

B&G Reducing Unit Valves

Maintain proper system pressure

The established operating principal of the B&G Reducing Valve is now offered with a lead free brass* body as standard material. Highly resistant to corrosion, lead free brass* is recognized as the material of choice in water systems.

Another standard feature is a unique low inlet pressure check valve. The check valve is designed to help prevent the loss of system pressure if the supply water pressure drops below the system pressure.

During normal operation the valve seat opens because of low system pressure and water flows in through the valve seat. In order to enter the system, this water must first pass under the flexible sealing lips of the check valve. In case of low city water pressure, the pressure on the inside of the check valve (the city water side) would be less than the pressure on the outside (the system water side). This outside pressure then forces the lips of the check valve against the main diaphragm preventing the flow of water out of the system.

A simple, yet extremely effective device, the low inlet pressure check valve is less affected by dirt than are ball and flapper type checks.

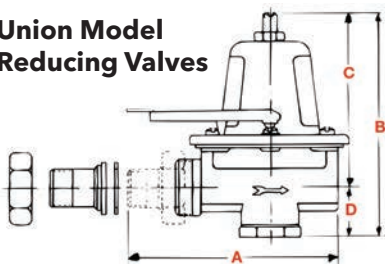
Also available are a fastfill feature and a model with a union connection.

Some models are standard with a manual fastfill feature that facilitates fast filling of a Hydronic System. A real time saver for that initial fill or when a substantial amount of water must be added to a system.

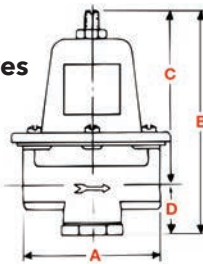
An optional feature available is a union connection. Bell & Gossett offers a body configuration with a union nut and universal tailpiece. The tailpiece is designed with a 1/2 inch male NPT thread and a 1/2 inch female sweat connection. No more second trips to the supplier, the right connection is available.

All Bell & Gossett Reducing Valves feature a cleanable strainer which is designed to prevent dirt and sediment from entering the valve. The strainer is readily accessible at the bottom of the valve.

Union Model Reducing Valves



Threaded Reducing Valves



Model B-38TU

Model FB-38

B7-12 Reducing Valve

This low pressure reducing valve is equipped with a low inlet pressure check valve and removable strainer. It is suitable for use in buildings with a maximum of three floors.

Nos. B-38, FB-38, B-38TU, & FB-38TU

These low pressure reducing valves are equipped with a low inlet pressure check valve and removable strainer. Models with an "F" prefix feature fastfill. Models ending with "TU" feature a 1/2" sweat/NPT union.

Nos. 6 & 7 High Pressure Reducing Valves

Protects plumbing fixtures against excessive line pressures. All wetted parts are lead free brass*. These valves are fitted with a removable strainer, low inlet pressure check valve and extra large diaphragm. They are factory adjusted to deliver 45 psi (3.1 bar) with 125 psi (8.6 bar) to the valve.



DIMENSIONS & WEIGHTS

| Model Number | Parts Number | Body Material | Connection Size Inches | | Factory Setting PSIG (bar) | Adjustable Range PSIG (bar) | Dimension Inches (mm) | | | | Approx. Ship. WT. lbs (Kg) Each | |
|---------------------------------|--------------|------------------|------------------------|-----------------|----------------------------|-----------------------------|-----------------------|-----------------|--------------|--------------|---------------------------------|---------------|
| | | | | | | | A | B | C | D | | |
| Pressure Reducing Valves | | | | | | | | | | | | |
| B-38 | 110190LF | Lead Free Brass* | 1/2 | NPT | 12 (0.8) | 10-25 (0.7-1.7) | 3-1/16 (78) | 4-3/16 (122) | 3-11/16 (94) | 1-1/8 (29) | 1-3/4 (0.8) | |
| B7-12 | 110196LF | | 3/4 | | | | 3 (76) | 4-31/32 (126) | 3-21/32 (93) | 1-5/16 (33) | 2-1/4 (1.0) | |
| B-38TU | 110191LF | | 1/2 | UNION NPT/SWEAT | | | 4-31/32 (126) | 4-13/16 (122) | 3-11/16 (94) | 1-1/8 (29) | 2 (0.9) | |
| FB-38 | 110192LF | | 1/2 | NPT | | | 3-1/16 (78) | | | | 1-3/4 (0.8) | |
| FB-38TU | 110193LF | | 1/2 | UNION NPT/SWEAT | | | 4-31/32 (126) | | | | 2 (0.9) | |
| 6 | 110194LF | | 1/2 | NPT | | | 45 (3.1) | 25-60 (1.7-4.1) | 3-1/16 (78) | 3-21/32 (93) | 1-5/16 (33) | 1-3/4 (0.8) |
| 7 | 110195LF | | 3/4 | | | | | | 3 (76) | | | 4-31/32 (126) |

MAXIMUM FLOW 6-1/2-7GPM (0.4-0.44 Ltrs./Sec.) AT 125 PSIG (8.6 bar) INLET PRESSURE

MAXIMUM OPERATING TEMPERATURE 225°F (107°C) – MAXIMUM WORKING PRESSURE 125 PSIG (8.6 bar)

*Contains less than .25% lead by weight on wetted surfaces.