

5150AL SERIES

High Flow, Air Loaded, Pneumatic
Back Pressure Regulator



Premier 5150AL Series air loaded, single stage, high flow, piston sensed, back pressure regulators, designed for control pressures up to 300 PSIG (*20.68 bar*), and Cv 5.0. The 5150AL features an air loader with a max load pressure of 100 PSIG (*6.89 bar*).

FEATURES

- Flow capacity (Cv): 5.0
- Compatible with electro pneumatic controllers
- 1:3 control:dome
- Economical pricing
- 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.

SPECIFICATIONS

- **CONTROL PRESSURE:**
 - 0-300 PSIG (20.68 bar)
- **DESIGN PRESSURE:**
 - 1500 PSIG MAX (103.42 bar)
- **MAX AIR LOAD:**
 - 100 PSIG (6.89 bar)
- **FLOW (Cv):** 5.0

MATERIALS OF CONSTRUCTION

- **BODY AND SENSOR ASSEMBLY OPTIONS:**
 - 6061-T6 Aluminum, Clear Anodize
 - 316 Stainless Steel
- **MAIN VALVE STEM:**
 - 17-4 H1150 Stainless Steel
- **SEAL AND MAIN VALVE MATERIAL OPTIONS:**
 - Buna-N
 - Viton-A®
 - EPDM
- **NYLOC:**
 - 316 Stainless Steel w/ Nylon Insert
- **AIR LOADER:**
 - 6061-T6 Aluminum, Clear Anodize
- **STANDARD LUBRICANT:**
 - Krytox® GPL 206

PORTING

- **INLET/OUTLET PORT OPTIONS:**
 - 3/4" FNPT
 - 3/4" SAE AS5202
 - 1" FNPT
- **LOAD PORT:**
 - 1/8" FNPT

OPTIONS

- Private labeling
- Larger ports / body diameter (P/N: 30-10230)

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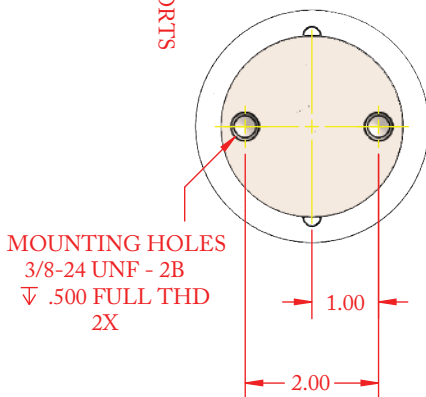
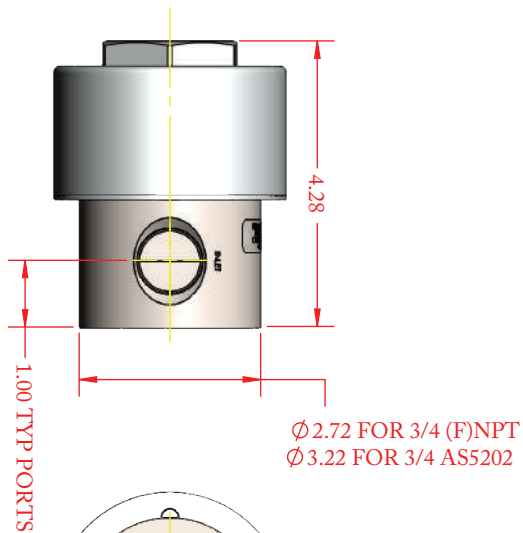
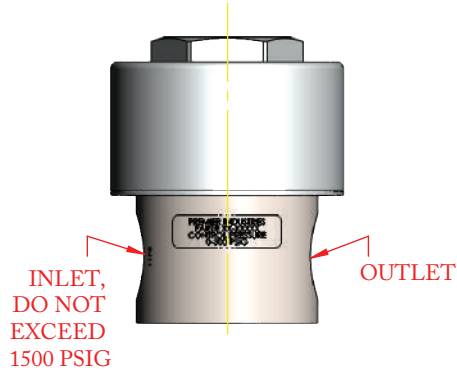
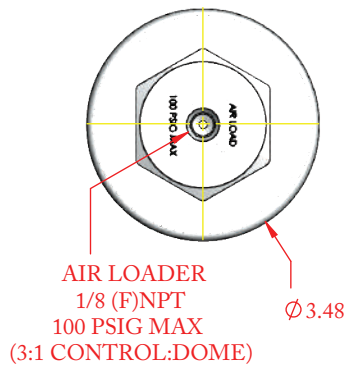
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*Contact factory for material certifications.
Fees may apply.*

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Back Pressure Regulator

PART NUMBER: 50-13438



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High Flow, Air Loaded, Pneumatic
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| PART # | - | 1 | 2 | 3 | 4 | - | MODS |
|----------|---|---|---|---|---|---|------|
| 50-13438 | - | | | | | - | |

| 1 | BODY AND SENSOR ASSEMBLY |
|---|------------------------------------|
| 1 | 6061-T6 Aluminum, Clear Anodize |
| 2 | 316 Stainless Steel |
| 2 | SEAL MATERIAL |
| 1 | BUNA-N |
| 2 | Viton-A® |
| 3 | EPDM |

| 3 | PORTING |
|---------------|--------------|
| 1 | 3/4 FNPT |
| 2 | 3/4 AS5202 |
| 3 | 1" FNPT |
| 4 | GAUGES |
| 0 | NONE |
| MODIFICATIONS | |
| BLANK | NONE |
| AC | Krytox 240AC |

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