

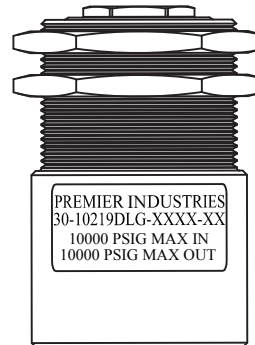
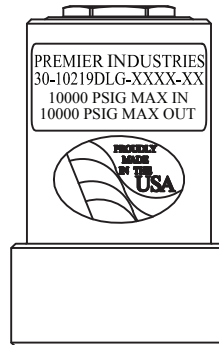


DOME LOADED HIGH PRESSURE PNEUMATIC *Pressure Reducing Regulators*



PREMIER INDUSTRIES

1590 99th Ln NE,
Minneapolis, MN 55449
763-786-4020



MADE IN THE USA

Minneapolis, MN

DESCRIPTION

Premier 3000DL Series dome loaded, high pressure, pneumatic, pressure reducing regulators: rugged, compact regulators for remotely-controlled high pressure applications. These piston sensed units are rated for inlet and outlet pressures up to 10000 PSIG (689.5 bar) and Cv 0.06, 0.12, 0.20, or 0.30.

Premier 3000DL Series regulators are used to regulate a broad range of non-corrosive and corrosive media (based on materials of construction). Captured venting allows fluids/gases to be safely piped away.

FEATURES

- Captured venting
- Dome loaded for remote pressure control
- Compatible with electro-pneumatic controllers
- 17-4 & 316 stainless steel construction for strength and corrosion resistance
- 10000 PSIG (689.5 bar) max inlet
- Cv 0.06, 0.12, 0.20, or 0.30
- Economical pricing
- Machined bar stock body, bonnet and piston reduce particle shedding and contamination



DOME LOADED HIGH PRESSURE PNEUMATIC *Pressure Reducing Regulators*



SPECIFICATIONS

- **MAX INLET PRESSURE:** 10000 PSIG (689.5 bar)
- **MAX OUTLET PRESSURE:** 10000 PSIG (689.5 bar)
- **MAX DOME LOAD:** 10000 PSIG (689.5 bar)
- **DOMES TO SENSOR RATIO:** 1:1
- **FLOW (Cv):** 0.06, 0.12, 0.20, 0.30
- **VENT VALVE (Cv):** 0.06
- **OPERATING TEMPERATURE:**
 - -15°F/-26°C to 165°F/74°C (BUNA-N)
 - -4°F/-20°C to 165°F/74°C (VITON®)
 - -65°F/-54°C to 165°F/74°C (EPDM)
 - 15°F/-9°C to 165°F/74°C (AFLAS®)
 - -65°F/-54°C to 165°F/74°C (NITRILE)

MATERIALS OF CONSTRUCTION

- **BODY & BONNET :**
 - 316 Stainless Steel,
- **WETTED PARTS, OTHER:**
 - 316 Stainless Steel,
 - 17-4 Stainless Steel
- **MAIN VALVE SEAT OPTIONS:**
 - 17-4 Stainless Steel
 - Vespel®
- **VENT VALVE SEAT OPTIONS:**
 - 316 Stainless Steel
 - Vespel®
- **MAIN VALVE / VENT VALVE STEM:** 17-4 Stainless Steel
- **O-RING MATERIAL:**
 - BUNA-N
 - AFLAS®
 - Viton®
 - EPDM
 - Kalrez® (*Contact factory for pricing*)
 - Nitrile, Lo-temp
- **BACK-UP RINGS:** PCTFE

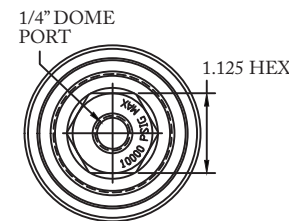
PORTING

- **INLET/ OUTLET PORTING OPTIONS:**
 - 1/4", 3/8", 1/2" FNPT
 - 1/4", 1/2", 3/8", SAE J1926
 - 1/4", 1/2", 3/8", SAE AS5202*
 - 1/4", 3/8", 9/16", Medium pressure
 - 1/4", 3/8", 9/16", High pressure
 - 1/4", 3/8", 1/2", NPTF
- **GAUGE PORTS:**
 - 1/4" FNPT
- **DOMES PORTS:**
 - 1/4" (*match inlet/outlet/vent type*)
- **VENT PORTS:**
 - 1/4" (*match inlet/outlet/vent type*)

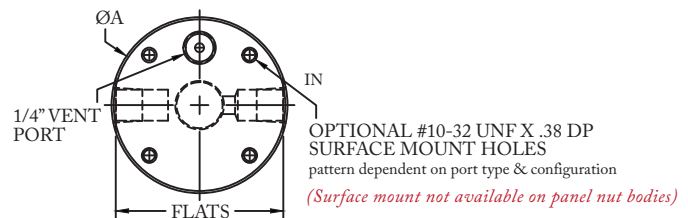
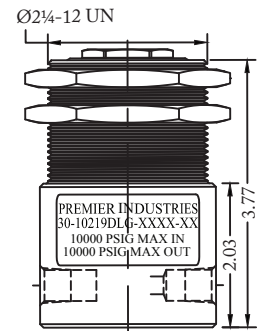
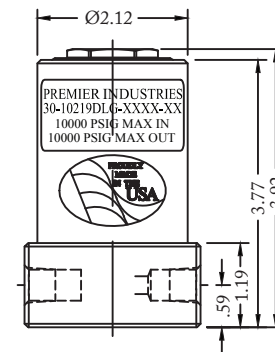
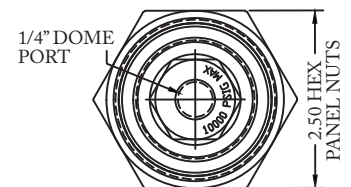
OPTIONS

- Private label
- Panel mounting bracket P/N: 30-10059 (*Ø2.15 panel hole*)
- Panel mounting nuts P/N: 30-10189 (*Ø2.28 panel hole*)

PANEL MOUNTING BRACKET STYLE



PANEL NUT STYLE



(Part number 30-10219DLG shown above)

PORT TYPE	ØA	FLATS
NPT, NPTF	Ø2.48	—
1/4" J1926, M.P., H.P.	Ø2.48	2.36
1/4" AS5202	Ø2.98	2.81
3/8" SAE, M.P., H.P.	Ø2.98	2.81
1/2" SAE	Ø3.23	2.98
9/16" M.P.	Ø3.23	2.98

**Bodies w/ 'L' porting configurations and 3/8" ports and larger require a larger ØA*

*SAE AS5202 supersedes MS33649
Vespel® Kalrez® Viton® are registered trademarks of E.I. du Pont de Nemours and Company
AFLAS® is a registered trademark of the Asahi Glass Co., Ltd.



**DOME LOADED
HIGH PRESSURE
PNEUMATIC**
Pressure Reducing Regulators



SERIES	-	1	2	3	4	-	5 6	-	MODS
30-10219DLG	-					-		-	

1	MAIN VALVE SEATS & Cv RATING
0	VespeI® Cv 0.06
1	VespeI® Cv 0.12
2	VespeI® Cv 0.20
3	VespeI® Cv 0.30
2	PORTING CONFIG. (1/4" FNPT)
A	
L	
C	
S	

3	PORT SIZE
4	1/4"
6	3/8"
8	1/2"*
9	9/16**
<i>*1/2" not available in medium & high pressure **9/16" only available in medium & high pressure</i>	
4	PORT TYPE (IN/OUT VENT/DOME)
1	FNPT
2	SAE J1926
3	SAE AS5202*
4	Medium Pressure
5	High Pressure
6	NPTF

5 6	O-RINGS
00	BUNA-N
01	AFLAS®
02	VITON®
05	EPDM
11	KALREZ® <i>(Contact factory for pricing)</i>
12	NITRILE, LO-TEMP
MODIFICATIONS <i>Separate multiple mods with a dash</i>	
Blank	None
N	NACE MR0175
PN	PANEL NUT STYLE BODY
PTU	PORT TYPE UNIFORM
SM	SURFACE MOUNT <i>(Not available on panel nut bodies)</i>

*SAE AS5202 supersedes MS33649

10000 PSIG MAX INLET

The end user is responsible to ensure adequate fittings are used to connect regulator to plumbing.

VespeI® Kalrez® & Viton® are registered trademarks of E.I. duPont de Nemours and Company
AFLAS® is a registered trademark of the Asahi Glass Co., Ltd

Contact factory for material certifications. Fees may apply.