

GC SERIES SILENT CHECK VALVES

Preventing Flow Reversal to Limit Water Hammer and System Surges

Ideal for use on Municipal Water Systems, Industrial Class HVAC-Liquid Service applications, Industrial Piping Systems and Irrigation Systems, Crispin's Globe Check Series Silent Check Valves prevent flow reversal, which eliminates water hammer and system surges associated with valve closure. Fully automatic, spring-loaded and double-guided, the valves open as the pump starts, and close just prior to flow reversal upon pump outage. With standard ductile iron bodies, and 316 stainless steel disc, shaft, bushing and seat, all internal parts of the Globe Check Valves are field replaceable for ease of maintenance. In addition, the GC Series is designed so that a butterfly valve may be used downstream without the use of a space flange or spool piece. This feature is available in sizes thru 10".

The GC Series features a ductile iron body with flanged ends (Class 150 or Class 300) that bolt into a pipeline Resilient Seats are also available, and are highly recommended for potable water or drip tight applications.

SERVICE APPLICATIONS

- ✓ Municipal Water Systems
- ✓ Industrial Class HVAC-Liquid Service
- ✓ Industrial Piping Systems
- ✓ Irrigation Systems

GC SERIES ADVANTAGES

- ✓ Limits the Effects of System Surges on Air Release Valves
- ✓ Available in Sizes 3"-36"
- ✓ CL 150: 250 PSI Maximum Working Pressure
CL 300: 640 PSI Maximum Working Pressure
- ✓ Ductile Iron Construction with Stainless Steel Trim Standard

PRESSURE TESTING

Sizes 3"-12"		
TEST	CLASS 150	CLASS 300
Non Shock Gage Pressure	300 PSI [20.7 BAR]	500 PSI [34.5 BAR]
Shell Test Pressure	375 PSI [25.9 BAR]	750 PSI [51.7 BAR]
Seat Test Pressure	250 PSI [17.2 BAR]	500 PSI [34.5 BAR]
Sizes 14"-36"		
TEST	CLASS 150	CLASS 300
Non Shock Gage Pressure	250 PSI [17.2 BAR]	400 PSI [27.6 BAR]
Shell Test Pressure	375 PSI [25.9 BAR]	600 PSI [41.4 BAR]
Seat Test Pressure	250 PSI [17.2 BAR]	400 PSI [27.6 BAR]

GC SERIES OPTIONS

- ✓ Aluminum & Bronze Trim Available
- ✓ Buna-N or Viton Resilient Seating Available
- ✓ Optional 2 Part High Solids Epoxy Coating
- ✓ AIS & Buy American Act Configurations

PRESSURE RATING

- ✓ ANSI B16.1
B.S. 4504
DIN PN 10, PN 16 and PN 25

MAX. TEMPERATURE RATING

- ✓ 150°F (65°C)



PRODUCT LINE GC SERIES GLOBE CHECK VALVE, 3"-36"	DATE 1/18/2024	REVISION 0
SHEET GC Series Design Features	DOC. NO. D-CV-GC-DF-r0	