



PREMIER INDUSTRIES

Regulators, Valves, & Gas Delivery Systems

April, 2019 Edition

AMERICAN MADE. RELIABLE. ECONOMICAL. PREMIER.

Premier industries offers you: engineers with more than 100 years of regulator design experience, innovative technology, vertically integrated / low overhead manufacturing, competitive pricing, quick turn around on custom designs, and a responsive and experienced new product development team.

All of our products are designed, manufactured, assembled, and tested right here in Blaine, Minnesota; they are truly, and proudly American made.



CONTENTS

- 5 Our Story
- 6 High Pressure, *Pressure Reducing Regulators*
- 12 High Flow, *Pressure Reducing Regulators*
- 15 Cylinder & Line, *Pressure Reducing Regulators*
- 18 Transportable, *Pressure Reducing Regulators*
- 22 High Pressure, *Back Pressure Regulators*
- 24 Misc., *Back Pressure Regulators*
- 26 Specialty, *Pressure Regulators*
- 27 Valves & Accessories
- 29 Changeovers & Manifolds








OUR STORY

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. Alongside our standard product line, we manufacture a line of specialty torches & tips, which are sold under the National Torch brand name.

We are proud to be a vertically integrated company that has the ability and means to produce quality premier products from concept to completion. All of our products are designed, manufactured, assembled, and tested right here in Blaine, Minnesota; they are truly, and proudly American made.

HIGH PRESSURE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
3400 SERIES 	<ul style="list-style-type: none"> • Diaphragm sensed • High sensitivity • Self venting/non-venting • Captured venting • Precise outlet pressure control 	3000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
3500 SERIES 	<ul style="list-style-type: none"> • Designed for gas media • Piston sensed • 15 micron sintered 316 SST inlet filter • Non-venting • Optional acorn nut • Three knob styles • Minimal soft goods 	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®
3500DL SERIES 	<ul style="list-style-type: none"> • Dome loaded, 1:1 • 15 micron sintered 316 SST inlet filter • Pneumatic, Piston Sensed • Captured venting • Compatible with electro-pneumatic controllers 	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
3500AL SERIES 	<ul style="list-style-type: none"> • Pneumatic, Piston Sensed • Air loaded, 1:2, 1:3, 1:4 • Captured venting • Compatible with electro-pneumatic controllers • 2 or 4 port designs 	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
6500 SERIES 	<ul style="list-style-type: none"> • Hydraulic • Piston Sensed • Non-venting • Optional acorn nut • Minimal soft goods • 3 knob styles 	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®






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SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
6500DL SERIES 	<ul style="list-style-type: none"> Hydraulic Dome loaded (1:1) Piston Sensed Captured venting Compatible with electro-pneumatic controllers 1000 psig (68.95 bar) max dome load 	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
6500AL SERIES 	<ul style="list-style-type: none"> Hydraulic Air loaded Piston Sensed Captured venting Compatible with electro-pneumatic controllers Load ratios: 1:2, 1:3, 1:4 2 or 4 port designs 	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
4600 SERIES 	<ul style="list-style-type: none"> Two stage Piston Sensed Stable set pressures 1st stage valve seat: Vespel® 2nd stage valve seat PCTFE 	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.2	316 Stainless Steel
3560 SERIES 	<ul style="list-style-type: none"> Miniature Pneumatic Captured-venting Compact, piston sensed Rear mounting holes std. Vespel®/PEEK/PCTFE seat 	10000 psig / 689.48 bar	Cv: 0.06 Cv: 0.2	316 Stainless Steel 303 Stainless Steel
6560 SERIES 	<ul style="list-style-type: none"> Miniature Hydraulic Captured-venting Compact, piston sensed Rear mounting holes std. Vespel® PEEK® or 17-4 & 440C Stainless steel seat 	10000 psig / 689.48 bar	Cv: 0.06 Cv: 0.2	316 Stainless Steel 303 Stainless Steel

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SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
3000 SERIES 	<ul style="list-style-type: none"> Designed for gas media Self venting, piston sensed 15 micron sintered 316 SST inlet filter Optional captured venting Dome loaded & Air loaded designs available Optional acorn nut 	10000 psig / 689.5 bar <i>(316 SST)</i> 6000 psig / 413.7 bar <i>(Brass & Aluminum)</i>	Cv: 0.06 Cv: 0.2	SAE 360 brass 316 Stainless Steel 6061-T6 Aluminum
3000AL SERIES 	<ul style="list-style-type: none"> Designed for gas media Air loaded, Piston Sensed 15 micron sintered 316 SST inlet filter Optional captured venting Compatible with electro-pneumatic controllers 	10000 psig / 689.5 bar <i>(316 SST)</i> 6000 psig / 413.7 bar <i>(Brass)</i>	Cv: 0.06 Cv: 0.12 Cv: 0.2	SAE 360 brass 316 Stainless Steel
3000DL SERIES 	<ul style="list-style-type: none"> Designed for gas media Dome loaded Piston Sensed Optional panel mounting nuts Compatible with electro-pneumatic controllers 	10000 psig / 689.5 bar	Cv: 0.06 Cv: 0.12 Cv: 0.2 Cv: 0.3	316 Stainless Steel
6000 SERIES 	<ul style="list-style-type: none"> Hydraulic, Piston Sensed Adjustable captured venting Air loaded design available Optional acorn nut Non-venting design available 	10000 psig / 689.5 bar	Cv: 0.06 Cv: 0.12 Cv: 0.2	316 Stainless Steel
6000AL SERIES 	<ul style="list-style-type: none"> Hydraulic, Piston Sensed Captured venting Air loaded Compatible with electro-pneumatic controllers 	10000 psig / 689.5 bar 6000 psig / 413.7 bar <i>(Brass)</i>	Cv: 0.06 Cv: 0.12 Cv: 0.2	316 Stainless Steel

HIGH PRESSURE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
6000DL SERIES 	<ul style="list-style-type: none"> Hydraulic, Piston Sensed Captured venting Dome loaded Compatible with electro-pneumatic controllers 	10000 psig / 689.5 bar	Cv: 0.06 Cv: 0.12 Cv: 0.2 Cv: 0.3	316 Stainless Steel
6000FL SERIES 	<ul style="list-style-type: none"> Hydraulic, Piston Sensed Raised face, welded neck flange connections 1" nominal pipe size Captured venting ANSI B16.5 class 1500 forged flange 	3000 psig / 206.84 bar	Cv: 0.06	17-4 Stainless Steel 316 Stainless Steel
3016 SERIES 	<ul style="list-style-type: none"> Designed for gas media High flow Piston Sensed Self venting Optional captured venting Air loaded & dome loaded designs available 	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®
3016AL SERIES 	<ul style="list-style-type: none"> Designed for gas media High flow Piston Sensed Self venting Optional captured venting Air loaded & dome loaded designs available 	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
6016 SERIES 	<ul style="list-style-type: none"> Hydraulic High flow Piston sensed Captured venting (standard) Vespel® main valve seat Max outlet pressure 10000 psig / 689.5 bar 	10000 psig / 689.5 bar	Cv: 1.0	316 Stainless Steel



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SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
3020 SERIES 	<ul style="list-style-type: none"> Designed for gas media 15 micron stainless steel valve cartridge filter Piston Sensed Captured venting Low-torque hand knob 	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
6020 SERIES 	<ul style="list-style-type: none"> Hydraulic Piston Sensed Captured venting Low-torque hand knob 	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
3023 SERIES 	<ul style="list-style-type: none"> Designed for gas media Captured venting Piston Sensed Vespel® seat Optional panel mounting nuts 	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12	316 Stainless Steel
3023AL SERIES 	<ul style="list-style-type: none"> Designed for gas media Air loaded, Piston Sensed Compatible with electro-pneumatic controllers Captured venting Optional panel mounting nuts & gauges 	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12	316 Stainless Steel
6023 SERIES 	<ul style="list-style-type: none"> Hydraulic, piston sensed Captured venting Choice of 17-4 stainless steel or Vespel® seat Optional panel mounting nuts 	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12	316 Stainless Steel
6023AL SERIES 	<ul style="list-style-type: none"> Hydraulic, air loaded Captured venting 17-4 Stainless Steel, hardened or Vespel® seat Optional panel mounting nuts 	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.12	316 Stainless Steel

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SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
3025 SERIES 	<ul style="list-style-type: none"> • Piston Sensed • Pneumatic • Captured venting • 17-4 Stainless Steel hardened valves • Air loaded designs available 	20000 psig / 1378.95 bar	Cv: 0.04	17-4 Stainless Steel
3025AL SERIES 	<ul style="list-style-type: none"> • Piston Sensed • Air loaded • Captured venting • 17-4 Stainless Steel hardened valves • Compatible w/ electro-pneumatic controllers 	20000 psig / 1378.95 bar	Cv: 0.043	17-4 Stainless Steel
3025HPL SERIES 	<ul style="list-style-type: none"> • Piston Sensed • High pressure loaded • Captured venting • 1500 psig (103.42 bar) max loading pressure 	20000 psig / 1378.95 bar	Cv: 0.04	17-4 Stainless Steel
6025 SERIES 	<ul style="list-style-type: none"> • Hydraulic • Piston Sensed • Captured venting • 17-4 Stainless Steel hardened valves • Air loaded designs available 	20000 psig / 1378.95 bar	Cv: 0.06 Cv: 0.12 Cv: 0.20	17-4 Stainless Steel
6025AL SERIES 	<ul style="list-style-type: none"> • Hydraulic, Piston Sensed • Air loaded • Captured venting • 17-4 SS hardened valves • Compatible w/ electro-pneumatic controllers 	20000 psig / 1378.95 bar	Cv: 0.06 Cv: 0.12 Cv: 0.20	17-4 Stainless Steel
RO.1 SERIES 	<ul style="list-style-type: none"> • Roughing regulator • Used with high pressure regulators for increased outlet pressure stability • 7/8" hex for easy torque 	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
2800N SERIES 	<ul style="list-style-type: none"> • Neoprene (<i>fabric reinforced</i>) diaphragm • PCTFE seat • Stable delivery pressure • Outlet pressures up to 150 PSIG / 10.34 bar 	3000 psig / 206.84 bar	Cv: 1.0 Cv: 2.0	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum 303 Stainless Steel
2800S SERIES 	<ul style="list-style-type: none"> • 316 Stainless Steel or Neoprene (<i>fabric reinforced</i>) diaphragm • PCTFE or Vespel® seat • Outlet pressures up to 150 PSIG / 10.34 bar 	3000 psig / 206.84 bar	Cv: 1.0	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
2800P SERIES 	<ul style="list-style-type: none"> • Piston sensed for increased cycle life • PCTFE or PEEK® seat • Outlet pressures up to 500 PSIG / 34.47 bar 	3000 psig / 206.84 bar	Cv: 1.0 Cv: 2.0	SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
2800PDL SERIES 	<ul style="list-style-type: none"> • Piston sensed for increased cycle life • Dome load: 1:1, (1000 psig / 68.95 max load) • PCTFE seat • Non-venting 	3000 psig / 206.84 bar	Cv: 2.0	SAE 360 Brass, Bright Dip 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
2860PDL SERIES 	<ul style="list-style-type: none"> • Captured venting • Dome load: 1550 PSIG (106.9 bar) max • High flow • Piston sensed • PCTFE seat 	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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SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
5000 SERIES 	<ul style="list-style-type: none"> • Piston sensed • Vespel® seat • Outlet pressures up to 2500 psig / 6.89 bar 	4500 psig / 172.37 bar	Cv: 1.0 Cv: 2.0	303 Stainless Steel
5033DL SERIES 	<ul style="list-style-type: none"> • Dome loaded • Piston sensed • 1:1 dome load • Optional external sensing port for improved accuracy 	6000 psig / 413.7 bar	Cv: 3.3	316 Stainless Steel
5050 SERIES 	<ul style="list-style-type: none"> • Preset outlet pressures • Diaphragm sensed • Buna-n or Viton® seat • Max preset outlet pressure 100 psig / 6.89 bar 	1000 psig / 68.95 bar	Cv: 5.0	303 Stainless Steel 316 Stainless Steel Aluminum, Clear Anodize Monel 400®
5050DL SERIES 	<ul style="list-style-type: none"> • Dome loaded • Diaphragm sensed • Buna-n seat • 1:1 dome load • Max dome load 100 psig / 6.89 bar 	1000 psig / 68.95 bar	Cv: 5.0	303 Stainless Steel 316 Stainless Steel Aluminum, Clear Anodize
5050DLB SERIES 	<ul style="list-style-type: none"> • Dome loaded / bias spring • Diaphragm sensed • Buna-n seat • dome load + bias spring pressure = outlet pressure • Max dome load 100 psig / 6.89 bar 	1000 psig / 68.95 bar	Cv: 5.0	303 Stainless Steel 316 Stainless Steel Aluminum, Clear Anodize





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SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
5060DL SERIES 	<ul style="list-style-type: none"> • Dome loaded • Piston sensed • 1:1 dome load • Optional external sensing port for improved accuracy 	6000 psig / 413.7 bar	Cv: 6.0	316 Stainless Steel
3016 SERIES 	<ul style="list-style-type: none"> • Designed for gas media • High flow • Piston Sensed • Self venting • Optional captured venting • Air loaded & dome loaded designs available 	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®
3016AL SERIES 	<ul style="list-style-type: none"> • Designed for gas media • High flow • Piston Sensed • Self venting • Optional captured venting • Spring loaded designs available 	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
6016 SERIES 	<ul style="list-style-type: none"> • Hydraulic • High flow • Piston sensed • Captured venting (standard) • Vespel® main valve seat • Max outlet pressure 10000 psig / 689.5 bar 	10000 psig / 689.5 bar	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
2500 SERIES 	<ul style="list-style-type: none"> • Neoprene or 316 stainless steel diaphragm • PTFE seat • Single stage • Outlet pressures up to 500 PSIG / 34.47 bar • 15 micron valve cartridge filter • Optional body diameters: 1.5", 1.75", & 2.0" 	3500 psig / 241.3 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel Monel®
2500A SERIES 	<ul style="list-style-type: none"> • Absolute pressure regulator • Control pressures from 50 mm Hg absolute (28" Hg) to 350 psig /24.1 bar • 316 Stainless Steel diaphragm • PFA Teflon® seat • Captured bonnet vent 	3000 psig / 206.84 bar	Cv: 0.08	SAE 360 Brass, Nickel Plated
2500DL SERIES 	<ul style="list-style-type: none"> • Dome loaded • Neoprene diaphragm (0.785:1 load ratio) or 316 stainless steel diaphragm (1:1 load ratio) • PCTFE seat • Outlet pressures up to 500 PSIG / 34.47 bar 	3000 psig / 206.84 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass, Nickel Plated SAE 360 Brass, Bright Dip 316 Stainless Steel
2500DLB SERIES 	<ul style="list-style-type: none"> • Dome loaded /bias spring • 316 stainless steel diaphragm • PCTFE seat • Outlet pressures up to 500 PSIG / 34.47 bar • Preset spring bias 	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
2510 SERIES 	<ul style="list-style-type: none"> • Reduced decaying inlet characteristic in a single stage design • Neoprene or 316 stainless steel diaphragm • PCTFE, or PTFE seat • Outlet pressures up to 500 PSIG / 34.47 bar 	3500 psig / 241.3 bar	Cv: 0.20	SAE 360 Brass, Nickel Plated SAE 360 Brass, Bright Dip 303 Stainless Steel 316 Stainless Steel
2550 SERIES 	<ul style="list-style-type: none"> • High sensitivity • 316 stainless steel or neoprene diaphragm • PTFE seat • Outlet pressures up to 250 PSIG / 17.24 bar 	3000 psig / 206.84 bar	Cv: 0.08 <i>(standard)</i> Cv: 0.2	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
4050 SERIES 	<ul style="list-style-type: none"> • High sensitivity, two stage • Adjustable to within 0.2 inches H₂O / 0.007 psig of target pressure on the 0-2 psig control pressure configuration 	3000 psig / 206.84 bar	15 SLPM	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated
2600 SERIES 	<ul style="list-style-type: none"> • Piston sensed • PCTFE seat • Outlet pressures up to 2500 PSIG / 172.37 bar • Optional panel mounting nut • Non-venting 	3500 psig / 241.32 bar	Cv: 0.08 Cv: 0.20 Cv: 0.30	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel 303 Stainless Steel
2610 SERIES 	<ul style="list-style-type: none"> • Reduced decaying inlet characteristic • Piston sensed • PCTFE seat • Outlet pressures up to 2500 PSIG / 172.37 bar 	3750 psig / 258.55 bar	Cv: 0.20	6061-T6 Aluminum, Clear Anodized 316 Stainless Steel 303 Stainless Steel

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CYLINDER AND LINE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
2660 SERIES 	<ul style="list-style-type: none"> • Self venting • Piston sensed • PCTFE main valve seat • Outlet pressures up to 1000 PSIG / 68.95 bar • Optional panel mounting nut 	3500 psig / 241.32 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass, Nickel Plated 303 Stainless Steel
4500 SERIES 	<ul style="list-style-type: none"> • Two stage design for stable delivery pressures • 15 micron valve cartridge filter • Interstage relief valve • Neoprene or 316 stainless steel diaphragm • Optional piston sensed first stage • PTFE seat • Outlet pressures up to 250 PSIG / 17.24 bar 	3000 psig / 206.84 bar	Cv: 0.08 Cv: 0.20	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel Monel®
6250 SERIES 	<ul style="list-style-type: none"> • 316 Stainless Steel diaphragm (<i>standard</i>) • PEEK®, or Vespel® seat • Outlet pressures up to 500 PSIG / 34.47 bar • Optional panel mounting nuts or bottom mount 	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
6250DLB SERIES 	<ul style="list-style-type: none"> • 316 Stainless Steel diaphragm • PEEK® seat • 1:1 Dome load: up to 500 psig / 34.47 bar • Preset spring bias: up to 100 psig / 6.89 bar • Elastomer Free 	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
2300N SERIES 	<ul style="list-style-type: none"> • Single stage • Neoprene or Viton® diaphragm • Neoprene seat • Outlet pressures up to 60 psig / 4.14 bar 	500 psig / 34.5 bar <i>(dependent upon configuration)</i>	Cv: 0.04	SAE 360 Brass, Bright Dip 6061-T6 Aluminum, Clear Anodized
2300S SERIES 	<ul style="list-style-type: none"> • Single stage • Elastomer free • Elgiloy® diaphragm • PTFE seat • Outlet pressures up to 150 psig /10.34 bar 	3000 psig / 206.84 bar	Cv: 0.05	SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Nickel Plated 316 Stainless Steel 303 Stainless Steel
2300C SERIES 	<ul style="list-style-type: none"> • Designed for use w/ disposable gas cartridges • Robust stainless steel piercing tip • Integrated relief valve • Adjusting knob w/ locking nut 	3500 psig / 241.3 bar	Cv: 0.04	SAE 360 Brass, Bright Dip 6061-T6 Aluminum, Clear Anodized
2310N SERIES 	<ul style="list-style-type: none"> • Single stage • Neoprene diaphragm • PFA seat • Reduced decaying inlet characteristic • Adjusting knob with locking-nut 	3000 psig / 206.8 bar	Cv: 0.025	6061-T6 Aluminum, Clear Anodized
2310S SERIES 	<ul style="list-style-type: none"> • Single stage • Elgiloy® diaphragm • PTFE seat • Reduced decaying inlet characteristic • Reduced contamination & outgassing w/Elgiloy® diaphragm, stainless body, & stainless wetted parts 	3000 psig / 206.8 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
2310C SERIES 	<ul style="list-style-type: none"> • Single stage • Viton® or neoprene diaphragm • PFA seat • Outlet pressures up to 60 psig / 4.14 bar • Stainless steel piercing tip • Reduced decaying inlet characteristic • Integrated relief valve • Adjusting knob with locking-nut 	3000 psig / 206.84 bar	Cv: 0.025	SAE 360 Brass, Bright Dip 6061-T6 Aluminum, Clear Anodized
2700 SERIES 	<ul style="list-style-type: none"> • Piston sensed • PTFE seat • Outlet pressures up to 60 psig / 4.14 bar • Factory preset flow settings from 0.25 liters/min to 9.0 liters/min • Wide variety of shut off valve options 	3000 psig / 206.84 bar	preset: 0.25 lpm - 9.0 lpm	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel
2701 SERIES 	<ul style="list-style-type: none"> • Piston sensed • PTFE seat • Standard preset control pressure: 40-80 psig (2.76 - 5.52 bar) • Factory preset flow from 0.1 to 4.0 liters/min • Wide variety of shut off valve options 	3000 psig / 206.84 bar	preset: 0.1 slpm - 4.0 slpm	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 316 Stainless Steel 303 Stainless Steel



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TRANSPORTABLE. PRESSURE REDUCING REGULATORS.

SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY	BODY MATERIAL
2780 SERIES 	<ul style="list-style-type: none"> • Piston sensed • Compact and light-weight • PTFE seat • Outlet pressures up to 60 psig / 4.14 bar • Factory preset flow settings from 0.25 liters/min to 7.0 liters/min 	1500 psig / 103.42 bar	preset: 0.25 lpm - 7.0 lpm	SAE 360 Brass, Bright Dip SAE 360 Brass, Nickel Plated 6061-T6 Aluminum, Clear Anodized 303 Stainless Steel
2900 SERIES 	<ul style="list-style-type: none"> • Adjustable Click stop, 12 position, variable flow settings from 0 to 8.0 lpm • PTFE seat • Standard preset control pressure 15 psig / 1.03 bar • Integral relief valve • Optional two-stage design 	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
4300N SERIES 	<ul style="list-style-type: none"> • Two stage regulator • 1st stage piston, 2nd stage neoprene or viton® diaphragm • PTFE & neoprene seats • Outlet pressures up to 100 PSIG / 6.89 bar • Precise stable delivery pressure even as the supply pressure decreases • Low internal volume 	3000 psig / 206.84 bar	Cv: 0.04	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
4300S SERIES 	<ul style="list-style-type: none"> • Two stage regulator • 1st stage piston, 2nd stage Elgiloy® diaphragm • PTFE seats • Outlet pressures up to 100 PSIG / 6.89 bar • Precise stable delivery pressure even as the supply pressure decreases • Low internal volume 	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®
4700 SERIES 	<ul style="list-style-type: none"> • Two stage design for stable delivery pressures • 40 micron integral inlet filter • Preset, fixed flow • Piston sensed • PTFE seat 	3000 psig / 206.84 bar	preset: 0.25 lpm - 9.0 lpm	SAE 360 Brass, Bright Dip 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
3100 SERIES 	<ul style="list-style-type: none"> Designed for gas media Piston sensed Vespel®, PEEK®, or PCTFE seat Optional panel mounting bracket 	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
3100AL SERIES 	<ul style="list-style-type: none"> Air loaded, Piston sensed Vespel® or PEEK® seat Optional panel mounting bracket Compatible with electro-pneumatic controllers 	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
3100DL SERIES 	<ul style="list-style-type: none"> Designed for gas media Dome loaded, Piston sensed Vespel® main valve seat Compatible with electro-pneumatic controllers 	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel SAE 360 Brass
6100 SERIES 	<ul style="list-style-type: none"> Hydraulic Piston sensed Choice of seat: Vespel®, 316 Stainless Steel, PEEK®, or 17-4 Stainless Steel hardened Optional panel mounting bracket 	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
6100AL SERIES 	<ul style="list-style-type: none"> Hydraulic, Piston Sensed Choice of seat: Vespel®, PEEK®, 316 SS or 17-4SS hardened Optional panel mounting bracket 	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
6100DL SERIES 	<ul style="list-style-type: none"> Hydraulic Piston Sensed Choice of seat: Vespel®, or 17-4 Stainless Steel Optional panel mounting bracket Compatible w/ electro pneumatic controllers 	6000 psig / 413.7 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2 Cv 0.4 optional	316 Stainless Steel SAE 360 Brass
3123 SERIES 	<ul style="list-style-type: none"> Designed for gas media Piston sensed Choice of seat: Vespel®, or PEEK® Optional panel mounting bracket 	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel
3123AL SERIES 	<ul style="list-style-type: none"> Designed for gas media Piston sensed Choice of seat: Vespel®, PEEK®, 316 Stainless Steel, or 17-4 Stainless Steel Optional panel mounting bracket 	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel
6123 SERIES 	<ul style="list-style-type: none"> Hydraulic Piston sensed Choice of seat: Vespel®, PEEK®, 316 Stainless Steel, or 17-4 Stainless Steel Optional panel mounting bracket 	15000 psig / 1034.21 bar	Cv: 0.06 Cv: 0.14 Cv: 0.2	316 Stainless Steel

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 PEEK® is a registered trademark of Victrex PLC

MISC.




BACK PRESSURE REGULATORS.

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

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MISC.



BACK PRESSURE REGULATORS.

SERIES	FEATURES	FLOW CAPACITY	BODY MATERIAL
5150 SERIES 	<ul style="list-style-type: none"> • High Flow / Low Pressure • Piston sensed • Compact, non-rising stem • Control pressures up to 200 psig / 13.79 bar 	Cv: 5.0	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
5150AL SERIES 	<ul style="list-style-type: none"> • High Flow / Low Pressure • Air Loaded • PTFE seat • Piston sensed • 100 psig / 6.89 bar max load • Control pressures up to 600 psig / 41.37 bar 	Cv: 5.0	6061-T6 Aluminum, Clear Anodized 303 Stainless Steel 316 Stainless Steel
P91W SERIES 	<ul style="list-style-type: none"> • Dome loaded mity mite replacement • Gylon® 3522 diaphragm • Control pressures up to 3000 psig / 206.8 bar • Optional precharge isolation valve 	Cv: 0.38 Cv: 0.17	316 Stainless Steel 2024-T4 Aluminum

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Gylon® is a registered trademark of Garlock, Inc.

SPECIALTY. PRESSURE REGULATORS.

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





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VALVES. AND ACCESSORIES.

SERIES	FEATURES	MAX INLET PRESSURE	SEAT MATERIAL	BODY MATERIAL
AO VALVES 	<ul style="list-style-type: none"> • High operating pressures • Low actuation pressure: 70 psig / 4.8 bar • Cv: 0.8 max • Stainless steel body • Compatible with electro-pneumatic controllers • Optional solenoid adapter 	10000 psig / 689.5 bar	VespeI®	316 Stainless Steel 303 Stainless Steel
STAINLESS STEEL SHUT OFF VALVES 	<ul style="list-style-type: none"> • 17-4 stainless steel valve stem • Cv: 0.25 • Optional integrated burst disks and relief valves • Optional dip tube 	3000 psig / 206.82 bar	PCTFE or PEEK®	316 Stainless Steel
MINIATURE BRASS SHUT OFF VALVES 	<ul style="list-style-type: none"> • 303 stainless steel valve stem • Cv: 0.25 • Metal to metal seal 	3000 psig / 206.82 bar	SAE 360 Brass	SAE 360 Brass
EXCESS FLOW PREVENTION VALVES 	<ul style="list-style-type: none"> • Automatically shut off the flow of gas when flow exceeds a preset level. Factory adjustable flow trip point • Convenient integrated bypass valve/reset slider • Complete shut off when tripped (no bleed) • High Sensitivity model 	3000 psig / 206.82 bar <i>(dependent upon configuration)</i>		SAE 360 Brass, Bright Dip 303 Stainless Steel 6061-T6 Aluminum, Clear Anodized



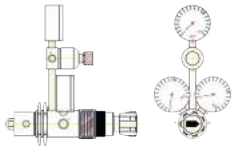
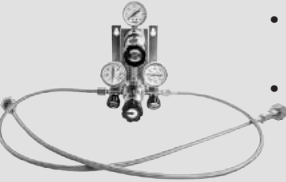
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VALVES. AND ACCESSORIES.

SERIES	FEATURES	MAX INLET PRESSURE	SEAT MATERIAL	BODY MATERIAL
FLOW SIGHT TUBE VALVE 	<ul style="list-style-type: none"> Acrylic flow indicator Needle style shut off valve 	600 psig / 41.37 bar		SAE 360 Brass
SAMPLING CYLINDERS 	<ul style="list-style-type: none"> Seamless 316 stainless steel cylinders 316 stainless steel inlet and outlet valves 50 cc, 150cc, 300cc, 500cc cylinders Optional pressure relief devices 	1800 psig / 124.11 bar <i>(cylinders)</i> 3000 psig / 206.82 bar <i>(valves)</i>	PCTFE valve seats	316 Stainless Steel <i>(cylinders & valves)</i>
70A SERIES 	<ul style="list-style-type: none"> Angle configuration Low torque at high pressures Metal-to-metal stop that prevents stem over-travel 	10000 psig / 689.5 bar	PTFE PCTFE PEEK® Vespel-SP-1®	316 Stainless Steel SAE 360 Brass
70AB SERIES 	<ul style="list-style-type: none"> Low torque at high pressures Metal-to-metal stop that prevents stem over-travel Can be used to bleed downstream pressure to 0 	10000 psig / 689.5 bar	PTFE PCTFE PEEK® Vespel-SP-1®	316 Stainless Steel SAE 360 Brass
RELIEF VALVE 	<ul style="list-style-type: none"> Reset relief pressures between 500-1800 psig Captured outlet 		PCTFE	316 Stainless Steel 303 Stainless Steel 6061-T6 Aluminum, Nickel Plated SAE 360 Brass



MANIFOLDS AND CHANGOVERS

GAS DELIVERY SYSTEMS

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

MANIFOLDS AND CHANGOVERS

GAS DELIVERY SYSTEMS

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

PREMIER INDUSTRIES

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