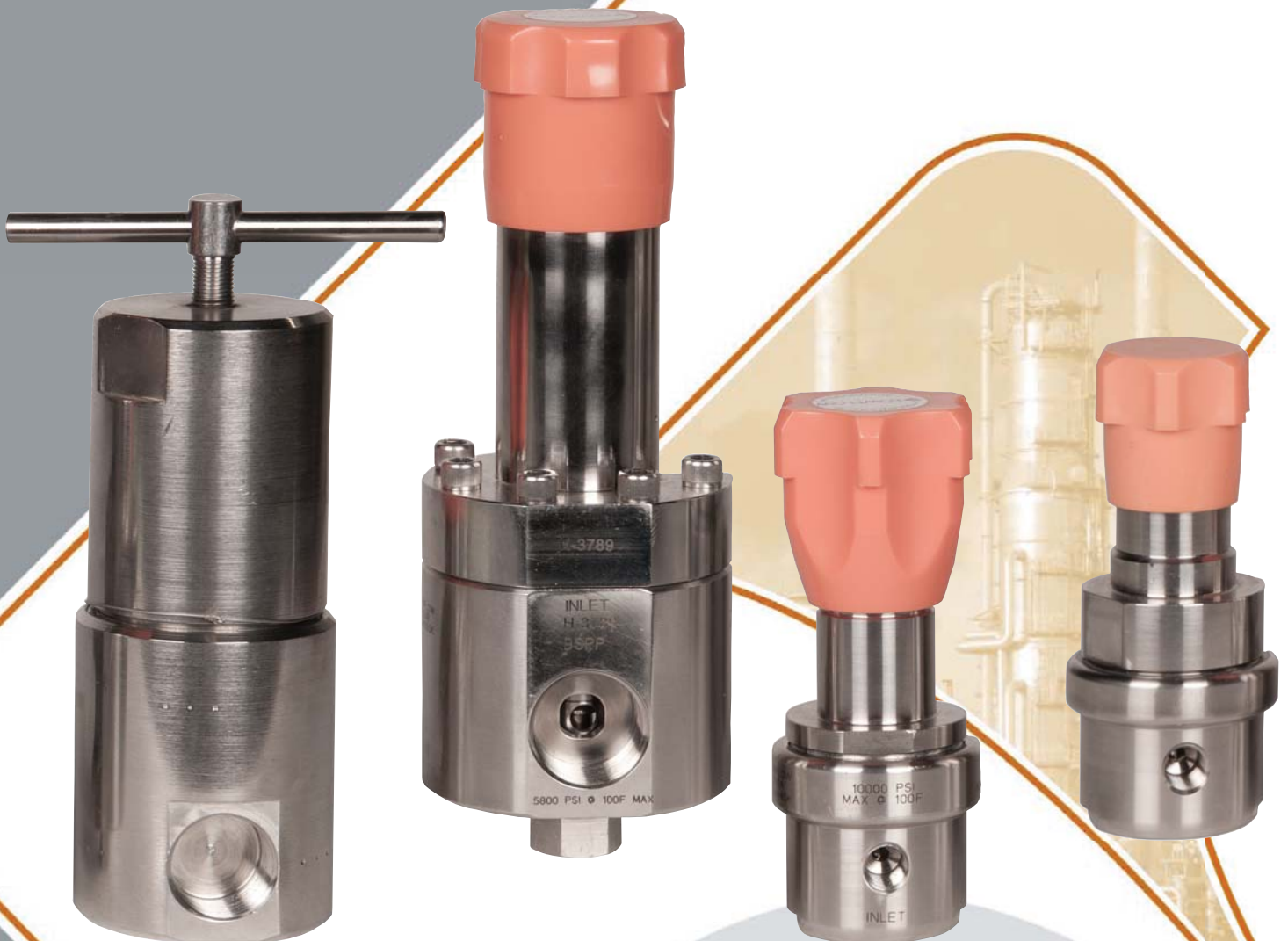




LOWFLOW
a division of Jordan Valve

Regulator Guide

- *High pressure, self-operated pressure reducing and back pressure reducing valves*
- *Diaphragm and piston operated*



Pressure Reducing Valves

JR Series

The JR Series have the ability to handle very high pressures and very low flows. Typically used in research and sampling systems for corrosive and specialty gases. Typical applications include gas chromatography and flame ionization detectors. Inlet pressures up to 4000 psi.

Seat Type	PTFE, PEEK
Sizes	1/4", 3/8", 1/2" (DN8, DN10, DN15)
End Connections	Threaded, Socket Weld, Flanged, others
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.012, 0.08, 0.20, (0,010, 0,07, 0,17)
Setpoints	up to 750 psi (52 bar)



JR-A Series

The JR-A is a dome loaded, pressure reducing valve. This is the perfect valve for applications where droop must be kept at a minimum.

Seat Type	PTFE, PEEK
Sizes	1/4", 3/8", 1/2" (DN8, DN10, DN15)
End Connections	Threaded (NPT), Socket Weld, Flanged
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.012, 0.08, 0.20, (0,010, 0,07, 0,17)
Setpoints	Airloaded 25-750 psi (1,7 to 52 bar)



JRH Series

The JRH Series have the ability to handle very high pressures and very low flows. The Jorlon diaphragm contributes to extremely long service life by greatly reducing or eliminating diaphragm failure.

Seat Type	KEL-F/ Viton
Sizes	3/8", 1/2" (DN10, DN15)
End Connections	FNPT Standard, Others on Application
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.8 (0,69)
Ranges	2-10 psi (0,14- 0,69 bar) to 75-450 psi (5,2- 31 bar)



Pressure Reducing Valves

JRHF Series

The JRHF is a high-flow, diaphragm operated, balanced trim regulator.

Seat Type	PTFE
Sizes	1/2" , 3/4", 1" (DN15, DN20, DN25)
End Connections	Threaded (NPT), Socket Weld, Flanged, others
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	1/2 1.5 (1,3) 3/4"-1" 1.9 (1,6)
Setpoints	up to 150 psi (10 bar)



JRC Series

The JRC Series is ideal for corrosive and non-corrosive gas services. It maintains precise, accurate outlet pressure control. Inlet pressures up to 4000 psi.

Seat Type	PTFE, PEEK
Sizes	1/4", 3/8", 1/2" (DN8, DN10, DN15)
End Connections	Threaded (NPT), Socket Weld, CGA
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.012, 0.08, 0.20, (0,010, 0,07, 0,17)
Setpoints	up to 750 psi (up to 52 bar)



Mark 6800HP Series

A line of self-operated pressure regulating valves for use on high pressure industrial gas and liquid services to 3,800 psi (262 bar). The 6800HP features a balanced piston design for excellent stability even in high pressure drop situations.

Seat Type	Stellite, Vespel, Teflon
Sizes	1/2" – 1" (DN15 – DN25)
End Connections	Threaded, Socket Weld, Flanged
Body Materials	316L Stainless Steel, others
Cv (Kv)	0.5 to 2.5 (0,4 to 2,1)
Setpoints	250 - 3000 psi (17,2 - 207 bar)



Pressure Reducing Valves

JRPH Series

The 1/4" JRPH are piston operated pressure reducing valves with high pressure capability and ANSI Class VI shutoff

Seat Type	PEEK, KEL-F
Sizes	1/4" (DN8)
End Connections	Threaded, Socket Weld, Butt Weld, others
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.03, 0.7 (0,026, 0,06)
Ranges	Up to 9135 psi (630 bar)



JRPH Series

The JRPH Series are piston operated, balanced trim pressure regulators with high Cv's and soft seats for ANSI Class VI shutoff.

Seat Type	KEL-F
Sizes	1/2", 3/4", 1" (DN15, DN20, DN25)
End Connections	Threaded, Socket Weld, Butt Weld, others
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	2.1 (1,81)
Ranges	Up to 5800 psi (400 bar)



JRPL Series

The JRPL Series are piston operated, balanced trim pressure regulators with high Cv's and soft seats for ANSI Class VI shutoff.

Seat Type	KEL-F
Sizes	1/2", 3/4", 1" (DN15, DN20, DN25)
End Connections	Threaded, Socket Weld, Butt Weld, others
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	2.1 (1,81))
Ranges	Up to 1160 psi (80 bar)



Back Pressure Regulating Valves

JB Series

The JB Series back pressure regulating valves have the ability to handle very high pressures and very low flows. Top entry design facilitates in-line cleaning and maintenance.

Seat Type	PEEK
Sizes	1/4", 3/8", 1/2" (DN8, DN10, DN15)
End Connections	Threaded (NPT), Socket Weld, Flanged, others
Body Materials	Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.05, 0.15, 0.25, 0.35 (0,043, 0,13, 0,22, 0,30)
Setpoints	up to 750 psi (up to 52 bar)



Mark 5800HP / Mark 5850 Series

The Mark 5800HP/ Mark 5850HP Series are high pressure, back pressure regulators designed to maintain upstream pressure of gases and liquids. As lightweight products, both are well suited for applications where space and weight are at a premium. Inlet pressures up to 5000 psi (345 bar).

Seat Type	Teflon (standard), PEEK, Delrin
Sizes	1/2", 3/4", 1" (DN15, DN20, DN25)
End Connections	Threaded, Socket Weld, Flanged
Body Materials	316L Stainless Steel, others
Cv (Kv)	0.4 to 1.0 (0,34 to 0,86)
Setpoints	400 - 5000 psi (27,6 - 345 bar)



JBDL Series

The JBPL Series are high Cv diaphragm sensed back pressure regulators. The most common applications are fuels, water, acids, liquids and gases.

Seat Type	KEL-F
Sizes	1/2" (DN15)
End Connections	Threaded, Socket Weld, Flanged
Body Materials	Stainless Steel, others
Cv (Kv)	1.95 (1,66)
Setpoints	up to 400 psi (up to 28 bar)



Back Pressure Regulating Valves

JBPH Series

The JBPH Series are spring operated, piston sensed back pressure regulating valves capable of set pressures up to 5,800 psi with ANSI Class VI shutoff.

Seat Type	KEL-F
Sizes	1/2", 3/4", 1" (DN15, DN20, DN25)
End Connections	Threaded, Socket Weld, Flanged
Body Materials	316L Stainless Steel, others
Cv (Kv)	0.5 (0,43)
Setpoints	Up to 5,800 psi (400 bar)



To learn more about LowFlow Valve products and
to find the name of a local representative visit:
www.lowflowvalve.com



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