



# **GLOBE STYLE SILENT CHECK VALVE OPERATION & MAINTENANCE MANUAL**

## **Figure 821**

Milliken Valve Company  
2625 Brodhead Avenue, Suite 100  
Bethlehem, PA 18020  
Phone: (610) 861-8803  
Fax: (610) 861-8094  
Website: [www.millikenv Valve.com](http://www.millikenv Valve.com)

## OPERATION & MIANTENANCE

### **Warning**

Individuals performing removal and disassembly should be provided with suitable protection from possibly hazardous liquids.

For the longest service life we suggest that our check valves be installed five to ten pipe diameters from any turbulence producing devices such as pumps, elbows, etc.

Before installing the check valve be sure its pressure rating is correct for the system and that the flanges (global type check valves) are the same. When installing silent check valves, be sure that the flanges of the connecting piping are square with pipe so that not undue stresses are put on the valve or piping when tightening flange bolts. Tighten bolts in sequence crossing to opposites.

The valve should be installed so that the direction of the arrow on the nameplate points in the same direction as the flow.

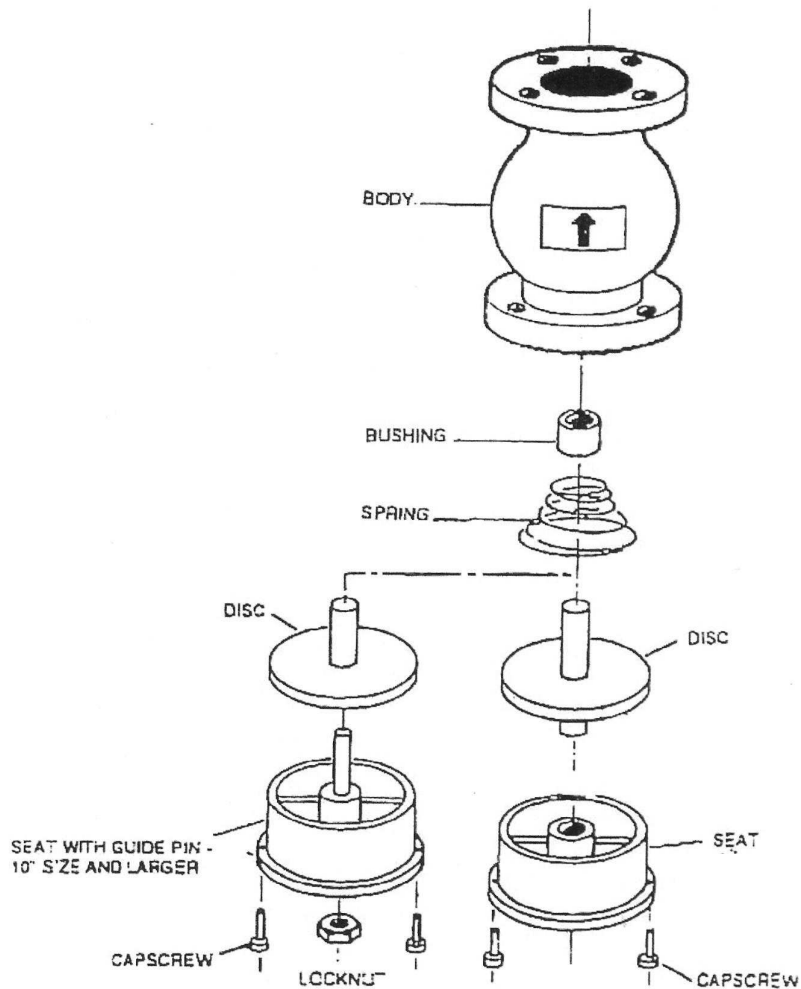
The action of the valve being controlled by the flow is automatic. Special operating instructions are not required.

The valve is provided with proper clearances for efficient operation. Should these clearances become enlarged it may be necessary to replace the worn parts. If the valve seat becomes worn through abrasion or scoring, consult the factory repair recommendations.

## OPERATION & MAINTENANCE

### Globe Type

Do not lift center guided type silent check valves by putting chains or straps around the seat assembly. The capscrews which hold the seat assembly are not meant to bear the weight of the whole valve. Place hooks in the flange holes or straps or chains around the body or flanges.



## OPERATION & MAINTENANCE

### **Fig 821 Globe Check Valve**

Pressure-Temperature Ratings: Class 125 to 12" 200 PSI @ 100°F

#### **Service Recommendations**

For liquid service in accordance with ANSI rated working pressures. For installation in pump suction or discharge piping. Spring automatically closes disc at zero flow before flow reversal occurs and prevents surge and water hammer.

#### **Features**

Completely guided disc-both top and bottom. Minimum open area through the valve equal to 110% of the area of corresponding pipe size. High lift disc-all sizes feature discs with lift 1/3" per inch of pipe size. Parts are replaceable in the field without special tools.

#### **Ordering Information**

We require all pertinent conditions relating to proposed use of the check valve. They are: operating pressure, temperature, flow rate or velocity and type of pump in the system. If corrosive fluids are involved, we should be advised. Consult factory for applications such as pump suction and volatile liquid handling.

#### **Installation**

Equally effective installed horizontally or vertically. Consult factory for downward vertical flow. We strongly suggest the installation of a strainer in the piping located ahead of the pump. This sound measure will insure protection for both the pump and working parts of the valve.

#### **Construction**

Made of Class B iron. Seats and discs are of bronze and guide pins and bushings are silicon bronze. Springs are stainless steel. Stainless steel trim is available.

#### **Individually Hydrostatically Tested**

#### **Materials**

Body	Cast Iron ASTM A126 Grade B
Disc	Bronze ASTM B62 (type 85-5-5-5)
Spring	302 Stainless Steel ASTM A-276

#### **Spare Parts**

When ordering spare parts be sure to include size, model number, and pressure class which appear on the nameplate. Parts should be identified from parts list drawings which will be furnished on request.