

## 5150 SERIES

High Flow, Piston Sensed, Pneumatic  
Back Pressure Regulator



Premier 5150 Series low pressure, high flow, back pressure regulators are rated for control pressures up to 200 PSIG (*13.79 bar*) and Cv 5.0.

### FEATURES

- Cv: 5.0 max
- 200 PSIG (*13.79 bar*) max control pressure
- Economical pricing
- Compact, non-rising stem
- Machined bar stock body eliminates porosity found in castings

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

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## SPECIFICATIONS

- **CONTROL PRESSURE RANGES:**
  - 0-25 PSIG (0-1.72 bar)
  - 0-50 PSIG (0-3.45 bar)
  - 0-125 PSIG (0-8.62 bar)
  - 0-200 PSIG (0-13.79 bar)
- **FLOW COEFFICIENT (C<sub>v</sub>):** 5.0 max

## MATERIALS OF CONSTRUCTION

- **BODY OPTIONS:**
  - 316 Stainless Steel
  - 6061-T6 Aluminum, clear anodized
- **SEALS & SEAT MATERIAL OPTIONS:**
  - Buna-n
  - Viton®
  - EPDM
- **MAIN VALVE STEM:**
  - 17-4 Stainless Steel
- **STANDARD LUBRICANT:**
  - Krytox® GPL 206

## PORTING

- **INLET OPTIONS:**
  - 1/2" SAE AS5202\*
  - 3/4" FNPT
- **OUTLET OPTIONS:**
  - 1/2" SAE AS5202\*
  - 3/4" FNPT

*\*SAE AS5202 supersedes MS33649*

## OPTIONS

- Private labeling

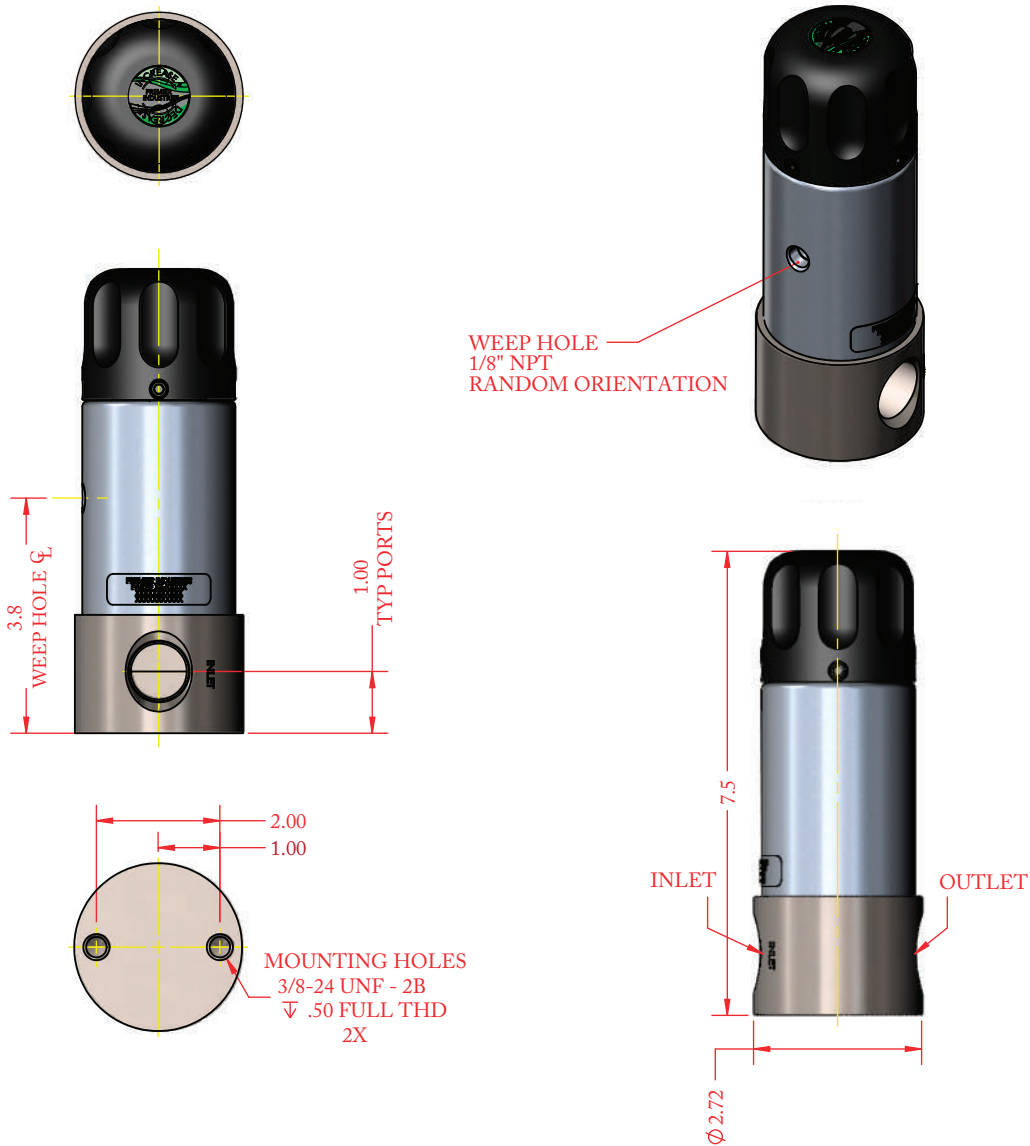
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*Krytox® is a registered trademark of The Chemours Company FC, LLC.*

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PART NUMBER: 50-12800



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PART NUMBER	-	1	2	3	4	5	-	MODS
50-12800	-						-	

1	BODY & SENSOR ASSEMBLY MATERIALS
1	6061-T6 Aluminum, Clear Anodize
3	316 Stainless Steel
2	SEAL MATERIAL
1	Buna-n
2	Viton®
3	EPDM
3	PORTING
1	3/4" FNPT
2	1/2" AS5202

4	CONTROL PRESSURE
1	0-25 PSIG (0-1.72 BAR)
2	0-50 PSIG (0-3.45 BAR)
3	0-125 PSIG (0-8.62 BAR)
4	0-200 PSIG (0-13.79 BAR)
5	GAUGES
0	NONE
MODIFICATIONS	
BLANK	NONE
AC	KRYTOX 240AC

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*Contact factory for material certifications.  
Fees may apply.*