



AUGUST, 2023 EDITION

**PRESSURE REGULATORS, VALVES,  
AND GAS DELIVERY SYSTEMS**

**A PREMIER INDUSTRIES PUBLICATION**

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**AMERICAN MADE.  
INNOVATIVE.  
RELIABLE.  
ECONOMICAL.  
PREMIER.**

# PREMIER REGULATORS, VALVES, & GAS DELIVERY SYSTEMS

## LEADING EDGE DESIGNS WITH A PERSONAL TOUCH.

Premier Industries was established in 1995 as a designer and manufacturer of proprietary specialty gas and hydraulic regulators, valves, and systems, which now service a diverse market worldwide.

We offer a standard product line, alongside custom engineering to meet the demands of a diverse client base and are continually adding new technology and processes to meet the evolving needs of the market.

We manufacture and test all our equipment to meet rigid specifications while keeping in mind the distinctive needs and expectations of our customers. It is our goal to offer cutting-edge designs with a personal touch.

## WE'RE EXPERIENCED AND RESPONSIVE.

Our customers know that if they have a question, they can pick up the phone and give us a call. No automated messaging systems here. We have a team of engineers with over 100 years of regulator design experience ready to assist you. We are always pushing for more sophisticated processes, working on leading-edge designs, while striving to remain personable and responsive.

## CUSTOM ENGINEERING & TAILORED SOLUTIONS.

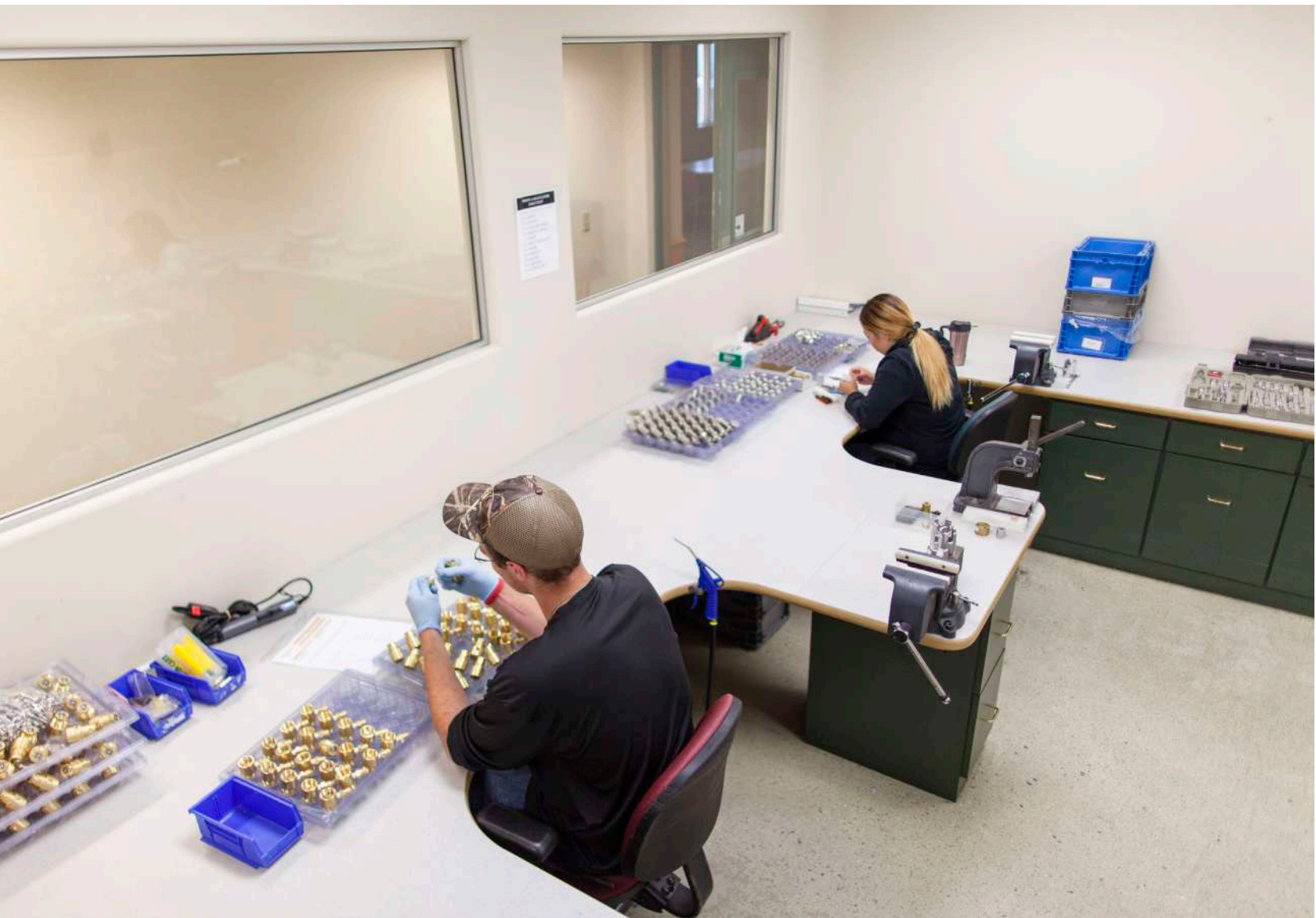
If you do not see a standard Premier model that suits your needs, please contact us; we would be happy to help you with a custom design or modification.

Our regulators are offered in a variety of materials (with varying weights, strengths, degrees of corrosion resistance, etc.), flow capacities, and inlet/outlet pressure ranges. With the flexibility of optional port alignments, port sizes/types, relief and shut off valves, etc. Premier regulators provide maximum versatility and compatibility for your application.

## VERTICALLY INTEGRATED LOW-OVERHEAD MANUFACTURING.

From engineering, to programming and testing, We are proud to be a vertically integrated company that has the ability and means to produce high quality, American made products from concept to completion.









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# HIGH PRESSURE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>3400 SERIES</b> 	<ul style="list-style-type: none"> <li>• Great sensitivity</li> <li>• Large elastomeric diaphragm</li> <li>• Self-venting and non-venting options</li> <li>• Optional panel mounting bracket</li> </ul>	6000 psig / 413.7 bar	Cv: 0.08 Cv: 0.20	2024-T351 Aluminum  SAE 360 brass  316 Stainless Steel
<b>3500 SERIES</b> 	<ul style="list-style-type: none"> <li>• Designed for gas media</li> <li>• Piston sensed</li> <li>• 15 micron sintered 316 SST inlet filter</li> <li>• Piston Sensed</li> <li>• Non-venting</li> <li>• Optional acorn nut (preset outlet pressure)</li> <li>• Three knob styles</li> <li>• Minimal soft goods</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Nickel plated  SAE 360 brass, Nickel Plated  303 Stainless Steel  316 Stainless Steel  Monel®
<b>3500DL SERIES</b> 	<ul style="list-style-type: none"> <li>• Designed for gas media</li> <li>• Dome loaded</li> <li>• 15 micron sintered 316 SST inlet filter</li> <li>• Piston Sensed</li> <li>• Captured venting</li> <li>• Compatible with electro-pneumatic controllers</li> <li>• 1:1 loader</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized  303 Stainless Steel  316 Stainless Steel
<b>3500AL SERIES</b> 	<ul style="list-style-type: none"> <li>• Designed for gas media</li> <li>• Air loaded</li> <li>• Piston Sensed</li> <li>• Captured venting</li> <li>• Compatible with electro-pneumatic controllers</li> <li>• Load ratios: 1:2, 1:3, 1:4</li> <li>• 2 or 4 port designs</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized  303 Stainless Steel  316 Stainless Steel

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# HIGH PRESSURE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>6500 SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston Sensed</li> <li>Non-venting</li> <li>Optional acorn nut (preset outlet pressure)</li> <li>Minimal soft goods</li> <li>3 knob styles: basic, fluted, and tee handle</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Nickel plated  SAE 360 brass, Nickel Plated  303 Stainless Steel  316 Stainless Steel  Monel®
<b>6500DL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Dome loaded (1:1)</li> <li>Piston Sensed</li> <li>Captured venting</li> <li>Compatible with electro-pneumatic controllers</li> <li>1000 psig (68.95 bar) max dome load</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized  303 Stainless Steel  316 Stainless Steel
<b>6500AL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Air loaded</li> <li>Piston Sensed</li> <li>Captured venting</li> <li>Compatible with electro-pneumatic controllers</li> <li>Load ratios: 1:2, 1:3, 1:4</li> <li>2 or 4 port designs</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized  303 Stainless Steel  316 Stainless Steel
<b>4600 SERIES</b> 	<ul style="list-style-type: none"> <li>Two stage</li> <li>Piston Sensed</li> <li>Stable set pressures</li> <li>1st stage valve seat: Vespel®</li> <li>2nd stage valve seat PCTFE</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	316 Stainless Steel





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# HIGH PRESSURE. PRESSURE REDUCING REGULATORS.





SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>3560 SERIES</b> 	<ul style="list-style-type: none"> <li>• Miniature Pneumatic</li> <li>• Captured-venting</li> <li>• Compact, piston sensed</li> <li>• Rear mounting holes std.</li> <li>• Vespel®/PEEK®/PCTFE seat</li> </ul>	10000 psig / 689.48 bar	Cv: 0.06 Cv: 0.2	316 Stainless Steel 303 Stainless Steel
<b>6560 SERIES</b> 	<ul style="list-style-type: none"> <li>• Miniature Hydraulic</li> <li>• Captured-venting</li> <li>• Compact, piston sensed</li> <li>• Rear mounting holes std.</li> <li>• Vespel® PEEK® or 17-4 &amp; 440C Stainless steel seat</li> </ul>	10000 psig / 689.48 bar	Cv: 0.06 Cv: 0.2	316 Stainless Steel 303 Stainless Steel
<b>3000 SERIES</b> 	<ul style="list-style-type: none"> <li>• Designed for gas media</li> <li>• Self venting, piston sensed</li> <li>• 15 micron sintered 316 SST inlet filter</li> <li>• Optional captured venting</li> <li>• Dome loaded &amp; Air loaded designs available</li> <li>• Optional acorn nut</li> </ul>	10000 psig / 689.5 bar (316 SST) 6000 psig / 413.7 bar (Brass & Aluminum)	Cv: 0.06 Cv: 0.2	SAE 360 brass 316 Stainless Steel 6061-T6 Aluminum
<b>3000AL SERIES</b> 	<ul style="list-style-type: none"> <li>• Designed for gas media</li> <li>• Air loaded, Piston Sensed</li> <li>• 15 micron sintered 316 SST inlet filter</li> <li>• Optional captured venting</li> <li>• Compatible with electro-pneumatic controllers</li> </ul>	10000 psig / 689.5 bar (316 SST) 6000 psig / 413.7 bar (Brass)	Cv: 0.06 Cv: 0.12 Cv: 0.2	SAE 360 brass 316 Stainless Steel
<b>3000DL SERIES</b> 	<ul style="list-style-type: none"> <li>• Designed for gas media</li> <li>• Dome loaded</li> <li>• Piston Sensed</li> <li>• Optional panel mounting nuts</li> <li>• Compatible with electro-pneumatic controllers</li> </ul>	10000 psig / 689.5 bar	Cv: 0.06 Cv: 0.12 Cv: 0.2 Cv: 0.3	316 Stainless Steel

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 PEEK® is a registered trademark of Victrex PLC

## HIGH PRESSURE. PRESSURE REDUCING REGULATORS.






SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>6000 SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston Sensed</li> <li>Adjustable captured venting</li> <li>Air loaded design available</li> <li>Optional acorn nut</li> <li>Non-venting design available</li> </ul>	10000 psig / 689.5 bar	Cv: 0.06 Cv: 0.12 Cv: 0.2	316 Stainless Steel
<b>6000AL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston Sensed</li> <li>Captured venting</li> <li>Air loaded</li> <li>Compatible with electro-pneumatic controllers</li> </ul>	10000 psig / 689.5 bar  6000 psig / 413.7 bar (Brass)	Cv: 0.06 Cv: 0.12 Cv: 0.2	316 Stainless Steel
<b>6000DL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston Sensed</li> <li>Captured venting</li> <li>Dome loaded</li> <li>Compatible with electro-pneumatic controllers</li> </ul>	10000 psig / 689.5 bar	Cv: 0.06 Cv: 0.12 Cv: 0.2 Cv: 0.3	316 Stainless Steel
<b>6000FL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston Sensed</li> <li>Raised face, welded neck flange connections</li> <li>1" nominal pipe size</li> <li>Captured venting</li> <li>ANSI B16.5 class 1500 forged flange</li> </ul>	3000 psig / 206.84 bar	Cv: 0.06	17-4 Stainless Steel 316 Stainless Steel

## HIGH PRESSURE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>3016 SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>High flow</li> <li>Piston Sensed</li> <li>Self venting</li> <li>Optional captured venting</li> <li>Air loaded &amp; dome loaded designs available</li> </ul>	10000 psig / 689.5 bar <i>(Stainless Steel)</i>  6000 psig / 413.7 bar <i>(Brass)</i>	Cv: 1.0 Cv: 2.0	SAE 360 brass 316 Stainless Steel 17-4 Stainless Steel Monel®
<b>3016AL SERIES</b> 	<ul style="list-style-type: none"> <li>High flow</li> <li>Piston Sensed</li> <li>Captured venting</li> <li>Air loaded</li> <li>Balanced stem for increased outlet pressure stability</li> </ul>	10000 psig / 689.5 bar <i>(See data sheet)</i>  6000 psig / 413.7 bar <i>(See data sheet)</i>	Cv: 1.0	SAE 360 brass 316 Stainless Steel 303 Stainless Steel
<b>3016DL SERIES</b> 	<ul style="list-style-type: none"> <li>High flow</li> <li>Piston Sensed</li> <li>Optional captured venting</li> <li>Dome loaded</li> </ul>	10000 psig / 689.5 bar <i>(See data sheet)</i>  6000 psig / 413.7 bar <i>(See data sheet)</i>	Cv: 1.0 Cv: 2.0	SAE 360 brass 316 Stainless Steel 303 Stainless Steel
<b>3020 SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>15 micron stainless steel valve cartridge filter</li> <li>Piston Sensed</li> <li>Captured venting</li> <li>Low-torque hand knob</li> </ul>	10000 psig / 689.5 bar <i>(Stainless Steel)</i>  6000 psig / 413.7 bar <i>(Brass)</i>	Cv: 0.06 Cv: 0.12 Cv: 0.2	SAE 360 brass 316 Stainless Steel

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## HIGH PRESSURE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>6020 SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston Sensed</li> <li>Captured venting</li> <li>Low-torque hand knob</li> </ul>	10000 psig / 689.5 bar <i>(Stainless Steel)</i>	Cv: 0.06 Cv: 0.12 Cv: 0.2	SAE 360 brass 316 Stainless Steel
<b>3023 SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>Captured venting</li> <li>Piston Sensed</li> <li>Vespel® seat</li> <li>Optional panel mounting nuts</li> </ul>	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12	316 Stainless Steel
<b>3023AL SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>Air loaded, Piston Sensed</li> <li>Compatible with electro-pneumatic controllers</li> <li>Captured venting</li> <li>Optional panel mounting nuts &amp; gauges</li> </ul>	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12	316 Stainless Steel
<b>6023 SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston sensed</li> <li>Captured venting</li> <li>Choice of 17-4 stainless steel or Vespel® seat</li> <li>Optional panel mounting nuts</li> </ul>	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12	316 Stainless Steel
<b>6023AL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic, air loaded</li> <li>Captured venting</li> <li>17-4 Stainless Steel, hardened or Vespel® seat</li> <li>Optional panel mounting nuts</li> </ul>	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12	316 Stainless Steel




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# HIGH PRESSURE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>6023DL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic, dome loaded</li> <li>Captured venting</li> <li>17-4 Stainless Steel, hardened or Vespel® seat</li> <li>Optional panel mounting bracket</li> </ul>	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12 Cv: 0.20	316 Stainless Steel
<b>3025 SERIES</b> 	<ul style="list-style-type: none"> <li>Piston Sensed</li> <li>Pneumatic</li> <li>Captured venting</li> <li>17-4 Stainless Steel hardened valves</li> <li>Air loaded designs available</li> </ul>	20000 psig / 1378.95 bar	Cv: 0.04	17-4 Stainless Steel
<b>3025AL SERIES</b> 	<ul style="list-style-type: none"> <li>Piston Sensed</li> <li>Air loaded</li> <li>Captured venting</li> <li>17-4 Stainless Steel hardened valves</li> <li>Compatible w/ electro-pneumatic controllers</li> </ul>	20000 psig / 1378.95 bar	Cv: 0.043	17-4 Stainless Steel
<b>3025SL SERIES</b> 	<ul style="list-style-type: none"> <li>Four-tier air loader for compatibility with electropneumatic controllers, enabling piloted pressure control from an inert gas at low pressures (110 psig / 7.5 bar max air load)</li> <li>Captured Venting</li> </ul>	20000 psig / 1378.95 bar	Cv: 0.043	17-4 Stainless Steel
<b>3025HPL SERIES</b> 	<ul style="list-style-type: none"> <li>Piston Sensed</li> <li>High pressure loader</li> <li>Captured venting</li> <li>17-4 Stainless Steel hardened valves</li> <li>Compatible w/ electro-pneumatic controllers</li> <li>Max loading pressure: 1500 psig / 103.42 bar</li> </ul>	20000 psig / 1378.95 bar	Cv: 0.04	17-4 Stainless Steel

## HIGH PRESSURE. PRESSURE REDUCING REGULATORS.






SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>6025 SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston Sensed</li> <li>Captured venting</li> <li>17-4 Stainless Steel hardened valves</li> <li>Air loaded designs available</li> </ul>	20000 psig / 1378.95 bar	Cv: 0.06 Cv: 0.12 Cv: 0.20	17-4 Stainless Steel
<b>6025AL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic, Piston Sensed</li> <li>Air loaded</li> <li>Captured venting</li> <li>17-4 SS hardened valves</li> <li>Compatible w/ electro-pneumatic controllers</li> </ul>	20000 psig / 1378.95 bar	Cv: 0.06 Cv: 0.12 Cv: 0.20	17-4 Stainless Steel
<b>RO.1 SERIES</b> 	<ul style="list-style-type: none"> <li>Roughing regulator</li> <li>Used with high pressure regulators for increased outlet pressure stability</li> <li>7/8" hex for easy torque</li> </ul>	10000 psig / 689.5 bar	Cv: 0.1	316 Stainless Steel 303 Stainless Steel

## HIGH FLOW. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>2800N SERIES</b> 	<ul style="list-style-type: none"> <li>• Neoprene (<i>fabric reinforced</i>) diaphragm</li> <li>• PCTFE seat</li> <li>• Stable delivery pressure</li> <li>• Outlet pressures up to 150 PSIG / 10.34 bar</li> </ul>	3000 psig / 206.84 bar	Cv: 1.0 Cv: 2.0	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum 303 Stainless Steel
<b>2800S SERIES</b> 	<ul style="list-style-type: none"> <li>• 316 Stainless Steel or Neoprene (<i>fabric reinforced</i>) diaphragm</li> <li>• PCTFE or Vespel® seat</li> <li>• Outlet pressures up to 150 PSIG / 10.34 bar</li> </ul>	3000 psig / 206.84 bar	Cv: 1.0	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
<b>2800P SERIES</b> 	<ul style="list-style-type: none"> <li>• Piston sensed for increased cycle life</li> <li>• PCTFE or PEEK® seat</li> <li>• Outlet pressures up to 500 PSIG / 34.47 bar</li> </ul>	3000 psig / 206.84 bar	Cv: 1.0 Cv: 2.0	SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
<b>2800PDL SERIES</b> 	<ul style="list-style-type: none"> <li>• Piston sensed for increased cycle life</li> <li>• Dome load: 1:1, (1000 psig / 68.95 max load)</li> <li>• PCTFE seat</li> <li>• Non-venting</li> </ul>	3000 psig / 206.84 bar	Cv: 2.0	SAE 360 Brass 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
<b>2860PDL SERIES</b> 	<ul style="list-style-type: none"> <li>• Captured venting</li> <li>• Dome load: 1550 PSIG (106.9 bar) max</li> <li>• High flow</li> <li>• Piston sensed</li> <li>• PCTFE seat</li> </ul>	3000 psig / 206.84 bar	Cv: 2.0	SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel 303 Stainless Steel




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## HIGH FLOW. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>5000 SERIES</b> 	<ul style="list-style-type: none"> <li>Piston sensed</li> <li>Vespel® seat</li> <li>Outlet pressures up to 2500 psig / 6.89 bar</li> </ul>	4500 psig / 172.37 bar	Cv: 1.0 Cv: 2.0	303 Stainless Steel
<b>5033DL/5060DL SERIES</b> 	<ul style="list-style-type: none"> <li>Dome loaded</li> <li>Piston sensed</li> <li>1:1 dome load</li> <li>Optional external sensing port for improved accuracy</li> </ul>	10000 psig / 689.5 bar	Cv: 3.3 Cv: 6.0	316 Stainless Steel
<b>5050 SERIES</b> 	<ul style="list-style-type: none"> <li>High flow</li> <li>Diaphragm sensed</li> <li>Buna-n Viton® or PTFE seat</li> <li>350 PSIG / 24.13 BAR max outlet pressure</li> </ul>	1000 psig / 68.95 bar	Cv: 5.0	303 Stainless Steel 316 Stainless Steel Aluminum, Clear Anodize Monel 400®
<b>5050DL SERIES</b> 	<ul style="list-style-type: none"> <li>Dome loaded</li> <li>Diaphragm sensed</li> <li>Buna-n seat</li> <li>1:1 dome load</li> <li>Max dome load 100 psig / 6.89 bar</li> </ul>	1000 psig / 68.95 bar	Cv: 5.0	303 Stainless Steel 316 Stainless Steel Aluminum, Clear Anodize
<b>5050DLB SERIES</b> 	<ul style="list-style-type: none"> <li>Dome loaded / bias spring</li> <li>Diaphragm sensed</li> <li>Buna-n seat</li> <li>dome load + bias spring pressure = outlet pressure</li> <li>Max dome load 100 psig / 6.89 bar</li> </ul>	1000 psig / 68.95 bar	Cv: 5.0	303 Stainless Steel 316 Stainless Steel Aluminum, Clear Anodize

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## HIGH FLOW. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>50120DL SERIES</b> 	<ul style="list-style-type: none"> <li>• Dome loaded</li> <li>• Piston sensed</li> <li>• 1:1 dome load</li> <li>• Optional external sensing port for improved accuracy</li> </ul>	6000 psig / 413.7 bar	Cv: 12.0	316 Stainless Steel
<b>50200DL SERIES</b> 	<ul style="list-style-type: none"> <li>• Flow capacity (Cv): 20.0</li> <li>• 1:1 dome load</li> <li>• Piston sensed</li> <li>• Optional external sensing port</li> </ul>	6000 psig / 413.7 bar <i>(See data sheet)</i>	Cv: 20.0	316 Stainless Steel
<b>50300DL SERIES</b> 	<ul style="list-style-type: none"> <li>• Flow capacity (Cv): 30.0</li> <li>• 1:1 dome load</li> <li>• Piston sensed</li> <li>• Optional external sensing port</li> </ul>	6000 psig / 413.7 bar <i>(Cv 2.0)</i>	Cv: 30.0	316 Stainless Steel

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## HIGH FLOW. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>3016 SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>High flow</li> <li>Piston Sensed</li> <li>Self venting</li> <li>Optional captured venting</li> <li>Air loaded &amp; dome loaded designs available</li> </ul>	10000 psig / 689.5 bar <i>(See data sheet)</i>  6000 psig / 413.7 bar <i>(See data sheet)</i>	Cv: 1.0 Cv: 2.0	SAE 360 brass 316 Stainless Steel 303 Stainless Steel Monel 400®
<b>3016AL SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>High flow</li> <li>Piston Sensed</li> <li>Self venting</li> <li>Optional captured venting</li> <li>Spring loaded designs available</li> </ul>	10000 psig / 689.5 bar <i>(Cv 1.0)</i>  6000 psig / 413.7 bar <i>(Cv 2.0)</i>	Cv: 1.0 Cv: 2.0	316 Stainless Steel
<b>3016DL SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>High flow</li> <li>Dome loaded</li> <li>Piston Sensed</li> <li>Optional captured venting</li> <li>Spring loaded designs available</li> </ul>	10000 psig / 689.5 bar <i>(Cv 1.0)</i>  6000 psig / 413.7 bar <i>(Cv 2.0)</i>	Cv: 1.0 Cv: 2.0	316 Stainless Steel 17-4 Stainless Steel
<b>6016 SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>High flow</li> <li>Piston Sensed</li> <li>Captured venting</li> </ul>	10000 psig / 689.5 bar <i>(Cv 1.0)</i>	Cv: 1.0	316 Stainless Steel

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## CYLINDER AND LINE. PRESSURE REDUCING REGULATORS.






SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>2500 SERIES</b> 	<ul style="list-style-type: none"> <li>• Neoprene or 316 stainless steel diaphragm</li> <li>• Teflon® seat</li> <li>• Single stage</li> <li>• Outlet pressures up to 500 PSIG / 34.47 bar</li> <li>• 15 micron valve cartridge filter</li> <li>• Optional body diameters: 1.5", 1.75", &amp; 2.0"</li> </ul>	3500 psig / 241.3 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel Monel®
<b>2500A SERIES</b> 	<ul style="list-style-type: none"> <li>• <b>Absolute pressure regulator</b></li> <li>• Control pressures from 50 mm Hg absolute (28" Hg) to 350 psig /24.1 bar</li> <li>• 316 Stainless Steel diaphragm</li> <li>• PFA Teflon® seat</li> <li>• Captured bonnet vent</li> </ul>	3000 psig / 206.84 bar	Cv: 0.08	SAE 360 Brass, Nickel Plated
<b>2500DL SERIES</b> 	<ul style="list-style-type: none"> <li>• <b>Dome loaded</b></li> <li>• Neoprene diaphragm (0.785:1 load ratio) or 316 stainless steel diaphragm (1:1 load ratio)</li> <li>• PCTFE seat</li> <li>• Outlet pressures up to 500 PSIG / 34.47 bar</li> </ul>	3000 psig / 206.84 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass, Nickel Plated SAE 360 Brass 316 Stainless Steel
<b>2500DLB SERIES</b> 	<ul style="list-style-type: none"> <li>• <b>Dome loaded /bias spring</b></li> <li>• 316 stainless steel diaphragm</li> <li>• PCTFE seat</li> <li>• Outlet pressures up to 500 PSIG / 34.47 bar</li> <li>• Preset spring bias</li> </ul>	3000 psig / 206.84 bar	Cv: 0.08 Cv: 0.20	316 Stainless Steel 303 Stainless Steel Monel 405® & Elgiloy® SAE 360 Brass, Nickel Plated

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## CYLINDER AND LINE. PRESSURE REDUCING REGULATORS.





SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>2510 SERIES</b> 	<ul style="list-style-type: none"> <li>• Reduced decaying inlet characteristic in a single stage design</li> <li>• Neoprene or 316 stainless steel diaphragm</li> <li>• PCTFE, or PTFE seat</li> <li>• Outlet pressures up to 500 PSIG / 34.47 bar</li> </ul>	3500 psig / 241.3 bar	Cv: 0.20	SAE 360 Brass, Nickel Plated  SAE 360 Brass  303 Stainless Steel  316 Stainless Steel
<b>2550 SERIES</b> 	<ul style="list-style-type: none"> <li>• High sensitivity</li> <li>• 316 stainless steel or neoprene diaphragm</li> <li>• Teflon® seat</li> <li>• Outlet pressures up to 250 PSIG / 17.24 bar</li> </ul>	3000 psig / 206.84 bar	Cv: 0.08 <i>(standard)</i>  Cv: 0.2	SAE 360 Brass  SAE 360 Brass, Nickel Plated  6061-T6 Aluminum, Clear Anodized  316 Stainless Steel
<b>2550A SERIES</b> 	<ul style="list-style-type: none"> <li>• High sensitivity</li> <li>• Full vacuum sub-atmospheric pressure control</li> <li>• Elgiloy® diaphragm</li> <li>• Captured bonnet vent</li> </ul>	3000 psig / 206.84 bar	Cv: 0.08 <i>(standard)</i>	316 Stainless Steel
<b>2600 SERIES</b> 	<ul style="list-style-type: none"> <li>• Piston sensed</li> <li>• Kel-F 81® seat</li> <li>• Outlet pressures up to 2500 PSIG / 172.37 bar</li> <li>• Optional panel mounting nut</li> <li>• Non-venting</li> </ul>	3500 psig / 241.32 bar	Cv: 0.08 Cv: 0.20 Cv: 0.30	SAE 360 Brass  SAE 360 Brass, Nickel Plated  6061-T6 Aluminum, Clear Anodized  316 Stainless Steel  303 Stainless Steel
<b>2610 SERIES</b> 	<ul style="list-style-type: none"> <li>• Reduced decaying inlet characteristic</li> <li>• Piston sensed</li> <li>• PCTFE seat</li> <li>• Outlet pressures up to 2500 PSIG / 172.37 bar</li> <li>• Optional panel mounting nut</li> </ul>	3750 psig / 258.55 bar	Cv: 0.20	6061-T6 Aluminum, Clear Anodized  316 Stainless Steel  303 Stainless Steel

## CYLINDER AND LINE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>2660 SERIES</b> 	<ul style="list-style-type: none"> <li>• Self venting</li> <li>• Piston sensed</li> <li>• PCTFE main valve seat</li> <li>• Outlet pressures up to 1000 PSIG / 68.95 bar</li> <li>• Optional panel mounting nut</li> </ul>	3500 psig / 241.32 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass, Nickel Plated  303 Stainless Steel
<b>4500 SERIES</b> 	<ul style="list-style-type: none"> <li>• <b>Two stage design</b> for stable delivery pressures</li> <li>• 15 micron valve cartridge filter</li> <li>• Interstage relief valve</li> <li>• Neoprene or 316 stainless steel diaphragm</li> <li>• Optional piston sensed first stage</li> <li>• Teflon® seat</li> <li>• Outlet pressures up to 250 PSIG / 17.24 bar</li> </ul>	3000 psig / 206.84 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass SAE 360 Brass, Nickel Plated  6061-T6 Aluminum, Clear Anodized  316 Stainless Steel  Monel®
<b>6250 SERIES</b> 	<ul style="list-style-type: none"> <li>• 316 Stainless Steel diaphragm (<i>standard</i>)</li> <li>• PEEK®, or Vespel® seat</li> <li>• Outlet pressures up to 500 PSIG / 34.47 bar</li> <li>• Optional panel mounting nuts or bottom mount</li> </ul>	3500 psig / 241.3 bar	Cv: 0.20	6061-T6 Aluminum, Clear Anodized  SAE 360 Brass, Nickel Plated  303 Stainless Steel  316 Stainless Steel  Inconel 625
<b>6250DLB SERIES</b> 	<ul style="list-style-type: none"> <li>• 316 Stainless Steel diaphragm</li> <li>• PEEK® seat</li> <li>• 1:1 Dome load: up to 500 psig / 34.47 bar</li> <li>• Preset spring bias: up to 100 psig / 6.89 bar</li> <li>• Elastomer Free</li> </ul>	3000 psig / 206.84 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass, Nickel Plated  303 Stainless Steel 316 Stainless Steel  Monel®

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## TRANSPORTABLE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>2300N SERIES</b> 	<ul style="list-style-type: none"> <li>• Single stage</li> <li>• Neoprene or Viton® diaphragm</li> <li>• Neoprene seat</li> <li>• Outlet pressures up to 60 psig / 4.14 bar</li> </ul>	500 psig / 34.5 bar  <i>(dependent upon configuration)</i>	Cv: 0.04	SAE 360 Brass  6061-T6 Aluminum, Clear Anodized
<b>2310C SERIES</b> 	<ul style="list-style-type: none"> <li>• Single stage</li> <li>• Viton® or neoprene diaphragm</li> <li>• PFA Teflon® seat</li> <li>• Outlet pressures up to 60 psig / 4.14 bar</li> <li>• Stainless steel piercing tip</li> <li>• Reduced decaying inlet characteristic</li> <li>• Integrated relief valve</li> <li>• Adjusting knob with locking-nut</li> </ul>	3000 psig / 206.84 bar	Cv: 0.025	SAE 360 Brass  6061-T6 Aluminum, Clear Anodized
<b>2310N SERIES</b> 	<ul style="list-style-type: none"> <li>• Single stage</li> <li>• Neoprene diaphragm</li> <li>• PFA Teflon® seat</li> <li>• Reduced decaying inlet characteristic</li> <li>• Adjusting knob with locking-nut</li> </ul>	3000 psig / 206.8 bar	Cv: 0.025	6061-T6 Aluminum, Clear Anodized
<b>2300S SERIES</b> 	<ul style="list-style-type: none"> <li>• Single stage</li> <li>• Elastomer free</li> <li>• Elgiloy® diaphragm</li> <li>• PTFE seat</li> <li>• Outlet pressures up to 150 psig /10.34 bar</li> </ul>	3000 psig / 206.84 bar	Cv: 0.05	SAE 360 Brass, Nickel Plated  6061-T6 Aluminum, Nickel Plated  316 Stainless Steel  303 Stainless Steel

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## TRANSPORTABLE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>2300C SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for use w/ disposable gas cartridges</li> <li>Robust stainless steel piercing tip</li> <li>Integrated relief valve</li> <li>Adjusting knob w/ locking nut</li> </ul>	3500 psig / 241.3 bar	Cv: 0.04	SAE 360 Brass 6061-T6 Aluminum, Clear Anodized
<b>2700 SERIES</b> 	<ul style="list-style-type: none"> <li>Piston sensed</li> <li>Teflon® seat</li> <li>Outlet pressures up to 60 psig / 4.14 bar</li> <li>Factory preset flow settings from 0.25 liters/min to 9.0 liters/min</li> <li>Wide variety of shut off valve options</li> </ul>	3000 psig / 206.84 bar	preset: 0.25 lpm - 9.0 lpm	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel 303 Stainless Steel
<b>2701 SERIES</b> 	<ul style="list-style-type: none"> <li>Piston sensed</li> <li>PTFE seat</li> <li>Standard preset control pressure: 40-80 psig (2.76 - 5.52 bar)</li> <li>Factory preset flow from 0.1 to 4.0 liters/min</li> <li>Wide variety of shut off valve options</li> </ul>	3000 psig / 206.84 bar	preset: 0.1 slpm - 4.0 slpm	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel 303 Stainless Steel
<b>2780 SERIES</b> 	<ul style="list-style-type: none"> <li>Piston sensed</li> <li>Compact and light-weight</li> <li>Teflon® seat</li> <li>Outlet pressures up to 60 psig / 4.14 bar</li> <li>Factory preset flow settings from 0.25 liters/min to 7.0 liters/min</li> </ul>	1000 psig / 68.95 bar	preset: 0.25 lpm - 7.0 lpm	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 303 Stainless Steel






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## TRANSPORTABLE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>2900 SERIES</b> 	<ul style="list-style-type: none"> <li>Adjustable Click stop, 12 position, variable flow settings from 0 to 8.0 lpm</li> <li>Teflon® seat</li> <li>Standard preset control pressure 15 psig / 1.03 bar</li> <li>Integral relief valve</li> <li>Optional two-stage design</li> </ul>	3500 psig / 241.3 bar	0.3, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 5.0, 6.0, 7.0, 8.0 SLPM	6061-T6 Aluminum, Clear Anodized
<b>4300N SERIES</b> 	<ul style="list-style-type: none"> <li><b>Two stage regulator</b></li> <li>1st stage piston, 2nd stage neoprene or viton® diaphragm</li> <li>Teflon® &amp; neoprene seats</li> <li>Outlet pressures up to 100 PSIG / 6.89 bar</li> <li>Precise stable delivery pressure even as the supply pressure decreases</li> <li>Low internal volume</li> </ul>	3000 psig / 206.84 bar	Cv: 0.04	6061-T6 Aluminum, Clear Anodized  303 Stainless Steel
<b>4300S SERIES</b> 	<ul style="list-style-type: none"> <li><b>Two stage regulator</b></li> <li>1st stage piston, 2nd stage Elgiloy® diaphragm</li> <li>Teflon® seats</li> <li>Outlet pressures up to 100 PSIG / 6.89 bar</li> <li>Precise stable delivery pressure even as the supply pressure decreases</li> <li>Low internal volume</li> </ul>	3000 psig / 206.84 bar	Cv: 0.04	SAE 360 Brass, Nickel Plated  6061-T6 Aluminum, Clear Anodized  303 Stainless Steel  316 Stainless Steel  Monel®
<b>4700 SERIES</b> 	<ul style="list-style-type: none"> <li><b>Two stage design</b> for stable delivery pressures</li> <li>40 micron integral inlet filter</li> <li>Preset, fixed flow</li> <li>Piston sensed</li> <li>Teflon® seat</li> </ul>	3000 psig / 206.84 bar	preset: 0.25 lpm - 9.0 lpm	SAE 360 Brass  SAE 360 Brass, Nickel Plated  6061-T6 Aluminum, Clear Anodized  303 Stainless Steel





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## HIGH PRESSURE. BACK PRESSURE REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>3100 SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>Piston sensed</li> <li>Vespel®, PEEK®, or PCTFE seat</li> <li>Optional panel mounting bracket</li> </ul>	10000 psig / 689.5 bar <i>(Stainless Steel)</i>  6000 psig / 413.7 bar <i>(Brass)</i>	Cv: 0.03 Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel  SAE 360 Brass
<b>3100AL SERIES</b> 	<ul style="list-style-type: none"> <li>Air loaded, Piston sensed</li> <li>Vespel® or PEEK® seat</li> <li>Optional panel mounting bracket</li> <li>Compatible with electro-pneumatic controllers</li> </ul>	10000 psig / 689.5 bar <i>(Stainless Steel)</i>  6000 psig / 413.7 bar <i>(Brass)</i>	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel  SAE 360 Brass
<b>3100DL SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>Dome loaded, Piston sensed</li> <li>Vespel® main valve seat</li> <li>Compatible with electro-pneumatic controllers</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel  SAE 360 Brass
<b>6100 SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston sensed</li> <li>Choice of seat: Vespel®, 316 Stainless Steel, PEEK®, or 17-4 Stainless Steel hardened</li> <li>Optional panel mounting bracket</li> </ul>	10000 psig / 689.5 bar <i>(Stainless Steel)</i>  6000 psig / 413.7 bar <i>(Brass)</i>	Cv: 0.03 Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel  17-4 Stainless Steel
<b>6100AL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic, Piston Sensed</li> <li>Choice of seat: Vespel®, PEEK®, 316 SS or 17-4SS hardened</li> <li>Optional panel mounting bracket</li> </ul>	10000 psig / 689.5 bar <i>(Stainless Steel)</i>  6000 psig / 413.7 bar <i>(Brass)</i>	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel  SAE 360 Brass

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 PEEK® is a registered trademark of Victrex PLC

## HIGH PRESSURE. BACK PRESSURE REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>6100DL SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston Sensed</li> <li>Choice of seat: Vespel®, or 17-4 Stainless Steel</li> <li>Optional panel mounting bracket</li> <li>Compatible w/ electro pneumatic controllers</li> </ul>	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2  Cv 0.4 optional	316 Stainless Steel SAE 360 Brass
<b>3123 SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>Piston sensed</li> <li>Choice of seat: Vespel®, or PEEK®</li> <li>Optional panel mounting bracket</li> </ul>	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel
<b>3123AL SERIES</b> 	<ul style="list-style-type: none"> <li>Designed for gas media</li> <li>Piston sensed</li> <li>Choice of seat: Vespel®, PEEK®, 316 Stainless Steel, or 17-4 Stainless Steel</li> <li>Optional panel mounting bracket</li> </ul>	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel
<b>6123 SERIES</b> 	<ul style="list-style-type: none"> <li>Hydraulic</li> <li>Piston sensed</li> <li>Choice of seat: Vespel®, PEEK®, 316 Stainless Steel, or 17-4 Stainless Steel</li> <li>Optional panel mounting bracket</li> </ul>	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel

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## HIGH PRESSURE. BACK PRESSURE REGULATORS.





SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>3116 SERIES</b> 	<ul style="list-style-type: none"> <li>• High flow</li> <li>• Piston Sensed</li> <li>• Surface mounting optional</li> </ul>	10000 psig / 689.48 bar  <i>(dependent on body material)</i>	Cv: 1.0 Cv: 2.0	316 Stainless Steel  17-4 Stainless Steel
<b>3116DL SERIES</b> 	<ul style="list-style-type: none"> <li>• High flow</li> <li>• Dome loaded</li> <li>• Piston sensed</li> <li>• Surface mounting optional</li> </ul>	10000 psig / 689.48 bar  <i>(dependent on body material)</i>	Cv: 1.0 Cv: 2.0	316 Stainless Steel  17-4 Stainless Steel
<b>3116SL SERIES</b> 	<ul style="list-style-type: none"> <li>• High flow</li> <li>• Stacked loader</li> <li>• Piston sensed</li> <li>• Surface mounting optional</li> </ul>	10000 psig / 689.48 bar  <i>(dependent on body material)</i>	Cv: 1.0 Cv: 2.0	316 Stainless Steel  17-4 Stainless Steel
<b>6116 SERIES</b> 	<ul style="list-style-type: none"> <li>• High flow</li> <li>• Hydraulic</li> <li>• Piston Sensed</li> <li>• Surface mounting optional</li> </ul>	10000 psig / 689.48 bar  <i>(dependent on body material)</i>	Cv: 1.0 Cv: 2.0	316 Stainless Steel  17-4 Stainless Steel

## HIGH PRESSURE. BACK PRESSURE REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>6116DL SERIES</b> 	<ul style="list-style-type: none"> <li>• High flow</li> <li>• Dome loaded</li> <li>• Hydraulic</li> <li>• Piston Sensed</li> <li>• Surface mounting optional</li> </ul>	10000 psig / 689.48 bar  <i>(dependent on body material)</i>	Cv: 1.0 Cv: 2.0	316 Stainless Steel  17-4 Stainless Steel
<b>6116SL SERIES</b> 	<ul style="list-style-type: none"> <li>• High flow</li> <li>• Stacked loader</li> <li>• Hydraulic</li> <li>• Piston Sensed</li> <li>• Surface mounting optional</li> </ul>	10000 psig / 689.48 bar  <i>(dependent on body material)</i>	Cv: 1.0 Cv: 2.0	316 Stainless Steel  17-4 Stainless Steel
<b>3125 SERIES</b> 	<ul style="list-style-type: none"> <li>• High pressure, 20K</li> <li>• Piston Sensed</li> <li>• Fluted hand knob</li> <li>• Ball-bearing loader</li> <li>• Optional panel mounting bracket, panel mounting nuts or surface mounting</li> </ul>	20000 psig / 1378.95 bar	Cv: 0.03 Cv: 0.06 Cv: 0.14 Cv: 0.20	316 Stainless Steel
<b>6125 SERIES</b> 	<ul style="list-style-type: none"> <li>• High pressure, 20K</li> <li>• Hydraulic</li> <li>• Piston Sensed</li> <li>• Fluted hand knob</li> <li>• Ball-bearing loader</li> <li>• Optional panel mounting bracket, panel mounting nuts or surface mounting</li> </ul>	20000 psig / 1378.95 bar	Cv: 0.03 Cv: 0.06 Cv: 0.14 Cv: 0.20	316 Stainless Steel

## MISC.




### BACK PRESSURE REGULATORS.

SERIES	FEATURES	FLOW CAPACITY	BODY MATERIAL
<b>2100 SERIES</b> 	<ul style="list-style-type: none"> <li>• 316 stainless steel, Viton®, or BUNA-N diaphragm</li> <li>• Max control pressure of 500 psig / 34.5 bar</li> <li>• PFA seat</li> <li>• Optional metal to metal seat</li> </ul>	Cv: 0.14 Cv: 0.2	316 Stainless Steel 303 Stainless Steel SAE 360 Brass SAE 360 Brass, Nickel Plated
<b>2100DLB SERIES</b> 	<ul style="list-style-type: none"> <li>• Dome loaded / bias spring</li> <li>• Elastomer free</li> <li>• Max load pressure of 500 psig / 34.5 bar</li> <li>• PCTFE seat</li> <li>• Preset spring bias up to 100 psig / 6.89 bar</li> </ul>	Cv: 0.14 Cv: 0.2	316 Stainless Steel
<b>2400 SERIES</b> 	<ul style="list-style-type: none"> <li>• High sensitivity</li> <li>• Viton® diaphragm with stainless steel liner</li> <li>• Viton® seat</li> <li>• Optional panel mounting nut</li> <li>• Control pressures up to 24 psig / 1.72 bar</li> </ul>	Cv: 0.6	6061-T6 Aluminum, Nickel Plated 303 Stainless Steel
<b>2400DL SERIES</b> 	<ul style="list-style-type: none"> <li>• Dome loaded, high sensitivity</li> <li>• Viton® diaphragm</li> <li>• Viton® seat</li> <li>• 1.3 to 1 dome load</li> <li>• Cracking pressure: 0-75 PSIG (0-5.17 bar)</li> </ul>	Cv: 0.6	303 Stainless Steel






## MISC.

### BACK PRESSURE REGULATORS.

SERIES	FEATURES	FLOW CAPACITY	BODY MATERIAL
<b>5150 SERIES</b> 	<ul style="list-style-type: none"> <li>High Flow / Low Pressure</li> <li>Piston sensed</li> <li>Compact, non-rising stem</li> <li>Control pressures up to 200 psig / 13.79 bar</li> </ul>	Cv: 5.0	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
<b>5150AL SERIES</b> 	<ul style="list-style-type: none"> <li>High Flow / Low Pressure</li> <li>Air Loaded</li> <li>PTFE seat</li> <li>Piston sensed</li> <li>100 psig / 6.89 bar max load</li> <li>Control pressures up to 300 psig / 20.68 bar</li> </ul>	Cv: 5.0	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
<b>P91W SERIES</b> 	<ul style="list-style-type: none"> <li>Dome loaded mity mite replacement</li> <li>Gylon® 3522 diaphragm</li> <li>Control pressures up to 3000 psig / 206.8 bar</li> <li>Optional precharge isolation valve</li> </ul>	Cv: 0.38 Cv: 0.17	316 Stainless Steel 2024-T4 Aluminum





*Gylon® is a registered trademark of Garlock, Inc.*

## SPECIALTY. PRESSURE REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
<b>4902 SERIES</b> 	<ul style="list-style-type: none"> <li>• Demand flow regulator</li> <li>• Diaphragm Sensed (Buna-n or Viton®)</li> <li>• The unique high flow capability allows multiple analyzers on a single docking station</li> <li>• Integral relief valve</li> <li>• 40 micron stainless steel inlet filter</li> </ul>	3000 psig / 206.82 bar	3.0 lpm @ 3” H <sub>2</sub> O  up to 8 lpm with increased vacuum	6061-T6 Aluminum, Clear Anodized  303 Stainless Steel  SAE 360 Brass, Nickel Plated
<b>4903 SERIES</b> 	<ul style="list-style-type: none"> <li>• Demand flow regulator</li> <li>• Diaphragm Sensed (Buna-n or Viton®)</li> <li>• Compact size (2” diameter)</li> <li>• 40 micron stainless steel inlet filter</li> <li>• Stainless steel body &amp; wetted components provide minimum degradation to cylinder gases.</li> </ul>	3000 psig / 206.82 bar	Permits the flow of gas at less than 3” H <sub>2</sub> O	303 Stainless Steel  6061-T6 Aluminum, Clear Anodize  SAE 360 Brass, Nickel Plated
<b>4050 SERIES</b> 	<ul style="list-style-type: none"> <li>• Two stage</li> <li>• High sensitivity</li> <li>• Adjustable within 0.2 inches H<sub>2</sub>O / 0.007 psig of target pressure on the 0-2 psig control pressure config.</li> <li>• Optional panel mounting nuts</li> </ul>	3000 psig / 206.82 bar	15 lpm	6061-T6 Aluminum, Clear Anodized  Stainless Steel  SAE 360 Brass





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## VALVES. AND ACCESSORIES.


SERIES	FEATURES	MAX INLET PRESSURE	SEAT MATERIAL	BODY MATERIAL
<b>AO VALVES</b> 	<ul style="list-style-type: none"> <li>• High operating pressures</li> <li>• Low actuation pressure: 70 psig / 4.8 bar</li> <li>• Cv: 0.20, 0.80, 2.0, 5.0</li> <li>• Stainless steel body</li> <li>• Compatible with electro-pneumatic controllers</li> <li>• Optional solenoid adapter</li> </ul>	20000 psig / 1378.95 bar  <i>(dependent upon configuration)</i>	Vespel®  PEEK  PCTFE	316 Stainless Steel  303 Stainless Steel  C693 Eco Brass  Monel
<b>STAINLESS STEEL SHUT OFF VALVES</b> 	<ul style="list-style-type: none"> <li>• 17-4 stainless steel valve stem</li> <li>• Cv: 0.25</li> <li>• Optional integrated burst disks and relief valves</li> <li>• Optional dip tube</li> </ul>	3000 psig / 206.82 bar	PCTFE or PEEK®	316 Stainless Steel
<b>MINIATURE BRASS SHUT OFF VALVES</b> 	<ul style="list-style-type: none"> <li>• 303 stainless steel valve stem</li> <li>• Cv: 0.25</li> <li>• Metal to metal seal</li> </ul>	3000 psig / 206.82 bar	SAE 360 Brass	SAE 360 Brass
<b>EXCESS FLOW PREVENTION VALVES</b> 	<ul style="list-style-type: none"> <li>• Automatically shut off the flow of gas when flow exceeds a preset level. Factory adjustable flow trip point</li> <li>• Convenient integrated bypass valve/reset slider</li> <li>• Complete shut off when tripped (no bleed)</li> <li>• High Sensitivity model</li> </ul>	3000 psig / 206.82 bar  <i>(dependent upon configuration)</i>		SAE 360 Brass  303 Stainless Steel  6061-T6 Aluminum, Clear Anodized

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 Monel® is a registered trademark of Special Metals Corporation



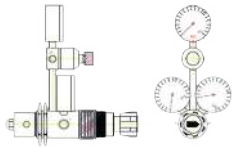
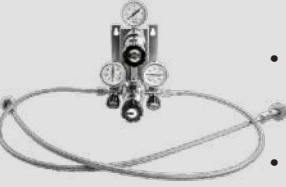
## VALVES. AND ACCESSORIES.

SERIES	FEATURES	MAX INLET PRESSURE	SEAT MATERIAL	BODY MATERIAL
<b>FLOW SIGHT TUBE VALVE</b> 	<ul style="list-style-type: none"> <li>Acrylic flow indicator</li> <li>Needle style shut off valve</li> </ul>	600 psig / 41.37 bar		SAE 360 Brass
<b>SAMPLING CYLINDERS</b> 	<ul style="list-style-type: none"> <li>Seamless 316 stainless steel cylinders</li> <li>316 stainless steel inlet and outlet valves</li> <li>50 cc, 150cc, 300cc, 500cc cylinders</li> <li>Optional pressure relief devices</li> </ul>	1800 psig / 124.11 bar <i>(cylinders)</i>  3000 psig / 206.82 bar <i>(valves)</i>	PCTFE valve seats	316 Stainless Steel <i>(cylinders &amp; valves)</i>
<b>70A SERIES</b> 	<ul style="list-style-type: none"> <li>High pressure valve</li> <li>Angle configuration</li> <li>Low torque at high pressures</li> <li>Bubble-tight shutoff</li> </ul>	10000 psig / 689.5 bar	PCTFE PTFE PEEK® Vespel® SP-1	316 Stainless Steel  SAE 360 Brass
<b>70AB SERIES</b> 	<ul style="list-style-type: none"> <li>High pressure valve</li> <li>Bleed/vent valve enables users to bleed pressures downstream down to zero.</li> <li>Low torque at high pressures</li> <li>Bubble-tight shutoff</li> </ul>	10000 psig / 689.5 bar	PCTFE PTFE PEEK® Vespel® SP-1	316 Stainless Steel  SAE 360 Brass


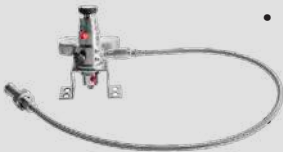
## VALVES. AND ACCESSORIES.

SERIES	FEATURES	MAX INLET PRESSURE	SEAT MATERIAL	BODY MATERIAL
<b>70G SERIES</b> 	<ul style="list-style-type: none"> <li>• High pressure valve</li> <li>• Globe configuration</li> <li>• Low torque at high pressures</li> <li>• Bubble-tight shutoff</li> </ul>	10000 psig / 689.5 bar	Vespel® SP-1	316 Stainless Steel

## MANIFOLDS AND CHANGEOVERS. GAS DELIVERY SYSTEMS.

SERIES	STANDARD COMPONENTS	MAX INLET PRESSURE	MAX PROCESS FLOW RATE	BODY MATERIAL
<b>CR2500 SERIES</b> 	<ul style="list-style-type: none"> <li>One stainless steel diaphragm changeover regulator</li> </ul>	3000 psig / 206.84 bar	Cv: 0.08	SAE 360 Brass 316 Stainless Steel 6061-T6 Aluminum, Clear Anodized
<b>ACS2500 SERIES</b> 	<ul style="list-style-type: none"> <li>2 - Premier 2500 Series, single stage regulators</li> <li>Integrated relief valve</li> <li>Stainless steel mounting bracket</li> </ul>	3000 psig / 206.84 bar <i>dependent upon configuration</i>	Cv: 0.20	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
<b>CS2300 SERIES</b> 	<ul style="list-style-type: none"> <li>1 - Premier changeover regulator</li> <li>1 - Premier 2300 Series, line regulator</li> <li>2 - Panel Mounting Nuts</li> </ul>	3000 psig / 206.84 bar <i>dependent upon configuration</i>	Cv: 0.08	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
<b>CS2500 SERIES</b> 	<ul style="list-style-type: none"> <li>1 - Premier changeover regulator</li> <li>1 - Premier 2500 Series line regulator</li> <li>1 - Stainless Steel mounting Bracket with 4 - holes for 1/4" screws</li> <li>2 - Check valves in Stainless Steel or Brass</li> </ul>	3000 psig / 206.84 bar <i>dependent upon configuration</i>	Cv: 0.08	SAE 360 Brass SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel

## MANIFOLDS AND CHANGEOVERS. GAS DELIVERY SYSTEMS.

SERIES	STANDARD COMPONENTS	MAX INLET PRESSURE	MAX PROCESS FLOW RATE	BODY MATERIAL
<b>M2500 SERIES</b> 	<ul style="list-style-type: none"> <li>1 Premier 2500 Series, two stage regulator</li> <li>1 Stainless Steel mounting Bracket with 4 holes for 1/4" screws</li> <li>Check valve(s) in brass or stainless steel</li> </ul>	3000 psig / 206.84 bar  <i>dependent upon configuration</i>	3.5 SLPM	SAE 360 Brass  SAE 360 Brass, Nickel Plated  316 Stainless Steel
<b>M4500 SERIES</b> 	<ul style="list-style-type: none"> <li>1 Premier 4500 Series, two stage regulator</li> <li>1 Stainless Steel mounting Bracket with 4 holes for 1/4" screws</li> <li>Check valve(s) in brass or stainless steel</li> </ul>	3000 psig / 206.84 bar  <i>dependent upon configuration</i>	Cv: 0.08	SAE 360 Brass  SAE 360 Brass, Nickel Plated  6061-T6 Aluminum, 316 Stainless Steel

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