

Regulator Options and Accessories

Regulator accessories are available separately or mounted on Swagelok regulators. Some accessories limit regulator pressure or temperature ratings. Additional materials, options, and accessories are available. Please contact your local authorized sales and service representative for more information.

Cylinder Connections

- Available in a variety of CGA connections
- Stainless steel construction To insert a designator into the ordering number (see the ordering information for each regulator).



Cylinder Gases and Connections

These cylinder connections are rated to 3000 psig (206 bar) maximum, so the maximum inlet pressure designator P must be used in the ordering number when a regulator is assembled with a cylinder connection. See the ordering information for each regulator for details.

Gas	CGA Connection
Air, industrial	590
Ammonia, anhydrous	660
Argon	580
Carbon dioxide	320
Carbon monoxide	350
Chlorine	660
Ethane	350
Ethylene	350
Helium	580
Hydrogen	350
Hydrogen chloride	330
Hydrogen sulfide	330
Krypton	580
Methane, natural gas	350
Methyl chloride	660
Methyl mercaptan	330
Neon	580
Nitric oxide	660
Nitrogen	580

Nitrogen dioxide	660
Oxygen	540
Phosgene	660
Refrigerant-14	580
Refrigerant-22	660
Sulfur dioxide	660
Sulfur hexafluoride	590
Xenon	580

*Available only on select KPR and KCY series regulators, contact your local authorized sales and service representative.

DIN, BS, and JIS cylinder connections are also available. Contact your local authorized sales and service representative for more information.

Hoses



Hoses are available assembled to the inlet of the regulator to allow connection to remote gas cylinders. Hose options, rated to 300 psig (306 bar), include:

- 3 ft. long Swagelok 1/4 in. high pressure, metal flexible hose (FM series), 1/4 in. female NPT inlet, 1/4 in. male NPT outlet connected to regulator
- 3 ft. long Swagelok 1/4 in. PTFE-lined, stainless steel braided hose (TH series), 1/4 in. female NPT inlet, 1/4 in. male NPT outlet connected to regulator

See the Swagelok Hose and Flexible Tubing catalog, MS-01-180, for more information.

Cleaning: Hoses are not available assembled to ASTM G93 Level E or SC-11 specially-cleaned regulators.

Handles



Knob, thumbwheel, and anti-tamper handles are available. The green plastic knob handle is standard for most K Series regulators. Other colours are available; add a handle colour designator to a regulator ordering number.

Colour	Designator
Black	BK
Blue	BL

Orange	OR
Red	RD
Yellow	YW

The metal thumbwheel handle is available for the compact KCB and DCP series regulators. The metal anti-tamper nut is available to prevent inadvertent pressure adjustment.

Pressure Gauges



- Provides measure of inlet pressure, outlet pressure, or both
- 2 1/2 in. (63 mm) dial size with 1/4 in. male NPT connection
- 1 1/2 in. (40 mm) dial size with 1/8 in. male NPT connection
- Stainless steel cases and wetted components

See the Swagelok Pressure Gauges, Industrial and Process catalog, MS-02-170, for more information. Gauges are assembled to ASTM G93 Level E or SC-11-cleaned regulators.

Cleaning: Cleaned in accordance with ASME B40.1 level IV.

Isolation Valves



- Allow isolation from downstream equipment
- Working pressures up to 5000 psig (344 bar)
- 316 stainless steel construction
- Swagelok integral-bonnet needle valve (1 series)
- Used in conjunction with an adjustable regulator relief valve

See the Swagelok Integral-Bonnet Needle Valves catalogue MS-01-164, for more information.

Isolation Valve and Relief Valve Ordering Information Isolate valves are available factory assembled on KCP, KPP, KPF, KHP, KHR and KHB series regulators. Isolation and adjustable regulator relief valves are available factory assembled on KPR, KCY, KCM, KLF and KHF series regulators.

To order a regulator factory assembled with an isolation valve or isolation valve and adjustable regulator relief valve, insert a designator from the table below into the ordering number as shown in the appropriate regulator ordering information pages.

Description	Valve Designator		
	Relief Only	Isolation Only*	Isolation and Relief
Kenmac KW series adjustable regulator relief valve	1	-	-
¼ in. male NPT inlet ¼ in. Swagelok tube fitting outlet angle pattern isolation valve		A	2
¼ in. male NPT inlet 6 mm Swagelok tube fitting outlet angle pattern isolation valve		B	3
¼ in. male NPT inlet ¼ in. female NPT outlet angle pattern isolation valve		C	4
¼ in. Swagelok tube fitting inlet** and outlet straight pattern isolation valve		E	6
6 mm Swagelok tube fitting inlet ** and outlet straight pattern isolation valve		F	7
3/8 in. Swagelok tube fitting inlet** ¼ in. female NPT outlet straight pattern isolation valve		G	8

* Not available on KPR, KCY, KCM, KLF and KHF series regulators, because a relief valve is needed to protect the diaphragm sensing mechanism. ** Includes male NPT to Swagelok tube adapter fitting (required for regulators with 1/8 and 1/2 in. female NPT ports).

For more information see the Swagelok *V Series Instrument Isolation Block & Bleed, Dbl Block & Bleed* catalog, MS-02-314 or See the Swagelok *R Series Proportional Relief Valve* catalog, MS-01-141.

Additional Products

Filters

Swagelok offers a variety of filters, filter elements, and sizes.

- 316 SS and brass materials
- Sintered and strainer elements
- Tee type, inline and all-welded models



For more information about Swagelok filters, see the *Filters-FW, F, and TF Series* catalog, MS-01-92.

Transducers

Swagelok industrial pressure transducers electronically monitor fluid system pressure in a variety of analytical and process applications.



- Accurate and repeatable readings
- Swagelok tube adapter end connections available for ease of installation and maintenance
- CE compliant

For more information about Swagelok industrial pressure transducers, see the *Industrial Pressure Transducers* catalog, MS-02-225.

Variable Area Flowmeters - G Series and M Series



- Glass and metal (armored) tube models, including miniature armored model
- Highly accurate measurement even at very low flow, with individually calibrated scales based on flow tests
- Flexible and adaptable to specific system requirements
- High quality, durability, and repeatability
- 1/8 in. to 1 1/4 in. process end connections

See the Swagelok Variable Area Flowmeters – G Series and M Series catalog, MS-02-346, for more information.