

Pressure Regulating Valves

Pressure Reducing Valve - Low Lead, Pre-Adjustable



- Pre-adjustable pressure reducing valve for residential and commercial applications
- DZR low lead "Echobrass" body
- Unique noise reducing pressure balanced cartridge
- Low friction anti-scale moving parts
- High flow seat design
- Dial indicator with direct readout
- Replaceable cartridge
- Integral stainless steel filter
- Adjustable locking screw
- Max working pressure: 300 psi (20 bar)
- Max working temp: 180F (80C)
- Pressure setting range: 15-90 psi (1-6 bar)
- Factory Setting: 45 psi (3 bar)
- Certified to: ASSE 1003, CSA B356, NSF61, NSF 372, Low Lead Laws and listed by ICC-ES. Meets codes IPC, IRC & UPC for use in accordance with the US and Canadian plumbing codes

| Connections | Brand | Part Number |
|-----------------------|---------|-------------|
| 1/2" NPT female gauge | Caleffi | 535341HA |
| 1/2" sweat gauge | Caleffi | 535941HA |
| 3/4" NPT female gauge | Caleffi | 535351HA |
| 3/4" sweat gauge | Caleffi | 535951HA |

CALEFFI
Hydronic Solutions

Pressure Regulating Valves

Pressure Regulating Valves - DialSet® Low Lead



- Valves for new residential and light commercial construction, drip irrigation, and other applications requiring highly sensitive and accurate regulation
- Built-In Dial-Set™ adjustment; no gauge required
- Dial is calibrated in 10 psi increments to allow quick and accurate adjustment of outlet pressure
- Flow capacity and accuracy make the valve suitable for potable water service and most irrigation applications
- Non-corroding unitized cartridge contains all working parts and is easily replaceable
- Bronze body with stainless steel and engineered thermoplastic internal parts.
- Balanced single seat for accurate pressure output under varying inlet pressures
- Inlet and outlet are internally threaded female NPT, and externally threaded for use with union assemblies
- Built-in strainer and thermal bypass
- Can be used in low, standard or high pressure applications
- Reducing Ratio: 10:1 max

| Size | Outlet Pressure Adjustment Range | Union Fittings | Dimensions (Height x Length) | Brand | Part Number |
|------|----------------------------------|--|------------------------------|-----------|-------------------------|
| 1/2" | 25 - 90 psi | Single union, sweat tailpiece. Second union available as accessory. | 5 1/4" x 3 7/8" | Honeywell | DS-06-100-SUS-LF |
| 3/4" | 25 - 90 psi | Single union, sweat tailpiece. Second union available as accessory. | 5 1/4" x 4 5/16" | Honeywell | DS-06-101-SUS-LF |

| Pressure Regulator Valve Size (inch) | Reduced Pressure Fall off (psi) | Pressure Differential between inlet and outlet | | | | | | | |
|--------------------------------------|---------------------------------|--|--------------------------------|---------------------|--------------------------------|---------------------|--------------------------------|---------------------|--------------------------------|
| | | 25 psi (172 kPa) | | 50 psi (345 kPa) | | 75 psi (517 kPa) | | 100 psi (689 kPa) | |
| | | Flow Capacity (gpm) | Velocity (ft/sec) ^a | Flow Capacity (gpm) | Velocity (ft/sec) ^a | Flow Capacity (gpm) | Velocity (ft/sec) ^a | Flow Capacity (gpm) | Velocity (ft/sec) ^a |
| 1/2 | 6 | 1.2 | 1.3 | 2.3 | 2.4 | 3.3 | 3.5 | 4.4 | 4.6 |
| | 10 | 8.8 | 9.3 | 10.1 | 10.7 | 10.6 | 11.2 | 10.6 | 11.2 |
| | 15 | 13.2 | 13.9 | 15.0 | 15.8 | 17.6 | 18.6 | 17.6 | 18.6 |
| | 20 | 17.6 | 18.6 | 20.7 | 21.9 | 22 | 23.2 | 22.9 | 24.2 |
| 3/4 | 6 | 3.6 | 2.1 | 4.0 | 2.4 | 4 | 2.4 | 4.0 | 2.4 |
| | 10 | 8.1 | 4.9 | 9.3 | 5.6 | 9.9 | 6.0 | 9.9 | 6.0 |
| | 15 | 14.7 | 8.8 | 17.6 | 10.6 | 19.8 | 11.9 | 20.6 | 12.4 |
| | 20 | 23.0 | 13.8 | 27.7 | 16.7 | 32.1 | 19.3 | 34.1 | 20.5 |

Approvals:
 ASSE (Std. 1003) Certified
 IAPMO, CSA, and City of L.A. Listed

^a Velocity in feet per second is based on schedule 40 pipe size. Recommended pressure falloff for general use is approximately 15 psi (104 kPa). Recommended velocities for the flow of water: Residential and general use, 5 to 10 ft/sec (1.5-3.0 m/s) industrial use, 7 to 15 ft/sec (2.1-4.6 m/s); boiler feed, 7 to 15 ft/sec (2.1-4.6 m/s).



Pressure Regulating Valves

Pressure Regulating Valves - Lead Free Standard Capacity



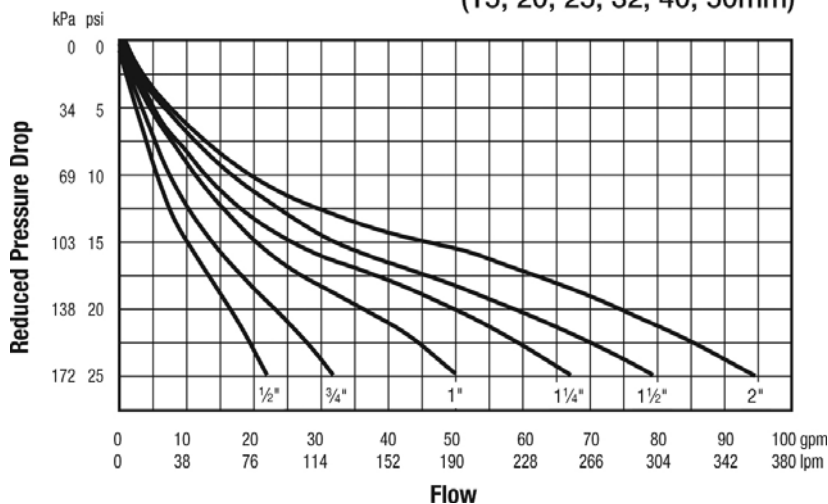
- Designed to reduce incoming water pressure to protect plumbing system components and reduce water consumption in residential, commercial and industrial applications
- Suitable for water supply pressures up to 300psi
- Bypass feature controls thermal expansion pressure (Note: bypass feature will not prevent the pressure relief valve from opening on the hot water supply system with pressure above 150psi)
- Sealed spring cage and corrosion resistant screws
- All parts are serviceable without removing the valve from the line
- High temperature resistant diaphragm
- Body: Lead Free copper silicon alloy
- Integral stainless steel strainer
- Replaceable stainless steel seat module
- NPT threaded female union inlet x NPT female outlet
- Temperature Range: 0.5 - 71C (33 - 160F)
- Maximum Working Pressure: 300 psi
- Standard Reduced Pressure Setting: 50 psi

| Size | Outlet Pressure Adjustment Range | Dimensions (Height x Length) | Brand | Part Number |
|--------|----------------------------------|------------------------------|-------|-------------------|
| 1/2" | 25 - 75 | 7" x 5 3/8" | Watts | LF25AUB-Z3-1/2 |
| 3/4" | 25 - 75 | 7" x 5 5/16" | Watts | LF25AUB-Z3-3/4 |
| | | | Watts | LF25AUB-Z3-G-3/4* |
| 1" | 25 - 75 | 8" x 6" | Watts | LF25AUB-Z3-1 |
| 1 1/4" | 25 - 75 | 9" x 8 3/4" | Watts | LF25AUB-Z3-11/4 |
| 1 1/2" | 25 - 75 | 9 1/2" x 8 3/4" | Watts | LF25AUB-Z3-11/2 |
| 2" | 25 - 75 | 11 1/4" x 9 1/4" | Watts | LF25AUB-Z3-2 |

*With 1/4" Gauge Tapping (Port)

Capacity

Sizes: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
(15, 20, 25, 32, 40, 50mm)



ISO 9001-2008
CERTIFIED

