

Swagelok Hose

Engineered to add flexibility to fluid system solutions

From all metal to PTFE or PFA lined to rubber, Swagelok offers a broad range of hose products for a variety of fluid systems. In fact, with Swagelok you'll find some of the most innovative designs in our hoses. Whether your system requires all-metal stainless steel, flexibility or an over-braid, you can count on Swagelok to meet your needs. Our hoses are expertly crafted from quality materials and tested to stringent standards all backed by the Swagelok Limited Lifetime Warranty.

Hose Selection Made Easy

Consider the 7 areas below when selecting a hose

S T A M P E D

Size Temperature Application Material Pressure Ends Connections Delivery

Size: Determine the I.D (internal diameter) and O.D (outside diameter) along with the most likely route for the hose installation to calculate the length.

Temperature: What are the min. and max. temperatures the hose will be exposed to with regard to the media and environment?

Application: Consider desired flow. Hose connection size, core tube construction and routed installation may all impact flow. What about movement? Will the hose be installed in a dynamic application? If so, this will require additional considerations.

Material: Identify the system media, the environment and required drainability. This will help determine the materials of construction.

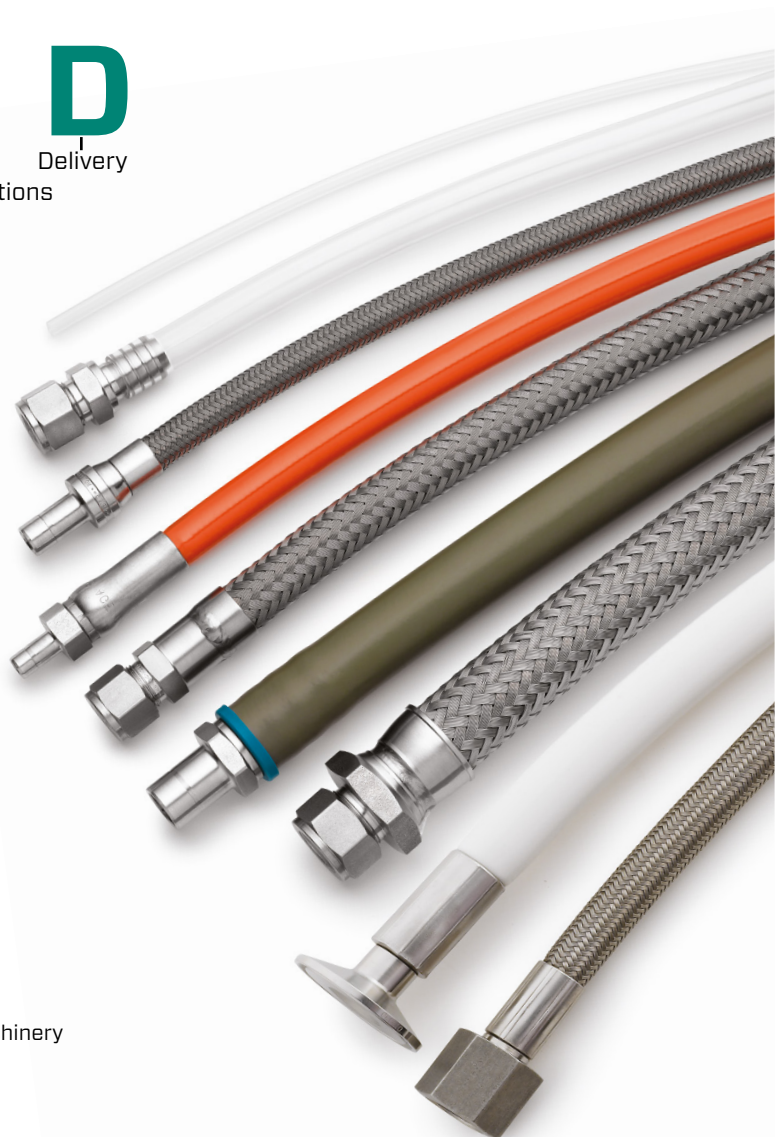
Pressure: What are the min. and max. pressures (or vacuum) within and outside the hose assembly?

Ends Connections: What is the style, type and orientation? Clarify any space constraints. Hose assemblies with elbows and union ball joints may help resolve these issues.

Delivery: Do you have any special delivery requirements or specific quality, testing and packaging needs? Are any special markings required, such as tagging?

Typical Hose Applications Include:

- CNG Fill Transfer
- Bottled Gas Manifolds
- Production Load Cells
- Solvent Transfer
- Caustic Wash Down Lines
- Pneumatic Controllers
- Chemical Additive Delivery
- Air Damper Controls
- Portable Measurement Equipment
- Hydraulic Presses and Machinery
- Process Tool Cooling Lines
- Hydraulic Control Systems
- Grab Samples
- Testing Equipment
- Pump Seal Lines
- High Vibration Dissipation
- Gas Mixing and Production
- Gas Cylinder Filling



Swagelok Hoses

We have a range of hoses that can meet a variety of industry, pressure, temperature and application needs.

Industry	Hose Options	Series	Key Feature(s)	Patented	Pressure Range PSI (BAR)	Size	Inner-core	Cover
General Industrial	Increased flexibility exceeds other smoothbore PTFE stainless steel braided designs.	X	Flexibility	Yes	1000 - 3500 (68.9 - 241)	1/4 - 1 inch	Smoothbore PTFE	Stainless Steel
	Flexible solutions in high-temperature vacuum or general purpose applications where permeation is undesirable.	FJ/FM	Permeation Resistance / Temp	No	450 - 3100 (31 - 213)	1/4 - 2 inch	Convuluted Metal	Stainless Steel
	FX is a new hose series suitable for high pressure corrosive environments. Like the FJ and FM series the FX is also a flexible solution in high-temperature vacuums or where permeation is undesirable.	NEW FX	Permeation Resistance / Pressure	No	4500 - 6000 (310 - 413)	1/4 or 1/2 inch	Convuluted Metal	Double Braided Stainless Steel
Chemical	Convuluted inner core offers extreme flexibility with the benefits of PTFE compatibility. Larger sized hoses are available up to 2 inches.	C	Flexibility	No	525 - 1500 (36.1 - 103)	1/2 - 2 inch	Convuluted PTFE	Stainless Steel
Pharm/Biotech	Smoothbore PTFE /PFA is required due to purity requirements. Both the U and S series hoses offers superb flexibility and come with smooth silicone covers for external cleanability. S series is good in 1/8 - 3/4 inch sizes while U series is recommended in 1 - 2 inch sizes. Ideal for load cell / weight scale applications and steam lines where exterior insulating protection may be required.	S	Flexibility / Smooth Silicone Cover / Cleanable	Yes	1000 - 3000 (68.9 - 206)	1/8 - 1 inch	Smoothbore PTFE or PFA	Silicone
		U		Yes	150 - 300 (10.3 - 20.6)	1/2 - 2 inch		
Laboratory	The availability of these products in PTFE and 1/8 inch size makes them ideal for laboratory lines.	B	Available in 1/8 inch size	No	3000 (206)	1/8 inch	Smoothbore PTFE	Stainless Steel
		S		Yes	1000 - 3000 (68.9 - 206)	1/8 - 1 inch	Smoothbore PTFE	Silicone
Semiconductor	The W series hose is designed with a PTFE core for chemical compatibility with heat exchanger fluids and provides flexibility in combination with insulating properties.	W	Insulating design	Yes	500 - 750 (34.4 - 51.6)	3/8 - 3/4 inch	Smoothbore PTFE - Static Dissipative	Silicone (Blue/White/Red/Black)
Food & Beverage	PFA is the ideal material choice as it does not impart taste or odour as rubber does. The U series offers the required flexibility and is available in larger sizes needed in these applications.	U	Flexibility / imparts no taste / no odour / cleanable	Yes	150 - 300 (10.3 - 20.6)	1/2 - 2 inch	Smoothbore PFA	Silicone

For further information on the hose solutions we offer, download our Catalogue MS-01-180 or to discuss your specific application needs, contact us and book an appointment with your dedicated Business Development Engineer.