

Biltmore 900 Series

Pressure Balancing Shower Valves

FEATURES:

- A rugged, commercial grade, 4-port bronze casting

ruggedly built

- Dependable diaphragm/poppet cartridge (even under the most demanding operating conditions)

safe and reliable

- Corrosion-resistant internal components add up to years of trouble-free services.

user friendly

- All Biltmore valves are ASSE 1016, listed and CSA B125 certified.

The Biltmore 900 Series provides near instantaneous response to changes in both hot and cold supply line pressure, assuring the bather of a safe, comfortable shower. If either supply pressure fails, the 900 shuts down immediately.

The Biltmore 900 is ideal for hotel, motel, health club, single and multi-family dwellings. As safety and liability are of the utmost concern, all Biltmore 900 valves increase shower safety by incorporating additional features, including:

- an adjustable temperature-limit stop that restricts maximum water temperature delivery by preventing the bather from over-rotating the handle to a potentially harmful position.
- always opening from the cold water position and rotating to the desired water temperature. The bather can never accidentally open the valve in a hot or full position.
- dirt and lime resistant internal Celcon components to ensure the pressure balancing mechanism will never "stick" (and fail) in harsh water conditions. Maintenance costs are dramatically reduced.



P902



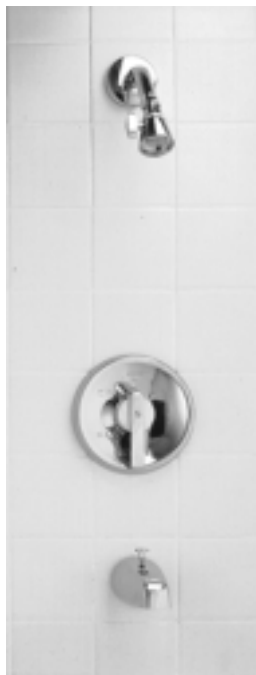
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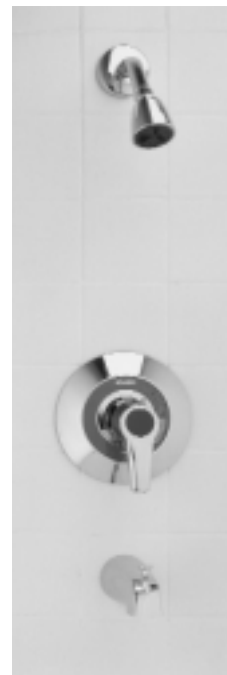
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P910



P902HK1S
Shower System



P905HJ1U
Shower System



Biltmore 900 Series

Proven Design for Trouble-Free Performance

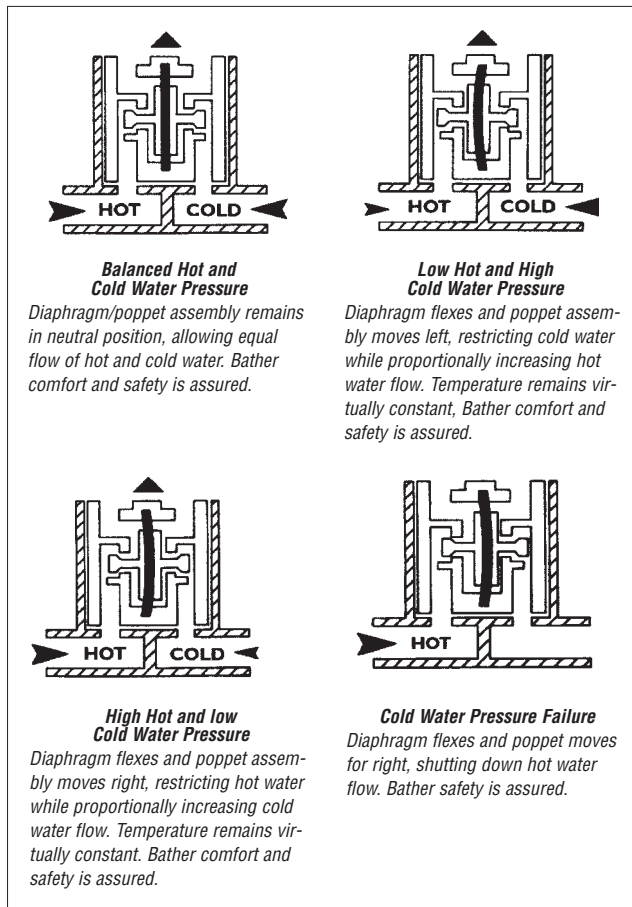
A proven reliable method of pressure balancing control is the Powers diaphragm/poppet design. It uses a balancing diaphragm as well as poppet-type discs and seats with wide clearances to provide maximum protection against lime and dirt.

If either the cold or hot supply water suddenly drops due to demand elsewhere on the supply line, this sensitive diaphragm immediately responds to the change and maintains the ratio of cold-to-hot water.

This unique design offers proven operating advantages over piston cylinder type valves where close tolerances between the metal piston and cylinder can be jammed by dirt and lime build-up.

Installations and service heavily influenced by Biltmore design as well. Biltmore offers these unparalleled features:

- Unique design allows shallow wall installation in as little as 2" (51mm) wall depth or 4" (102mm) for back-to-back installation.
- Back-to-back installation can be achieved without costly cross-over piping by simply rotating the stem 180 and relabeling the ports.
- Integral check-stops are readily accessible for basic maintenance and repair.
- Water flow paths are more direct, increasing flow rates for broader shower sprays and faster tub fills.



Balanced Hot and Cold Water Pressure

Diaphragm/poppet assembly remains in neutral position, allowing equal flow of hot and cold water. Bather comfort and safety is assured.

Low Hot and High Cold Water Pressure

Diaphragm flexes and poppet assembly moves left, restricting cold water while proportionally increasing hot water flow. Temperature remains virtually constant, Bather comfort and safety is assured.

High Hot and low Cold Water Pressure

Diaphragm flexes and poppet assembly moves right, restricting hot water while proportionally increasing cold water flow. Temperature remains virtually constant. Bather comfort and safety is assured.

Cold Water Pressure Failure

Diaphragm flexes and poppet moves for right, shutting down hot water flow. Bather safety is assured.

ENGINEERING APPROVAL

Project:

Contractor:

Architect/Engineer: