

3023DL SERIES

Dome Loaded, High Pressure
Pressure Reducing Regulators



Premier 3023DL Series pressure reducing regulators are dome loaded, high pressure, piston sensed, pressure reducing regulators, designed for inlet pressures up to 15000 PSIG (*1034.21 bar*) and Cv 0.06, 0.12, or 0.2. Captured venting allows fluids/gases to be safely piped away.

FEATURES

- Captured venting
- 15000 PSIG (*1034.21 bar*) max inlet
- Outlet pressures up to 15000 PSIG
- 1:1 load ratio
- Piston: Ø1.125
- Cv 0.06, 0.12, or 0.2.
- 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:**
 - 15000 PSIG (1034.21 bar)
- **MAX OUTLET PRESSURE:**
 - 15000 PSIG (1034.21 bar)
- **MAX DOME LOAD:**
 - 15000 PSIG (1034.21 bar)
- **FLOW (Cv):** 0.06, 0.12, 0.20
- **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)

MATERIALS OF CONSTRUCTION

- **BODY:** 316 Stainless Steel
- **MAIN VALVE SEAT:**
 - Vespel® SP-1 or Vespel® SCP-5000
- **VENT VALVE SEAT:**
 - Vespel® SP-1 or Vespel® SCP-5000
- **MAIN VALVE / VENT VALVE STEM:**
 - 17-4 Stainless Steel (hardened)
- **O-RING MATERIAL:**
 - BUNA-N
 - AFLAS®
 - Viton®
 - EPDM
 - FFKM (*Contact factory for pricing*)
- **BACK-UP RINGS:** PCTFE
- **WETTED PARTS, OTHER:**
 - 316 Stainless Steel,
 - 17-4 Stainless Steel
- **STANDARD LUBRICANT:**
 - Krytox® GPL 206

PORTING

- **INLET PORTING:**
 - 1/4", 3/8", 1/2" FNPT
 - 1/4", 3/8", 9/16" MEDIUM PRESSURE
 - 1/4", 3/8", HIGH PRESSURE
- **GAUGE PORT:** 1/4" FNPT

OPTIONS

- Private label
- Panel mounting bracket (P/N: 30-10059)
- Surface mount
- Port type uniform

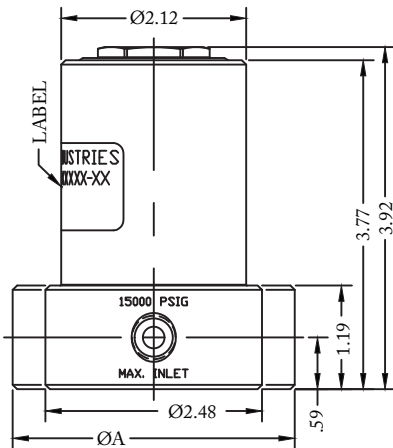
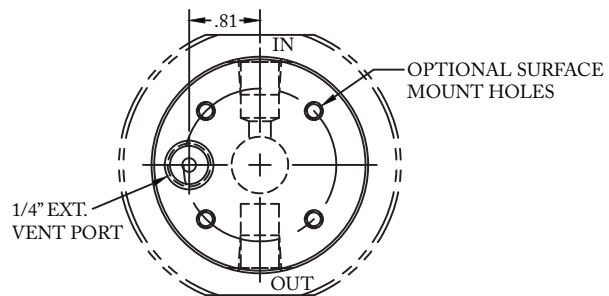
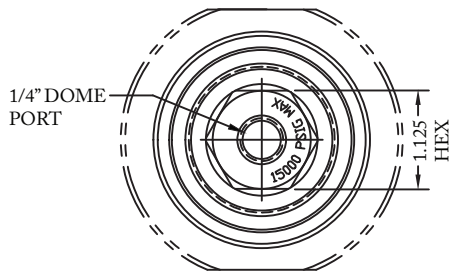
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Contact factory for material certifications. Fees may apply.

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PART NUMBER: 30-10229DLG



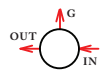
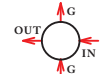
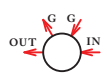

PORT TYPE	ØA	FLATS
NPT	Ø2.48	—
1/4" M.P. & H.P.	Ø2.48	2.36
3/8" M.P. & H.P.	Ø2.98	2.81
9/16" M.P.	Ø3.23	2.98

3/8" & larger "L" configuration bodies require a larger ØA

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SERIES	-	1	2	3	4	5	-	7 8	-	MODS
30-10229DLG	-						-		-	

1	MAX OUTLET PRESSURE
8	15000 PSIG
2	Cv : MAIN VALVE/ VALVE SEAT MATERIAL
0	Cv 0.06 / Vespel® SP-1
1	Cv 0.12 / Vespel® SP-1
2	Cv 0.20 / Vespel® SCP-5000
3	PORTING CONFIG.
A	
L	
C	
S	
Optional gauge ports: 1/4" FNPT (standard) Dome port: 1/4" IN/OUT/VENT type	

4	PORT SIZE
4	1/4"
6	3/8"
8	1/2"*
9	9/16"***
*1/2" not available in M.P. & H.P. **9/16" only available in M.P.	
5	PORT TYPE (IN, OUT, VENT, DOME)
1	FNPT
4	Medium Pressure
5	High Pressure

6 7	O-RINGS
00	BUNA-N
01	AFLAS®
02	VITON®
05	EPDM
11	FFKM <i>(Contact factory for pricing)</i>
MODIFICATIONS	
Blank	None
PTU	PORT TYPE UNIFORM
PTU	PORT TYPE UNIFORM
SM	SURFACE MOUNT

15000 PSIG MAX INLET

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

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