

BR Series Back Pressure Regulator

Features

- Regulates pressure and absorbs normal pulsation
- Repeatable and accurate setting
- Regulates pressure within 5% (regardless of flow rate)
- Standard temperature 250° F (higher ranges available)
- Easily maintained

BR 5 Specifications

• Adjustable Pressure Ranges	100 psi to 2000 psi
• Flow Rate	5 gallons per minute
• Temperature Range	Up to 250° F
• Weight	1.5 lbs

BR 10 Specifications

• Adjustable Pressure Ranges	100 psi to 2000 psi
• Flow Rate	10 gallons per minute
• Temperature Range	Up to 250° F
• Weight	3.0 lbs



Material of Construction

• Body	Electroless nickel-plated brass
• Inlet Cap	416 stainless steel
• Stem	Electroless nickel-plated hardened steel
• Piston	416 stainless steel
• Springs	Spring steel
• Seals	Viton®

Viton® is a registered trademark of DuPont Dow Elastomers

Applications

Self- and full-service car wash systems • High pressure sprayers and washers • Systems with fixed pump pressure
 Hydrostatic test units • Multi-drop cleaning systems in food plants and similar applications
 Multiple hose systems and on/off hand guns



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U.S. Para Plate valves and regulators are used where performance and reliability are a must.
 Proven for over 30 years in the most demanding Aerospace and Industrial applications.



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Ordering Information

Order the BR Series through your distributor

MODEL NUMBER —

FLOW RATE —

5 = 5 gpm (nominal)
10 = 10 gpm (nominal)

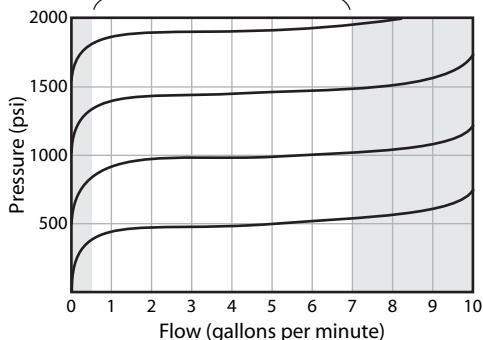
PRESSURE ADJUSTMENT RANGE —

1 = 100–1000 psi
1.5 = 500–1500 psi
2 = 750–2000 psi

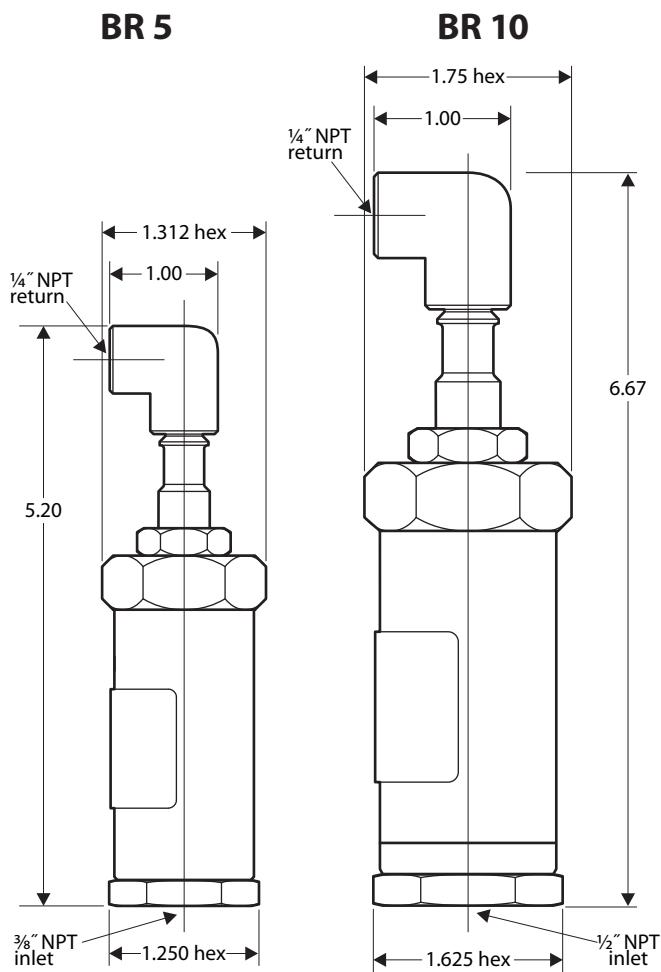
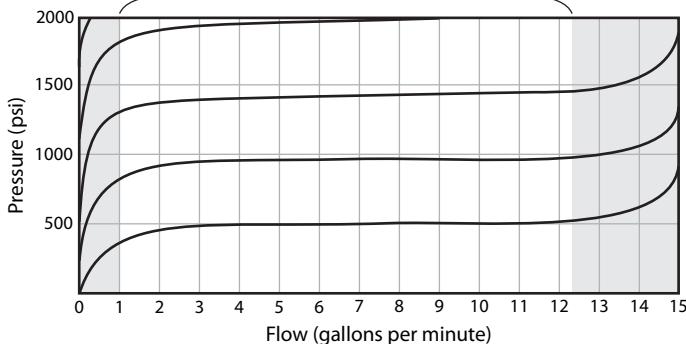
BR 5 – 1

Typical Flow Characteristics

BR 5 recommended operating range

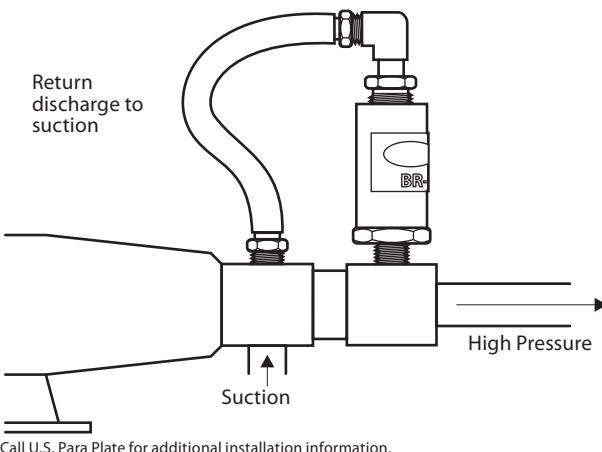


BR 10 recommended operating range



Installation

Install either at pump (no other pressure source) or in a downstream location to maintain constant back pressure. A typical location in pump is shown below.



Call U.S. Para Plate for additional installation information.



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