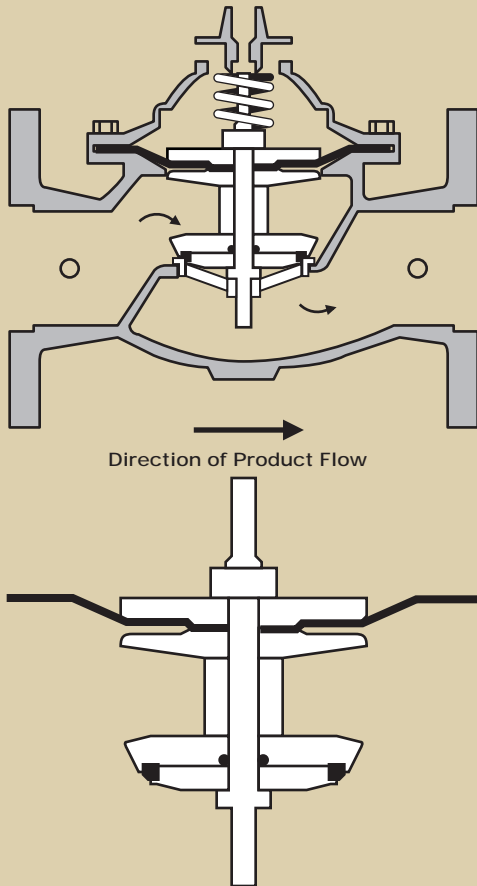


DIAPHRAGM GLOBE VALVE NORMALLY CLOSED

115 Series



General Specifications

Sizes: 2" - 16" Flanged fittings
 Ductile Iron: 150# F.F. Flange: ANSI B16.42/ 250PSIG
Standard Voltage: 120 volts AC.
 Explosion proof NEMA 7 coil housing.
Diaphragm and seals: Buna N or Viton
Minimum Pressure Differential: 5 psi

Valve Description

These ductile iron bodied valves are designed for heavy duty, high flow, pressure applications. The control valve is a diaphragm actuated, globe patterned valve that is ideal for controlling product flow in a desired direction, such as anti-siphon, overfill protection, or various product transfer applications.

The main valve's simple and efficient design consists of only four major components. The body, cover, interior seat and, the only moving part, the diaphragm/ stem assembly.

A synthetic rubber/ nylon anti-wicking diaphragm with a vulcanized center hole is assembled between the valve body and cover. This creates a sealed chamber into which line fluid and pressure is introduced. Varying the amount of pressure accurately positions the stem assembly to open, close or modulate the valve as required.

A cover bearing and integral seat bearing guide the stem assembly for precise alignment with the seat. Coupled with the characterized quad seal retainer plate this alignment assures progressive opening/ closing flows, stable throttling, low friction operation and positive closure.

The quad seal, retained on 3 1/2+ sides, is designed to allow an exposed seal quadrant to contact a non-edge seat. Positive closure is accomplished without the seat biting into the seat seal, adding years to the valve's life. Each quad seal has two usable quadrant.

The valves are fused epoxy coated. The coating is standard on all carbon steel and ductile iron main valves. The epoxy coating is non-porous and improves the flow coefficient of the valve and effectively seals the casting from interaction with the controlled liquid and the environment.

! WARNING !

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