

6000DL SERIES

Dome Loaded, High Pressure, Hydraulic
Pressure Reducing Regulators



Premier 6000DL Series dome loaded, high pressure, hydraulic, 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 6000DL 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

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

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®)

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
 - FFKM (*Contact factory for pricing*)
 - Nitrile, Lo-temp
- **BACK-UP RINGS:** PCTFE
- **STANDARD LUBRICANT:**
 - Krytox® GPL 206

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
- **GAUGE PORTS:**
 - 1/4" FNPT
- **DOMES PORTS:**
 - 1/4" (*match inlet/outlet/vent type*)
- **VENT PORTS:**
 - 1/4" (*match inlet/outlet/vent type*)

*SAE AS5202 supersedes MS33649

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)

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

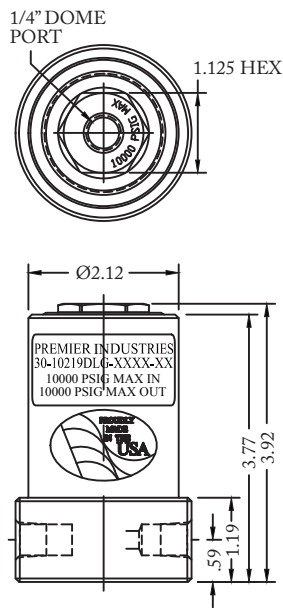
AFLAS® is a registered trademark of the Asahi Glass Co., Ltd.

Krytox® is a registered trademark of e Chemours Company FC, LLC.

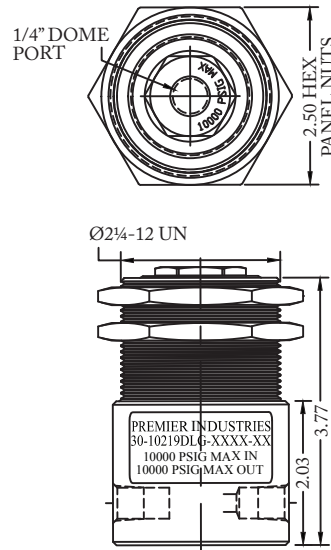
Contact factory for material certifications. Fees may apply.

PART NUMBER: 30-10219DL

PANEL MOUNTING BRACKET STYLE

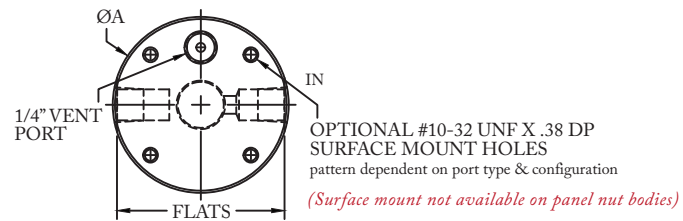


PANEL NUT STYLE



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*



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

1	MAIN VALVE SEATS & Cv RATING
0	Vespe ^l ® SP-1 Cv 0.06
1	Vespe ^l ® SP-1 Cv 0.12
2	Vespe ^l ® SCP-5000 Cv 0.20
3	Vespe ^l ® SCP-5000 Cv 0.30
5	17-4 Stainless Steel Cv 0.06
6	17-4 Stainless Steel Cv 0.12
7	17-4 Stainless Steel Cv 0.20
8	17-4 Stainless Steel Cv 0.30
2	PORTING CONFIGURATION
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 or high pressure **9/16" only available in medium or high pressure</i>	
4	PORT TYPE (IN/OUT VENT/DOME)
1	FNPT
2	SAE J1926
3	SAE AS5202* <i>*SAE AS5202 supersedes MS33649</i>
4	Medium Pressure
5	High Pressure
<i>DOMES PORT: 1/4" selected port type VENT PORT: 1/4" selected port type GAUGE PORTS: 1/4" FNPT</i>	

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AFLAS® is a registered trademark of Asahi Glass Co., Ltd

10000 PSIG MAX INLET: STAINLESS STEEL
The end user is responsible to ensure adequate fittings are used to connect regulator to plumbing.

Contact factory for material certifications.
Fees may apply.

5 6	O-RINGS
00	BUNA-N
01	AFLAS®
02	VITON®
05	EPDM
11	FFKM <i>(Contact factory for pricing)</i>
12	NITRILE, LO-TEMP
MODIFICATIONS <i>Separate multiple mods with a dash</i>	
BLANK	None
AC	KRYTOX 240AC
N	NACE MR0175
PN	PANEL NUT STYLE BODY
PTU	PORT TYPE UNIFORM
SM	SURFACE MOUNT <i>(NOT AVAILABLE ON PANEL NUT BODIES)</i>