you on the materials and specifications required to ensure you receive a custom hydraulic solution most suitable for your application and budget.

// SUPERTUFF HYDRAULIC HOSE COVERS

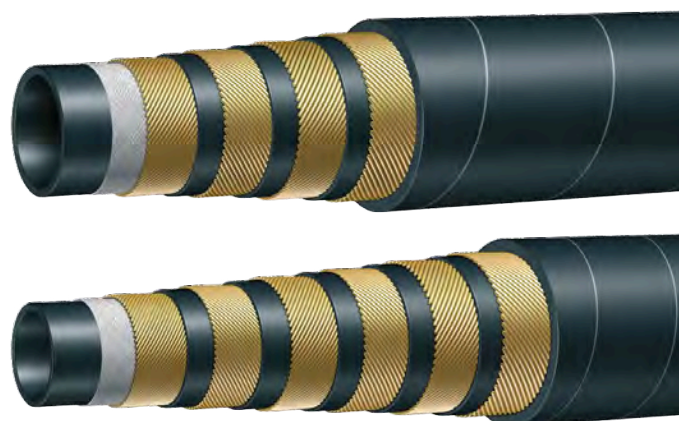
Alfagommas maximum abrasion resistance is designed for the heaviest duty environments. The hose range is available in both **wire braid and wire spiral construction** to suit the different bend radius and working pressure requirements.

Scan the QR code to find out more about SUPERTUFF and MINETUFF hose cover specification.



MAIN FEATURES

- ▲ **Excellent abrasion Resistance:** (1000 times higher than EN 853-856-857 Annex A* requirement)
- ▲ **High ozone resistance** (over 10 times more than the standard)
- ▲ **MSHA approved cover**
- ▲ **Alternative to protective sleeve in applications requiring abrasion resistance**



// HYDRAULIC QUICK RELEASE GRIPS (WORKING PRESSURE 250 BAR)

A RELIABLE CONNECTION: K-GRIPS CAN BE ATTACHED TO ALL STANDARD HYDRAULIC CONNECTIONS IN NO TIME AT ALL. ONCE INSTALLED, THE PLUG GRIP IS AN OIL-CARRYING COMPONENT OF THE HYDRAULIC SYSTEM - CAPTIVE, TIGHT, RELIABLE.

Colour coding and engraving: Make your systems easy to understand change and fix at a glance with instant identification and 11 colour options. We offer engraving options on up to 6 sides for application, machine, or directional symbols.

The perfect grip: The K-Grip fits seamlessly into your hand which, in combination with diamond-finished, knurled surface, guarantees a non-slip feel and lasting work safety in oily environments.



// LEVERLOCK & CARDAN/PERROT COMPATIBLE COUPLING RANGE

Alfagommas new, **extended range** of **Leverlock Type B** and **Cardan/Perrot-compatible Type C couplings** is engineered for modern agricultural operations, ensuring secure and reliable connections in irrigation, slurry handling, and water management systems.

MULTIFUNCTIONAL HOSE SHANK COUPLINGS **NEW**



- ▲ **Two versions:** with and without collar
- ▲ **Range:** 2" up to 6"
- ▲ **Material:** Plated steel
- ▲ **Alfagomma branded**
- ▲ **Features:**
 - Heavy duty applications
 - Machined serrated hose shank
 - Crimpable



..... **TO BE ASSEMBLED WITH**

Serrated hose shank with collar	
Light smooth ferrule in Plated steel (I107E-AKD)	EN14 420-3 Safety clamp (former DIN2817) in Aluminum (I5LG4D)
	

Serrated hose shank without collar	
Different type of clamps	Band-it
	



// HOSE REELS

Hose is only as effective as the systems that support it. Hose Reels are a valuable asset if you need to **keep hoses organised, reduce wear and tear, or improve workplace safety**, our reels provide the perfect balance of durability and performance. Our products range from **manual to spring rewind and motorised options**, with in-house experts ensuring you have the right reel for your environment—be it **industrial, food processing, agricultural, or on-site services**.

20 AIR/WATER
15 AIR/WATER
20 WATER

PRO SERIES

Drum is shielded from dirt and contaminants by a fully enclosed outer case.

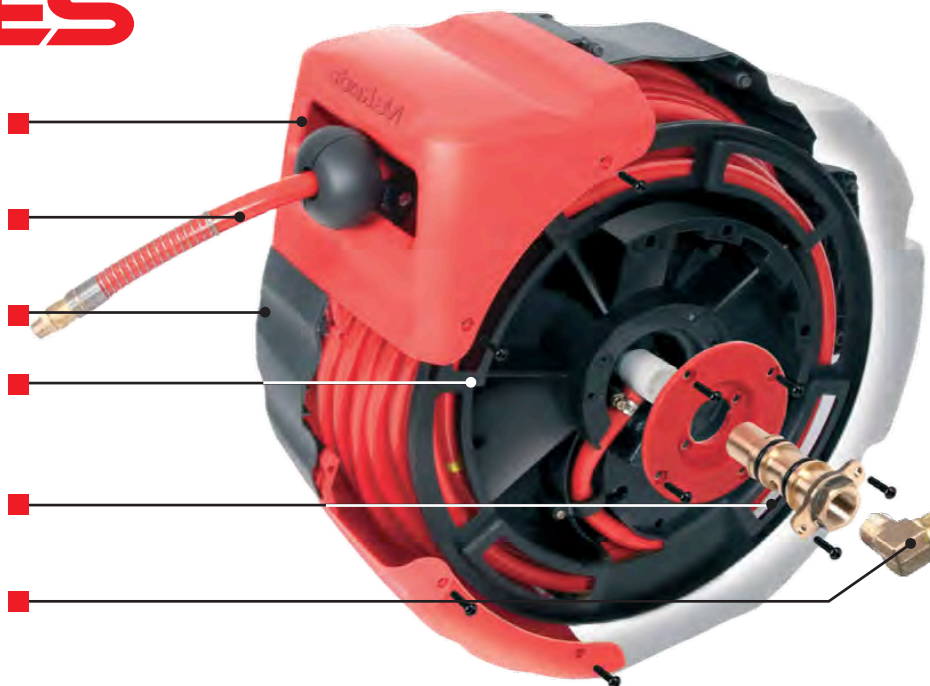
The HELIX Ultra Coil Self-Layering hose system ensures tangle-free operation during both payout and retrieval.

Constructed from high-impact, UV-stabilised polypropylene.

The auto-lock and auto-rewind mechanism ensures secure hose latching with each full revolution of the hose drum assembly.

Precision-machined solid brass swivel shaft ensures strength and reliability.

2 metre connecting hose with swaged brass fittings.



// BESPOKE REEL PROJECTS

With bespoke reels being constructed from scratch we are able to meet almost any requirement. Whether it's a military grade solution, a reel that can be suspended 100ft in the air, or hose dispensing solutions for major offshore hose lines, we will have a solution. Get in touch and let us know your unique requirements.

// WASHDOWN

Kiowa specialise in offering complete cleaning & washdown packages with complete assemblies or individual parts, consisting of hose, reels, and accessories.



ALFAJET400
5,850 PSI

ULTRAJET210
3,000 PSI



We have a wide range of accessories with our washdown products, from wash guns, lances, nozzles, end caps, BSP fittings, and much more.

WASHDOWN HOSE REELS



- ▲ **Slow Retraction Safety Features**
- ▲ **POWDER COATED & STAINLESS STEEL OPTIONS**
- ▲ **Pivoting Wall Brackets**
- ▲ **Quality & Reliability**
 - Your hose assembly can last up to five times longer when used in conjunction with a hose reel.



// PNEUMATICS

We are a **FESTO Premier Stockist Distributor in the UK**. We offer the **full range of Festo products** which includes pneumatic drivers, pneumatic motors and controllers, sensors, pneumatic fittings, pneumatic cylinders, pneumatic tubing, regulators, valves, control technology and vacuum.

We are also the **only Independent certified Festo training centre outside FESTO HQ**, offering customers Festo Didactic training, P111 training and more courses.

// FESTO MUSCLE



Clamping, vibrating, pneumatic spring: The fluidic muscle is a hermetic polymer tensile actuator with contraction characteristics.

- Single-acting, pulling
- 10 times the initial force of a comparable pneumatic cylinder
- Friction-free movement: no stick-slip effect
- Hermetically sealed design offers protection against dust, dirt and moisture
- Outstanding force/weight ratio

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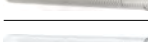


With the global Alfagomma Group network, Kiowa reaches OEMs, dealers, and retail customers worldwide, providing local supply, technical support, and tailored solutions to meet your needs.

Get in touch with your nearest branch today.



// INDUSTRIAL HOSE IDENTIFICATION TABLE & RECOMMENDED FITTINGS

HOSE		HOSE TECHNICAL FEATURES					BAUER	CARDAN- PERROT	TYPE 42	SYMMETRIC GUILLEMIN	STORZ	CAM & GROOVE	THREADED FITTINGS	FLANGE PN10/16 ASA150 - TABLE D	HYDRAULIC FITTINGS	
		Tube	Hose structure	Special features	WP	Temperature range	ID range									
IRRIGATION & MANURING																
 286EE	PVC	Delivery Standard duty	Lay flat	max 5 bar * (75 psi)	-10 °C +60 °C (+14 °F +140 °F)	38-203 mm (1 1/2"-8")	●	●	●	●	●	●				
 288HH	PVC	Delivery Heavy duty	Lay flat	max 10 bar * (150 psi)	-10 °C +60 °C (+14 °F +140 °F)	25-102 mm (1"-4")	●	●	●	●	●	●				
 253AA	EPDM	Delivery	Lay flat	10 bar (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	32-305 mm (1 1/4"-12")	●	●	●	●	●	●	●	●	●	
 254AA	SBR	Delivery		10 bar (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	19-102 mm (3/4"-4")	●	●	●		●	●	●	●	●	●
 256AA	EPDM	Delivery Heavy duty		16 bar (232 psi)	-30 °C +80 °C (-22 °F +176 °F)	51-152 mm (2"-6")	●	●	●	●			●	●	●	●
 202AA	EPDM	S&D	Ω	10 bar (150 psi)	-40 °C +100 °C (-40 °F +100 °F)	25-254 mm (1"-10")	●	●	●	●	●	●		●	●	●
 221AA	SBR	S&D Corrugated	Soft ends	max 5 bar * (75 psi)	-30 °C +80 °C (-22 °F +176 °F)	76-203 mm (3"-8")	●	●	●		●	●	●	●	●	
 2P1AA EVOLUTION PLUS	SBR	S&D Square corrugated		max 10 bar * (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	51-203 mm (2"-8")	●	●	●		●	●	●	●	●	
 264GL	PVC	S&D Light duty	Corrugated construction Enhanced flexibility and strength	max 7 bar * (100 psi)	-5 °C +60 °C (+23 °F 140 °F)	20-51 mm (13/16"-2")	●	●	●	●	●	●	●			
 266GL	PVC	S&D Standard duty	Corrugated construction Enhanced flexibility and strength	max 7 bar * (100 psi)	-5 °C +60 °C (+23 °F 140 °F)	25-203 mm (1"-8")	●	●	●	●	●	●	●			
 266KL	PVC	S&D Standard duty		max 7 bar * (100 psi)	-5 °C +60 °C (+23 °F 140 °F)	20-102 mm (13/16"-4")	●	●	●		●	●	●			
 4660L	PVC	S&D Standard duty	FDA + EU 10/2022	max 8 bar * (116 psi)	-5 °C +60 °C (+23 °F 140 °F)	20-120 mm (13/16"-4 3/4")					●	●	●			
 2660L	PVC	S&D Standard duty	Superelastic	5 bar (75 psi)	-20 °C +60 °C (-4 °F 140 °F)	38-51 mm (1 1/2"-2")	●	●	●	●	●	●	●			
 265TH	PVC	S&D Standard duty	Superelastic	max 5 bar * (75 psi)	-20 °C +60 °C (-4 °F 140 °F)	51-152 mm (2"-6")	●	●	●	●	●	●	●	●		
 267BE	PVC	S&D Medium duty	Superelastic	max 7 bar * (100 psi)	-20 °C +60 °C (-4 °F 140 °F)	25-203 mm (1"-8")	●	●	●	●	●	●	●			
 269BA	PVC / NBR	S&D Medium duty	Superior flexibility	max 5 bar * (75 psi)	-30 °C +60 °C (-22 °F +140 °F)	51-152 mm (2"-6")	●	●	●	●	●	●	●	●		
 268BL	PVC	S&D Heavy duty		max 7 bar * (100 psi)	-5 °C +60 °C (+23 °F 140 °F)	25-203 mm (1"-8")	●	●	●	●	●	●	●			
CROP SPRAYING																
 591AE	PVC	Delivery		max 50 bar * (730 psi)	-5 °C +60 °C (+23 °F 140 °F)	8-25 mm (5/16"-1")	Recommended fittings on request								●	
 593AK	PVC	Delivery		max 80 bar * (1200 psi)	-5 °C +60 °C (+23 °F 140 °F)	8-13 mm (5/16"-1/2")	Recommended fittings on request									
AIR SEEDER																
 161BL	PVC	S&D		NA	-10 °C +60 °C (-14 °F 140 °F)	20-76 mm (13/16"-3")	Connected directly to the machine by clamp									
 2660A	PVC	S&D		max 8 bar * (116 psi)	-5 °C +60 °C (+23 °F 140 °F)	25-76 mm (1"-3")	Connected directly to the machine by clamp					●	●			
 702AA	NR	S&D		10 bar (150 psi)	-30 °C +80 °C (-22 °F +176 °F)	32-76 mm (1 1/4"-3")	Connected directly to the machine by clamp					●	●			
 7P1AA EVOLUTION PLUS	NR	S&D Square corrugated		max 10 bar *(150 psi)	-30 °C +80 °C (-22 °F +176 °F)	63 mm (2 1/2")	Connected directly to the machine by clamp									

* WP varies by hose ID.
The match hose/fittings is just an indication and needs checking depending on the actual application. The final choice is on customer's responsibility.