

## 6023DL SERIES

Dome Loaded, High Pressure, Hydraulic, 15000 PSIG  
Pressure Reducing Regulators



Premier 6023DL Series pressure reducing regulators are dome loaded, hydraulic, 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:**
  - 17-4 stainless steel (*standard*)
  - Vespel® (*optional*)
- **VENT VALVE SEAT:**
  - 17-4 stainless steel (*standard*)
  - Vespel® (*optional*)
- **MAIN VALVE / VENT VALVE STEM:**
  - 17-4 Stainless Steel (hardened)
- **O-RING MATERIAL:**
  - BUNA-N
  - AFLAS®
  - Viton-A®
  - EPDM
  - FFKM (*Contact Premier 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
- **OPTIONAL GAUGE PORT:** 1/4" FNPT

## OPTIONS

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

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

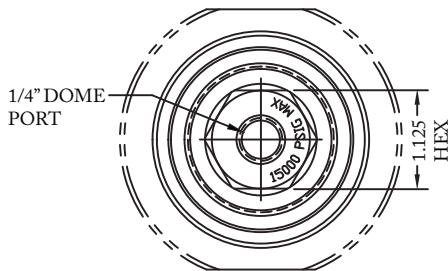
Krytox® is a registered trademark of The Chemours Company FC, LLC.

Contact factory for material certifications. Fees may apply.

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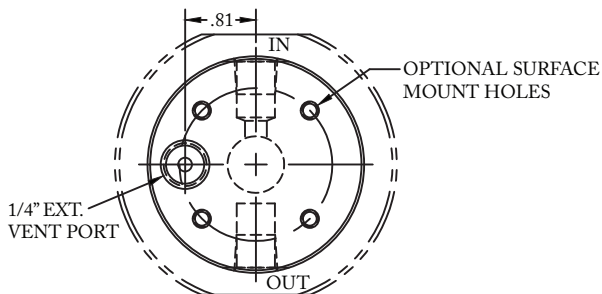
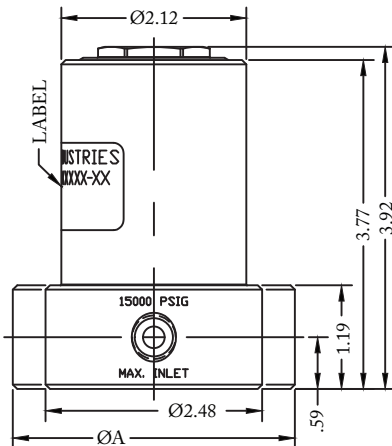
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PART NUMBER: 30-10229DL



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

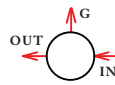
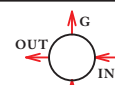


3/8" & larger "L" configuration bodies  
require a larger ØA



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

1	MAX OUTLET PRESSURE
8	15000 PSIG
2	C <sub>v</sub> : MAIN VALVE/ VALVE SEAT MATERIAL
0	C <sub>v</sub> 0.06 / Vespel® SP-1
1	C <sub>v</sub> 0.12 / Vespel® SP-1
2	C <sub>v</sub> 0.20 / Vespel® SCP-5000
5	C <sub>v</sub> 0.06 / 17-4 stainless steel
6	C <sub>v</sub> 0.12 / 17-4 stainless steel
7	C <sub>v</sub> 0.20 / 17-4 stainless steel
3	PORTING CONFIG.
A	
L	
C	
S	

4	PORT SIZE
4	1/4"
6	3/8"
8	1/2"*
9	9/16"***
*1/2" NOT AVAILABLE IN M.P. OR H.P. **9/16" ONLY AVAILABLE IN M.P.	
5	PORT TYPE (IN/OUT/VENT/DOME)
1	FNPT
4	Medium Pressure
5	High Pressure
GAUGE PORTS: 1/4" FNPT VENT PORT: 1/4" inlet/outlet port type DOME PORT: 1/4" inlet/outlet port type	

6 7	O-RINGS
00	BUNA-N
01	AFLAS®
02	VITON®
05	EPDM
11	FFKM <i>(Contact Premier for pricing)</i>
MODIFICATIONS	
BLANK	NONE
AC	KRYTOX® 240AC
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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