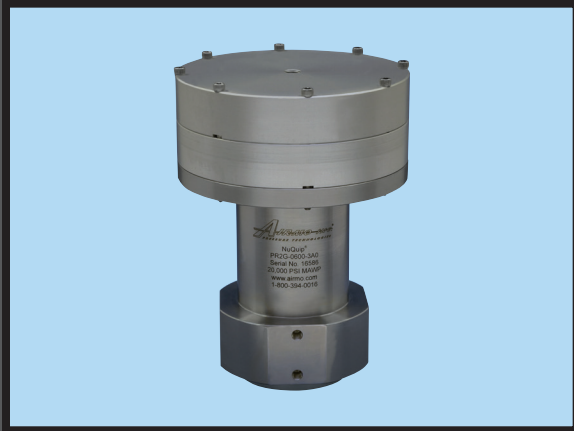


"UNPARALLELED PERFORMANCE AND SAFETY UNDER PRESSURE!"[®]



NuQuip[®]
Model PR Series
Pressure Regulators

- Pressures up to 20,000 psi (1,379 bar)
- Handles high pressures, high flows
- Air-actuated for precise control
- Vent port captures liquid to reduce pressure
- Variety of seals options
- Heat treated stainless steel construction

DESCRIPTION

The NuQuip[®] Model PR Series is a pressure reducing regulator, which utilizes an air actuator for precise control of high pressures. These regulators have a tapped vent port to allow capture of vented liquid.

Two basic models are available: PR1 with dual six-inch air actuator pistons, and PR2 with single or double five-inch air actuator pistons. The PR1 is slightly larger than PR2, giving it higher flow capacity. Both models can be configured for liquids or gases.

APPLICATION

The NuQuip[®] PR Series Regulators are designed to handle high pressures and high flows, for both liquids and gases with working pressures up to 20,000 psi (1,379 bar). They utilize stainless steel components for corrosion resistance and durability. Air actuators can be operated using regular shop air, and allow remote adjustment of regulator output, which is beneficial in automated systems.

MATERIALS

| | |
|---------------|--|
| Body: | Stainless steel construction for components contacting media |
| Air Actuator: | Aluminum |
| Seals: | Variety of materials compatible with working medium |

CONFIGURATION

| | |
|-------------------|---|
| Port Orientation: | Inlet and outlet are in-line |
| Port Styles: | NPT, MP, HP (contact Airmo for sizes) NPT = National Pipe Thread MP = Medium-pressure HP = High-pressure |
| Flow Capacity: | Maximum Cv = 1.5, depends on model |
| Air Actuation: | 0 to 80 psi (0 to 5.5 bar) |
| Mounting: | Body has four 1/4"-28 tapped holes |

OPERATING CONDITIONS

| | |
|-------------------|--|
| Maximum Pressure: | 20,000 psi (1,379 bar) |
| Temperature: | 32° F to 120° F (0° C to 49° C) |
| Services: | Liquids or gases |
| Leakage: | Bubble tight seal for gas applications |

MAXIMUM PRESSURE
20,000 psi
1,379 bar

NuQuip®

Model PR Series
Pressure Regulators

Pressure Regulator Specifications

| Model | Media | Maximum Inlet | Outlet Range |
|-------|--------|------------------------|--|
| PR1G | Gas | 20,000 psi (1,379 bar) | 200 to 10,000 psi (13.8 to 689 bar) 250 to 15,000 psi (17.3 to 1,034 bar) 300 to 20,000 psi (20.7 to 1,379 bar) |
| PR1L | Liquid | 20,000 psi (1,379 bar) | |
| PR2G | Gas | 20,000 psi (1,379 bar) | 100 to 6,000 psi (6.9 to 413.7 bar) 200 to 10,000 psi (13.8 to 689 bar) 250 to 15,000 psi (17.3 to 1,034 bar) 300 to 20,000 psi (20.7 to 1,379 bar) |
| PR2L | Liquid | 20,000 psi (1,379 bar) | |



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