



# PR50 SERIES

INLET & OUTLET to 10,000 PSIG

## How To Order

**PR52 U 1 1 1 2 G**

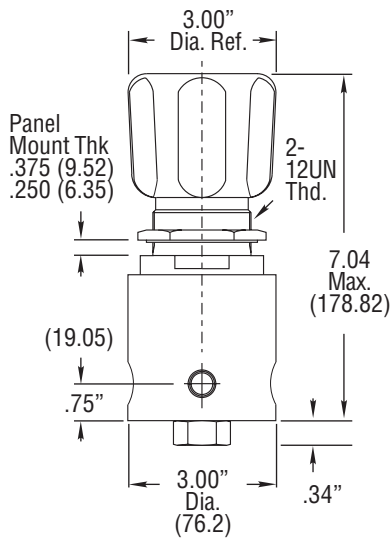
<p><b>BASIC MODEL NUMBER</b> ————</p> <p>PR50 Series</p> <p><b>MAX. OUTLET PRESSURE*</b> ————</p> <p>52 - 40 to 400 PSIG (248 BAR)          53 - 80 to 800 PSIG (138 BAR)          54 - 150 to 1,500 PSIG (50 BAR)          55 - 300 to 3,000 PSIG (14 BAR)          56 - 450 to 4,500 PSIG (414 BAR)          57 - 600 to 6,000 PSIG (414 BAR)          58 - 1,000 to 10,000 PSIG (414 BAR)</p> <p><b>BODY MATERIAL</b> ————</p> <p>B - Brass          U - 316 Stainless Steel          T - 303 Stainless Steel</p> <p><b>INLET &amp; OUTLET PORTS</b> ————</p> <p>1 - 1/4" NPT          2 - 1/2" NPT          3 - 1/2" Tube (MS55649-8)          4 - 1/2" British Parallel Pipe Thread          (Vent Port 1/4" BPPT, Gauge Port 1/4" BS Taper Thd.)</p>	<p><b>OPTIONS</b></p> <p>G - Gauges          N - 316 CRES Panel Nut</p> <p><b>CLEANING LEVELS</b></p> <p>1 - General Oxygen Service          2 - General Pneumatic Service          3 - Specify          4 - Precision Pneumatic Service</p> <p><b>SEAT MATERIAL</b></p> <p>1 - Vespel® (Std.)          2 - Kel F (Limited to 3,000 PSI Inlet Pressure, 52 thru 55 only)</p> <p><b>SEAL MATERIAL</b></p> <p>0 - Ethylene Propylene          1 - Neoprene (Std.)          3 - Viton® (Std. for O<sub>2</sub> Service)          4 - Buna N</p>
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**Notes:**

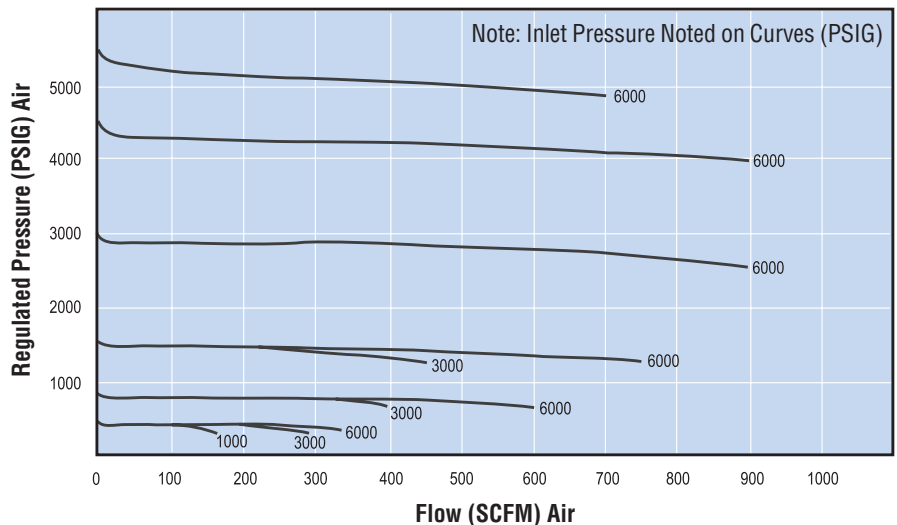
\*For best regulating characteristics use only within 10% to 90% of maximum outlet pressure range.  
 Either liquid or gas is handled equally well by the PR50 Series. No modification is required to convert from gas service to liquid. Seals and seats are available for nearly all liquids or gases. The PR50 is not recommended for continuous liquid service. Please consult your Circle Seal Controls Distributor, Representative or the factory for information on special connections, operating pressures and temperature ranges.

Vespel® is a registered trademark of DuPont and Viton® is a registered trademark of DuPont Dow Elastomers.

## Dimensions & Flow Curves



**Air Flow Chart**




**CIRCLE SEAL CONTROLS, INC.**  
 A division of CIRCOR International, Inc.  
 Certified to ISO 9001