



HIGH FLOW PISTON SENSED CAPTURED VENTING *Pressure Reducing Regulators*



PREMIER INDUSTRIES

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MADE IN THE USA
Minneapolis, MN

DESCRIPTION

Premier 2860PDL Series regulators are captured venting, single stage regulators with a balanced stem for increased stability in delivery pressure / significantly reduced supply pressure effect. These piston sensed, high flow regulators are rated for inlet pressures up to 3000 PSIG (206.84 bar), and Cv 2.0. Premier 2860PDL Series regulators are used to regulate to a broad range of corrosive and non-corrosive media (based on materials of construction).

FEATURES

- Captured venting
- Significantly reduced supply pressure effect / increased stability in outlet pressure
- High flow capacity (Cv): 2.0
- Piston sensed
- Variety of materials available
- Machined bar stock body eliminates porosity found in castings
- Very competitive pricing

2860PDL SERIES

HIGH FLOW PISTON SENSED CAPTURED-VENTING *Pressure Reducing Regulators*



SPECIFICATIONS

- **MAXIMUM INLET PRESSURE:** 3000 PSIG (206.8 bar)
 - **MAXIMUM OUTLET PRESSURE:** 1500 PSIG (103.4 bar)
 - **MAXIMUM DOME LOAD:** 1550 PSIG (106.9 bar)**
- **An additional 10-40 psig dome load is required to maintain 1:1 outlet:dome ratio*
- **FLOW (Cv):** 2.0

MATERIALS OF CONSTRUCTION

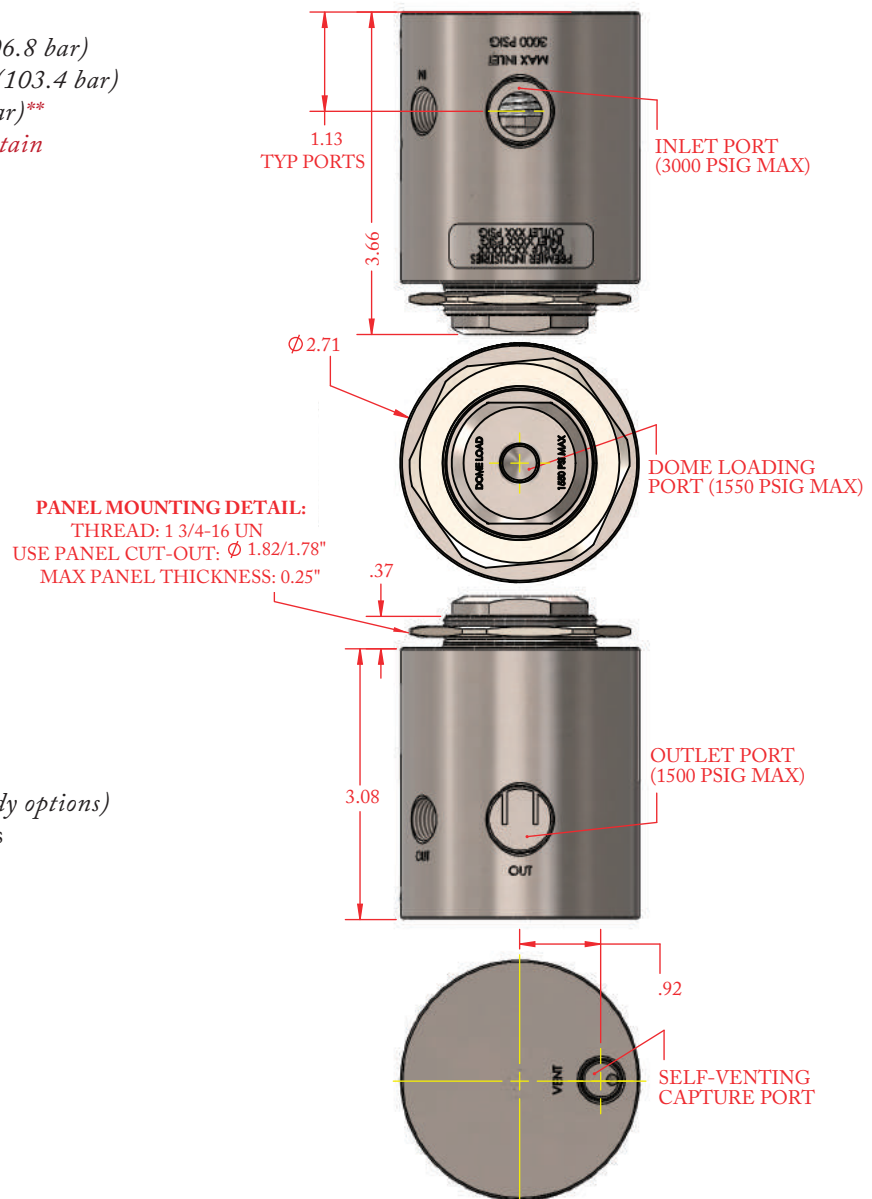
- **BODY/BONNET/SENSOR OPTIONS:**
 - 6061-T6 Aluminum / Clear Anodized
 - 303 Stainless Steel
 - 316 Stainless Steel
 - SAE 360 Brass / Nickel Plated
- **MAIN VALVE SEAT:**
 - PCTFE
- **ELASTOMER SEALS:**
 - BUNA-N
 - Viton®
 - EPDM
 - Neoprene
 - Low temperature nitrile
- **MAIN VALVE PARTS:**
 - 300 Series Stainless Steel
(used in aluminum, brass, and 303 stainless steel body options)
 - 316 Stainless Steel and Nitronic 60 wetted alloys
(used in 316 stainless steel body option)

PORTING

- **PROCESS/VENT PORTS:**
 - 1/2" FNPT
 - 1/4" SAE J1926
 - 1/2" SAE J1926
- **DOMES:**
 - 1/4" FNPT
 - 1/4" SAE J1926
- **GAUGE PORTS:**
 - 1/4" FNPT

OPTIONS

- Gauges
- Private Label
- Panel Mounting Nut



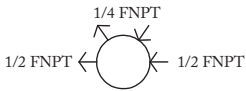
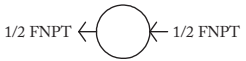
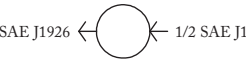
(P/N: 50-12732 shown above)



HIGH FLOW PISTON SENSED CAPTURED VENTING *Pressure Reducing Regulators*



PART #	-	1	2	3	4	-	MODS
50-12732	-					-	

1	BODY/ BONNET/SENSOR MATERIAL
1	6061-T6 Aluminum <i>Clear Anodized</i>
2	303 Stainless Steel
3	316 Stainless Steel <i>Clean per spec #515</i>
4	SAE 360 Brass <i>Nickel Plated</i>
2	ELASTOMER SEALS
C	
S	
S*	
3	SEAT MATERIAL
1	PCTFE

4	O-RING MATERIAL
0	Buna-N
2	Viton®
5	EPDM
6	Neoprene
L	Low-temp nitrile
MODIFICATIONS	
Blank	None
PN	include panel mounting nut

Main valve components are 300 Series Stainless Steel for aluminum, brass, and 303 stainless steel body options and 316 Stainless Steel and Nitronic 60 wetted alloys for the 316 stainless steel body option

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