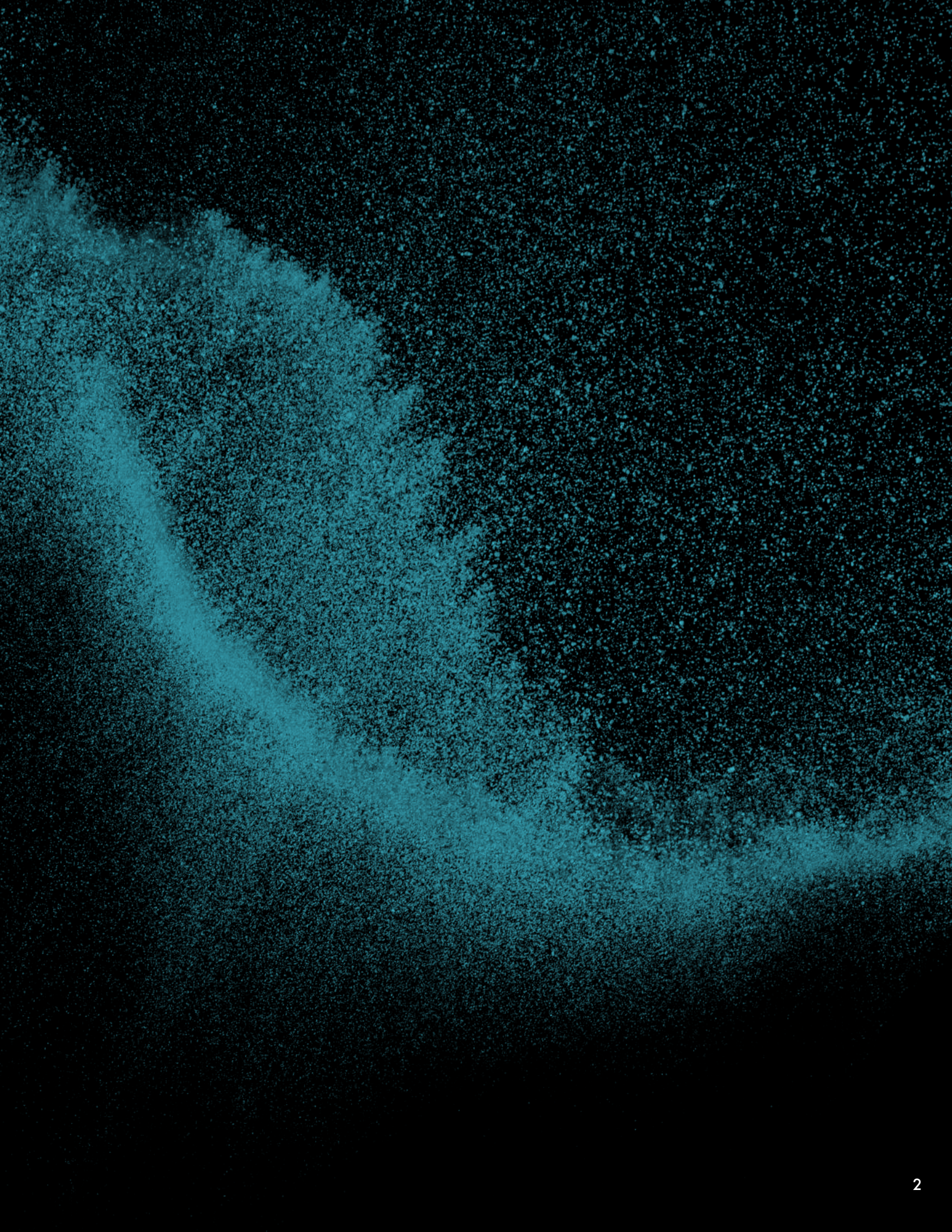


HYDROGEN

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 20000 PSIG (1379 BAR).

Optional laser etched parts.

Integrated sintered inlet filters to
extend service life for pressure
reducing regulators with $C_v \leq 0.2$
Optional external filters available
for $C_v 1.0$ and $C_v 2.0$ designs

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 ARE HAPPY TO HELP!


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	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	Cv: 0.06 Cv: 0.12 Cv: 0.20	316 Stainless Steel SAE 360 Brass
		6000 psig / 413.7 bar (Brass body option)		
H2 3016 SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> • Pressure reducing regulator • Piston sensed • High flow, Cv 1.0 or 2.0 • Captured venting standard • P/N: H30 -10228 • P/N: H30 -10225 	4000 psig / 275.8 bar	Cv: 1.0 Cv: 2.0	316 Stainless Steel SAE 360 Brass
		6000 psig / 413.7 bar		
		10000 psig / 689.5 bar		
		(Dependent on Cv and materials)		

PRESSURE REDUCING REGULATORS CONT.



H2 3016AL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> • Pressure reducing regulator • Piston sensed • High flow • Compatible with electro-pneumatic controllers • P/N: H30 -10227 	6000 psig / 413.7 bar	Cv: 1.0 Cv: 2.0	316 Stainless Steel

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: 0.04 Cv: 0.06 Cv: 0.12 Cv: 0.20 Cv: 0.30	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 Cv: 0.20 Cv: 0.30	316 Stainless Steel


PRESSURE REDUCING REGULATORS CONT.


H2 3025SL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> • Pressure reducing regulator • Stacked loader • Compatible with electro-pneumatic controllers • P/N: H30 -10215SL 	20000 psig / 1379 bar	Cv: 0.04 Cv: 0.06	316 Stainless Steel
H2 50120DL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> • Pressure reducing regulator • Piston sensed • High flow, Cv 12.0 • 1:1 dome load • Optional external sensing • Compatible with electro-pneumatic controllers • P/N: H30 -10638 	6000 psig / 413.7 bar	Cv: 12.0	316 Stainless Steel
		Dependent on configuration		

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	316 Stainless Steel SAE 360 Brass
		6000 psig / 413.7 bar	Cv: 0.20	
		Dependent on configuration		


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	Cv: 0.03 Cv: 0.06 Cv: 0.14	316 Stainless Steel SAE 360 Brass
		6000 psig / 413.7 bar	Cv: 0.20	
		Dependent on configuration		

H2 3116 SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Back pressure regulator Piston sensed High flow Cv 1.0 or 2.0 P/N: H30 -10222G (6K) P/N: H30-11120 (10K) 	10000 psig / 689.5 bar	Cv: 1.0 Cv: 2.0	316 Stainless Steel
		6000 psig / 413.7 bar		
		Dependent on configuration		


H2 3116SL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> Back pressure regulator Piston sensed High Flow Cv 1.0 or 2.0 Compatible with electro pneumatic controllers P/N: H30-10222SL 	6000 psig / 413.7 bar	Cv: 1.0 Cv: 2.0	316 Stainless Steel
		Dependent on configuration		


BACK PRESSURE REGULATORS

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

H2 3123AL SERIES	FEATURES	MAX INLET PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> • Back pressure regulator • Compatible with electro pneumatic controllers • P/N: H30-10223AL 	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) Cv 0.80 P/N: 70-00379-X-2X-XX-(X) Cv 2.0 P/N: 70-00463-1XX-XXX-(X) Cv 5.0 P/N: H70-00496 Cv 12.0 	10000 psig / 689.5 bar 4500 psig / 310.3 bar (Cv 5.0 & 12.0)	Cv: 0.80 Cv: 2.0 Cv: 5.0 Cv: 12.0	316 Stainless Steel

RELIEF VALVE	FEATURES	RELIEF PRESSURE RANGE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
	<ul style="list-style-type: none"> High pressure relief valve Vespel SCP-5000 seat P/N: 70-00416 	10000- 15000 psig / 689.5-1034.2 bar	Cv: 0.07	316 Stainless Steel

ACCESSORIES

INLINE PARTICULATE FILTER



FEATURES	MAX WORKING PRESSURE	FLOW CAPACITY OPTIONS	BODY MATERIAL OPTIONS
<ul style="list-style-type: none"> • Reduces wear on the seat and internal components • Extends the lifespan of the regulator • Reduces downtime and maintenance costs • 40 micron filter • P/N: 30-10921 	6000 psig / 413.7 bar	High Flow	316 Stainless Steel SAE 360 Brass

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