

2800PAL SERIES

Air Loaded, High Flow, Piston Sensed
Pressure Reducing Regulators



Premier 2800PAL Series regulators are single stage, air loaded, high flow, piston sensed regulators with a balanced stem for increased delivery pressure stability. These piston sensed, high flow regulators are rated for inlet pressures up to 3600 PSIG / 248.2 BAR, and Cv 2.0. Premier 2800PAL Series regulators are rated for outlet pressures up to 1000 PSIG (68.95 bar). They are used to regulate to a broad range of corrosive and non-corrosive media (*based on materials of construction*).

FEATURES

- Significantly reduced supply pressure effect / increased stability in outlet pressure
- High flow capacity (Cv): 2.0
- Piston sensed
- Compatible with electro-pneumatic controllers
- 3600 PSIG / 248.2 BAR max inlet (*dependent upon configuration*)
- Variety of materials available
- Non-venting
- Machined bar stock body eliminates porosity found in castings
- Very competitive pricing

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

SPECIFICATIONS

- **MAXIMUM INLET PRESSURE:**
 - 3600 PSIG / 248.2 BAR (*Aluminum and 316SS*)
 - 3000 PSIG / 206.8 BAR (*Brass*)
- **MAXIMUM LOAD PRESSURE:**
 - 125 PSIG / 8.6 BAR
- **OUTLET PRESSURE RANGES:**
 - 0-200 PSIG / 0-13.8 BAR
 - 0-400 PSIG / 0-27.6 BAR
 - 0-600 PSIG / 0-41.4 BAR
 - 0-800 PSIG / 0-55.2 BAR
 - 0-1000 PSIG / 0-68.95 BAR
- **FLOW (Cv):** 2.0

MATERIALS OF CONSTRUCTION

- **BODY AND BONNET OPTIONS:**
 - 6061-T6 Aluminum / Clear Anodized
 - 316 Stainless Steel / PI #515 Cleaning
 - SAE 360 Brass
- **PISTON:**
 - 303 Stainless Steel
 - 316 Stainless Steel
- **MAIN VALVE SEAT:**
 - PCTFE
- **ELASTOMER SEAL OPTIONS:**
 - Nitrile
 - Viton-A®
 - EPDM
- **MAIN VALVE PARTS:**
 - 300 Series Stainless Steel
(*Aluminum and Brass Body/Bonnet Options*)
 - 316 stainless steel & nitronic 60
(*316 Stainless Steel Body/Bonnet Option*)
 - 316 Stainless Steel & C693 Brass
(*Hydrogen mod*)
- **OPTIONAL PANEL MOUNTING NUT:**
(*NON-WETTED*)
 - 6061-T6 Aluminum/Nickel Plated

PORTING

- **INLET/OUTLET PORTS:**
 - 1/2" FNPT
- **OPTIONAL GAUGES:**
 - 1/4" FNPT
- **LOAD PORT:**
 - 1/4" FNPT

OPTIONS

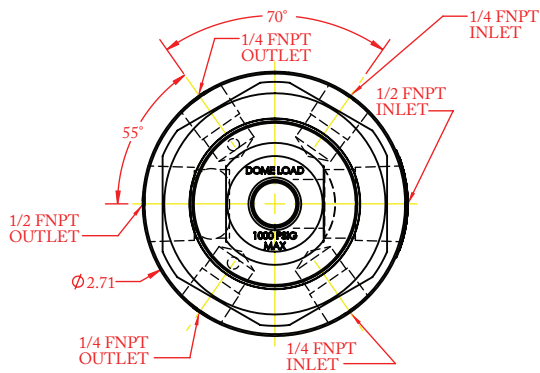
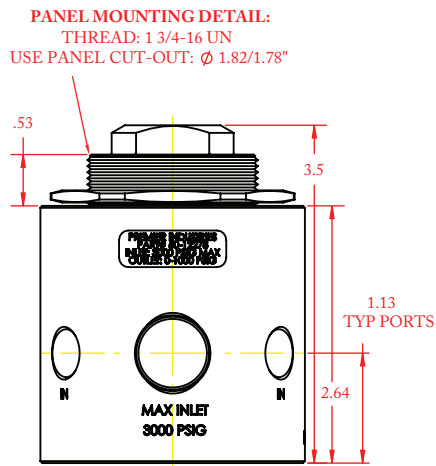
- Panel Mounting Nut(s) (*1 or 2*) P/N 50-11803
- Gauges
- Private Label

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PEEK® is a registered trademark of Victrex PLC

Contact factory for material certifications. Fees may apply.

PART NUMBER: 50-13418
SHOWN BELOW

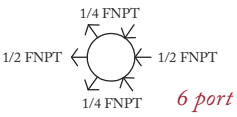
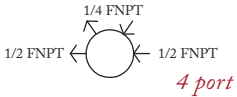
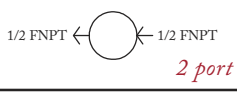


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PART #	-	1	2	3	4	5	6	7	8	-	MODS
50-13418	-									-	

1	BODY & BONNET MATERIAL AND FINISH
1	6061-T6 Aluminum Clear Anodize <i>3600 PSIG MAX INLET</i>
2	316 Stainless Steel Clean per spec #515 <i>3600 PSIG MAX INLET</i>
3	SAE 360 Brass <i>3000 PSIG MAX INLET</i>
2	OUTLET PRESSURE
1	0-200 PSIG (<i>0-13.8 bar</i>)
2	0-400 PSIG (<i>0-27.6 bar</i>)
3	0-600 PSIG (<i>0-41.4 bar</i>)
4	0-800 PSIG (<i>0-55.2 bar</i>)
5	0-1000 PSIG (<i>0-68.95 bar</i>)
3	ELASTOMER SEALS
1	Nitrile
2	Viton-A®
3	EPDM

4	SEAT MATERIAL
1	PCTFE
5	GAUGES
0	NONE
6	OPTIONAL PANEL MOUNTING NUT(S)
0	None
1	1 mounting nut
2	2 mounting nuts
7	PORTING CONFIGURATION
A	 6 port
B	 4 port
C	 2 port
LOAD PORT: 1/4" FNPT	

8	MOUNTING HOLES
0	NONE
MODIFICATIONS	
BLANK	NONE
H	HYDROGEN GAS USE <i>(316 SS body/bonnet option only)</i>

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