

3125 SERIES

High Pressure, 20000 PSIG
Back Pressure Regulator



Premier 3125 Series high pressure, back pressure regulators are single stage, piston sensed regulators rated for inlet and outlet pressures up to 20000 PSIG (*1378.95 bar*), and Cv 0.03, 0.06, 0.14, or 0.20.

FEATURES

- Rated for pressures up to 20000 PSIG (*1378.95 bar*)
- Flow capacity (Cv): 0.03, 0.06, 0.14, or 0.20
- Fluted knob with ball-bearing loader
- 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:**
 - 20000 PSIG (1378.95 bar)
- **CONTROL PRESSURE RANGE:**
 - 500-20000 PSIG (34.47 - 1378.95 bar)
- **FLOW (Cv):** 0.03, 0.06, 0.14, 0.20
- **OPERATING TEMPERATURE:**
 - -15°F/-26°C to 165°F/74°C (BUNA-N)
 - -4°F/-20°C to 165°F/74°C (VITON-A®)
 - -65°F/-54°C to 165°F/74°C (EPDM)

***lower temperature compounds available upon request*

MATERIALS OF CONSTRUCTION

- **BODY:**
 - 316 Stainless Steel,
- **BONNET:**
 - 17-4 Stainless Steel
- **WETTED PARTS, OTHER:**
 - 316 Stainless Steel
 - 17-4 Stainless Steel
- **O-RINGS:**
 - BUNA-N
 - Aflas®
 - Viton-A®
 - EPDM
 - KALREZ®
- **BACK-UP RINGS:** PCTFE & PEEK®
- **VALVE SEAT:**
 - Vespel® SCP-5000

PORTING

- **INLET/OUTLET/VENT PORTING:**
 - 1/4" Medium pressure, High Pressure*
 - 3/8" Medium pressure, High Pressure
 - 9/16" Medium pressure, High Pressure

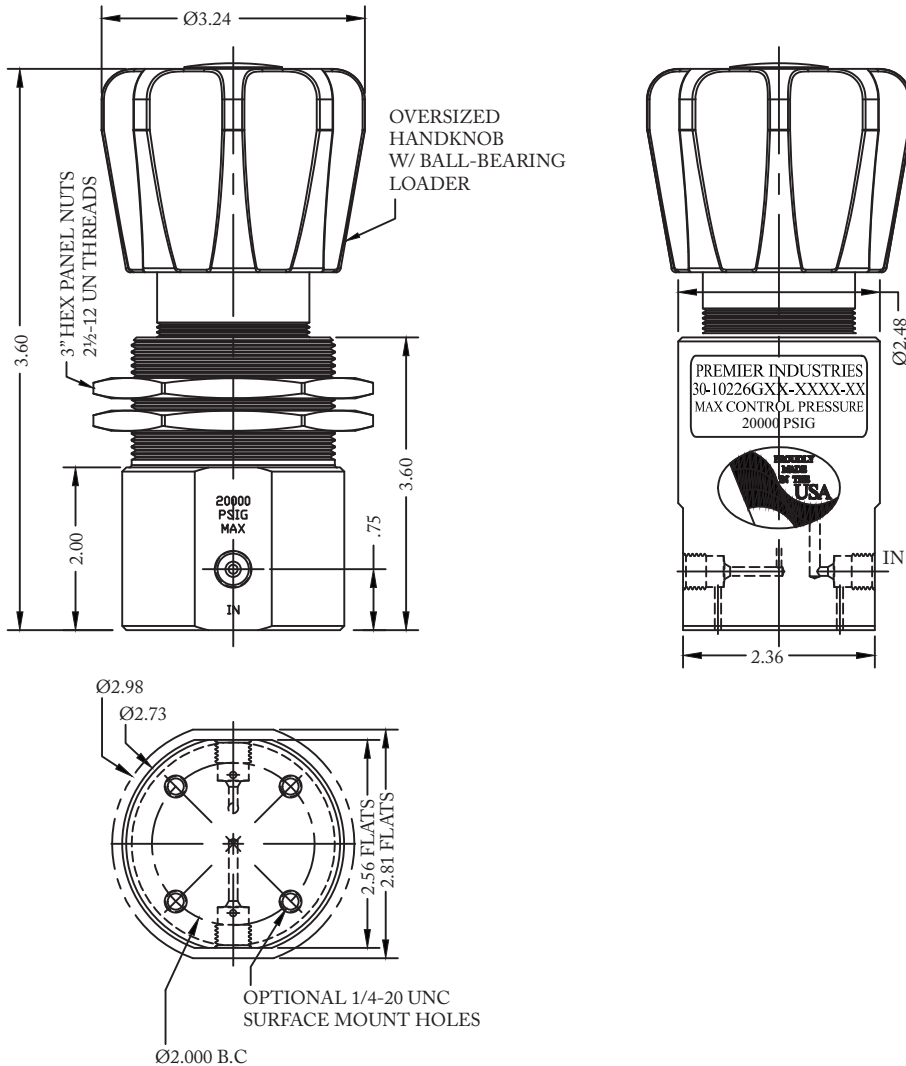
**Cv 0.20 not available with 1/4" high pressure ports*

OPTIONAL ITEMS

- Surface mount
- Panel mounting nuts (P/N: 30-10145-02)

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AFLAS® is a registered trademark of the Asahi Glass Co., Ltd.
PEEK® is a registered trademark of Victrex PLC*

PART NUMBER: 30-10226G



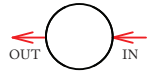
PANEL NUT BODY		
PORT TYPE	BODY Ø	FLATS
1/4" M.P. & H.P.	Ø2.73	2.56
3/8" M.P. & H.P.	Ø2.73	2.56
9/16" M.P.	Ø2.98	2.81

MOUNTING BRACKET BODY		
PORT TYPE	BODY Ø	FLATS
1/4" M.P. & H.P.	Ø2.48	2.36
3/8" M.P. & H.P.	Ø2.48	2.36
9/16" M.P.	Ø2.98	2.81

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PART #	1	2	-	3	4	5	6	-	7	8	-	MODS
30-10226G			-					-			-	

1 2	BODY STYLE
MB	Mounting bracket style body
PN	Panel nut style body <i>(panel nuts included)</i>
3	FLOW (Cv)
A	Cv: 0.03
0	Cv: 0.06
1	Cv: 0.14
2	Cv: 0.20
4	PORTING CONFIGURATION
S	

5	PORT SIZE
4	1/4"
6	3/8"
9	9/16"
6	PORT TYPE <i>(IN/OUT/VENT)</i>
4	Medium pressure
5	High pressure*
<i>*0.20 Cv not available with 1/4" high pressure ports</i>	

7 8	O-RING MATERIAL
00	BUNA-N
01	AFLAS®
02	VITON®
05	EPDM
11	KALREZ® <i>(Contact factory for pricing)</i>
MODIFICATIONS	
Blank	None
SM	Surface mount

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

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Contact factory for material certifications. Fees may apply.