

H2 3025SL SERIES

High Pressure, Stacked Loader, Hydrogen
Pressure Reducing Regulators



Premier H2 3025SL Series regulators are piston sensed, pressure reducing regulators rated for inlet and outlet pressures up to 20000 PSIG (*1378.95 bar*) and Cv 0.04 or 0.06. Premier H2 3025SL Series regulators feature a four-tier air loader for compatibility with electro-pneumatic controllers, enabling piloted pressure control from an inert gas at low pressures (110 psig / 7.5 bar max air load).

H2 3025SL Series regulators H2 3025SL Series regulators are designed for use in Hydrogen applications; they are available with a wide range of outlet and inlet configurations. Captured venting is standard.

FEATURES

- Rated for pressures up to 20000 PSIG (*1378.95 bar*)
- Compatible with electro pneumatic controllers
- Flow capacity (Cv): 0.04 or 0.06
- Captured venting
- Very competitive pricing
- Machined bar stock body, bonnet and piston eliminates porosity found in castings

SOME APPLICATIONS WILL REQUIRE A CUSTOM SOLUTION.
CONTACT PREMIER INDUSTRIES TO REQUEST A MODIFICATION
OR A CUSTOM DESIGN.

SPECIFICATIONS

- **MAX INLET PRESSURE:**
 - REGULATOR: 20000 PSIG (1378.95 bar)
 - AIR ACTUATOR: 110 PSIG (7.5 bar)
- **OUTLET PRESSURE RANGES:**
 - 250-3000 PSIG (17.2-206.8 bar)
 - 600-7500 PSIG (41.4-517.1 bar)
 - 800-10000 PSIG (55.2-689.5 bar)
 - 1200-15000 PSIG (82.7-1034.2 bar)
 - 2000-20000 PSIG (137.9-1379 bar)
- **FLOW (Cv):** 0.04, 0.06
- **OPERATING TEMPERATURE:**
 - -15°F/-26°C to 212°F/100°C (BUNA-N)
 - -4°F/-20°C to 212°F/100°C (VITON®)
 - -65°F/-54°C to 212°F/100°C (EPDM)

MATERIALS OF CONSTRUCTION

- **BODY:**
 - 316 Stainless Steel
- **WETTED, OTHER:**
 - 316 Stainless Steel, and Toughmet® 3 TS160U
- **AIR LOADER:**
 - 6061-T6 and 7075-T6 Aluminum
- **O-RING OPTIONS:**
 - Buna-N
 - Aflas®
 - Viton-A®
 - EPDM
 - Kalrez® *Contact Premier for pricing*
- **BACK-UP RINGS:** PCTFE and PEEK®
- **MAIN VALVE AND VENT VALVE SEATS**
 - Vespel SCP-5000®

PORTING

- **INLET/OUTLET PORT OPTIONS:**
 - 1/4", 3/8" Medium Pressure
 - 1/4", 3/8" High Pressure
- **VENT PORT:** 1/4" inlet/outlet port type
- **GAUGE PORTS:** 1/4" inlet/outlet port type
- **LOAD PORT:**
 - 1/4" FNPT (standard)
 - 1/4" SAE AS5202
 - 1/4" SAE J1926
 - 1/8" NPT

OPTIONS

- Surface mount
- Private label

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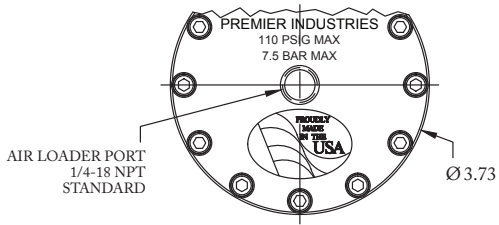
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Toughmet® is a registered trademark of Materion Brush Inc.

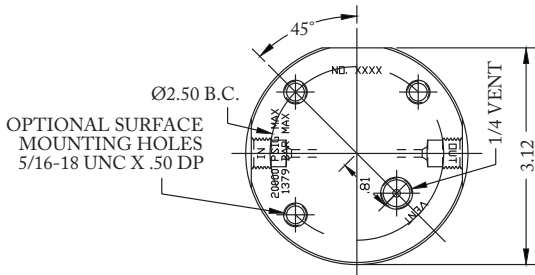
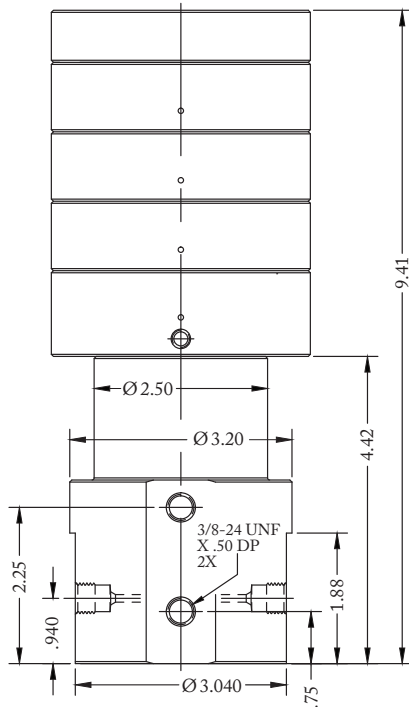
Aflas® is a registered trademark of the Asahi Glass company.

Contact factory for material certifications. Fees may apply.

PART NUMBER: H30-10215SL





4 TIER AIRLOADER TO SENSOR RATIOS			
OUTLET	AIRLOADER X 4	AREA	RATIO- CALCULATED
20000 PSIG	SENSOR Ø.362	23.27 IN ²	226/1
15000 PSIG	SENSOR Ø.462	0.1029 IN ²	139/1
10000 PSIG	SENSOR Ø.562	0.1691 IN ²	94/1
7500 PSIG	SENSOR Ø.652	0.3359 IN ²	70/1
3000 PSIG	SENSOR Ø1.000	0.7854 IN ²	30/1



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PART #	-	1	2	3	4	5	-	6 7	-	MODS
H30-10215SL	-						-		-	

1	OUTLET PRESSURE
3	250-3000 PSIG (17.2-206.8 bar)
6	600-7500 PSIG (41.4-517.1 bar)
7	800-10000 PSIG (55.2-689.5 bar)
8	1200-15000 PSIG (82.7-1034.2 bar)
9	2000-20000 PSIG (137.9-1379 bar)
2	Cv RATING
A	0.04 Cv
0	0.06 Cv
3	PORT CONFIGURATION
B	
S	

4	PORT SIZE
4	1/4"
6	3/8"
5	PORT TYPE (IN/OUT/VENT/GAUGE)
4	Medium Pressure
5	High Pressure
6 7	O-RING MATERIAL
00	BUNA-N
01	AFLAS®
02	VITON-A®
05	EPDM
11	KALREZ®

MODIFICATIONS	
<i>Separate multiple mods with a dash</i>	
BLANK	None
AS	1/4" SAE AS5202 LOADER PORT
E	1/8" NPT LOADER PORT
J	1/4" SAE J1926 LOADER PORT
SM	SURFACE MOUNT

20000 PSIG MAX INLET
*The end user is responsible to ensure
adequate fittings are used to connect
regulator to plumbing.*

*Viton® and Kalrez are registered
trademarks of E.I. duPont de Nemours and
Company*

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Asahi Glass company.*

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Fees may apply.*