

HYDROGEN

PRESSURE REGULATORS, VALVES,
AND GAS DELIVERY SYSTEMS

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

PREMIER REGULATORS, VALVES, & GAS DELIVERY SYSTEMS FOR USE WITH HYDROGEN

INNOVATIVE DESIGNS FORMULATED FOR HYDROGEN.

Our H2 Series regulators and valves are optimized for use in hydrogen applications. All our regulators and valves are manufactured and tested to meet rigid industry specifications while keeping in mind the distinct needs and expectations of the customer.

It is our pleasure to provide and design solutions to meet the unique needs of hydrogen applications.

WE'RE EXPERIENCED AND RESPONSIVE.

Our customers know, 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.

ROBUST & VERSATILE DESIGNS.

Premier H2 Series regulators are designed with versatility in mind. Our Hydrogen regulators are offered in a variety of materials to resist Hydrogen embrittlement. Our H2 Hydrogen Series regulators are available with a variety of flow capacities, inlet/outlet pressure ranges, port sizes, and port types. Assemblies can be completed with optional relief valves and shut-off valves.

Premier Industries Hydrogen regulators are designed to provide maximum flexibility and compatibility to integrate seamlessly into your Hydrogen application.

FINDING A PRODUCT TO SUIT YOUR APPLICATION.

Not all systems are the same. "Off the shelf" products may not be acceptable for many applications.

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.

Give us a call at 763.786.4020 or e-mail us at sales@premierind.us.

We are excited to work with you.



HYDROGEN OPTIONS AND SERVICES

Products for pressure ratings up to to 15000 PSIG (1034.21 BAR).

Optional laser etched parts.

Integrated sintered inlet filters to extend service life for pressure reducing regulators with $C_v \leq 0.2$

A wide selection of regulators with 316 stainless steel and SAE 360 brass bodies

A variety of mounting options to integrate seamlessly into your desired application: surface mounting, panel nuts, panel mounting brackets etc.

Optional laminar flow clean bench assembly, testing, and packaging.

Dome and air-loaded regulators for use with electro-pneumatic controllers for precision and automation.

Optional material certifications.

Captured venting and non-venting designs

PRODUCTS FOR HYDROGEN APPLICATIONS

CONTACT US IF YOU NEED HELP SELECTING THE RIGHT HYDROGEN REGULATOR FOR YOUR APPLICATION OR IF YOU WOULD LIKE A CUSTOM DESIGN/MODIFICATION. WE WILL BE HAPPY TO HELP!

PRESSURE REDUCING REGULATORS CONT.

PRESSURE REDUCING REGULATORS

H2 3000 SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Pressure reducing regulator Piston Sensed Captured venting standard P/N: H30 -10206 	10000 psig / 689.5 bar (Stainless body option)	Cv: 0.04 Cv: 0.06 Cv: 0.12 Cv: 0.2	316 Stainless Steel SAE 360 Brass
		6000 psig / 413.7 bar (Brass body option)		
H2 3000AL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Pressure reducing regulator Piston sensed Compatible with electro-pneumatic controllers P/N: H30 -10219 	10000 psig / 689.5 bar (Stainless body option)	Cv: 0.06 Cv: 0.12 Cv: 0.20	316 Stainless Steel SAE 360 Brass
		6000 psig / 413.7 bar (Brass body option)		
H2 3016SL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Pressure reducing regulator Piston sensed Compatible with electro-pneumatic controllers 110 psig / 7.5 bar max air load P/N: H30 -10237SL 	15000 psig / 1034.21 bar	Cv: 0.50 Cv: 1.0	316 Stainless Steel

H2 3023 SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Pressure reducing regulator Piston sensed Captured venting standard P/N: H30 -10213 	15000 psig / 689.5 bar	Cv: 0.06 Cv: 0.12 Cv: 0.20	316 Stainless Steel
H2 3023AL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Pressure reducing regulator Piston sensed Compatible with electro-pneumatic controllers P/N: H30 -10229 	15000 psig / 1034.21 bar	Cv: 0.04 Cv: 0.06 Cv: 0.12	316 Stainless Steel

BACK PRESSURE REGULATORS

H2 3100 SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Back pressure regulator Piston sensed P/N: H30 -10066 	10000 psig / 689.5 bar	Cv: 0.03 Cv: 0.06 Cv: 0.14 Cv: 0.20	316 Stainless Steel SAE 360 Brass

H2 3100AL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Back pressure regulator Piston sensed Compatible with electro pneumatic controllers P/N: H30 - 10205 	10000 psig / 689.5 bar 6000 psig / 413.7 bar (Brass body option)	Cv: 0.03 Cv: 0.06 Cv: 0.14 Cv: 0.20	316 Stainless Steel SAE 360 Brass

H2 3123 SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Back pressure regulator Low torque ball bearing loader Multiple mounting options (bracket, panel nuts, surface mount) P/N: H30 - 10223 	15000 psig / 1034.21 bar	Cv: 0.03 Cv: 0.06 Cv: 0.14 Cv: 0.20	316 Stainless Steel

VALVES

AO SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Air operated Normally open/closed valve High operating pressures Robust design for long cycle life P/N: 70-00347-X-2X-XX-(X) 	10000 psig / 689.5 bar	Cv: 0.80	316 Stainless Steel

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