

True Union Ball Check Valve

Ball Check Description

The Ball Check valves prevent backflow or drain down in the system. The true union provides easy access for in-line installation and servicing. The true union ball check is designed for quick positive sealing with minimum turbulence, low restriction, and efficient fluid transfer. It can be installed vertically or horizontally. System pressure will unseat the ball, allowing flow. Backflow or head pressure of 30" or 1 to 2 psi will seat the ball and stop back flow. Each check valve ships with female thread and socket adapters. This valve is manufactured 100% from thermoplastic materials, making it less susceptible to corrosion.

Ball Check Valve



Ball Check Model No.	Inlet/Outlet Size (FPT or socket)	Length (inches)	Height (inches)	Max Temp	Weight (lbs.)
CV-B-05	0.5"	3.50"	2.0"	140 °	0.75
CV-B-10	1.0"	5.09"	2.31"	140 °	1.1
CV-B-15	1.5"	6.59"	3.81"	140 °	2.2
CV-B-20	2.0"	7.53"	4.22"	140 °	3.0

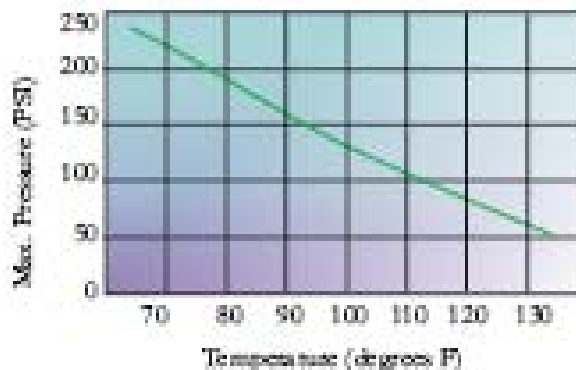
Ball Check Specifications

All thermoplastic check valves shall be True Union Ball type constructed from PVC Type I Cell Classification 12454. Socket end connections are manufactured to ASTM D2467-94. Threaded connections are manufactured to ASTM D2464-88. The O-Ring seat shall be Viton®. All valve components shall be replaceable. The check valve shall be pressure rated at 235 psi, non-shock water at 73° F.

Ball Check Installation

Connection - Each Geoflow ball check valve ships with female thread and socket adapters. Install in a box for easy access. It is recommended that these check valves be installed no closer than 10 pipe diameters from a pump and no closer than 5 pipe diameters from an elbow.

True Union Ball Check Maximum Pressure Rating at Given Temperature



Spring Check Valve

Spring Check Valve Description:

The spring check valve is used to prevent backflow and siphoning. The ½ pound stainless steel spring maintains a positive seal, even when no back pressure is present. Minimum of 2 psi required to open the valve.

Spring Check Valve



Spring Check Model No.	Inlet/Outlet Size (FPT or socket)	Length (inches)	Height (inches)	Max Temp
CV-S-05	0.5"	4.13"	2.22"	140 °
CV-S-10	1.0"	5.25"	2.88"	140 °
CV-S-15	1.5"	5.9"	3.89"	140 °
CV-S-20	2.0"	7.0"	4.29"	140 °

Spring Check Specifications

Thermoplastic Spring check valves shall be constructed from PVC Type 1, cell class 12454 material conforming to ASTM D-1784. Seals shall be EPDM. Valves shall have socket end connections for solvent weld. All Spring check valves shall be pressure rated at 150 psi at 73 degrees F. All spring check valves shall require 2 psi to open.

Spring Check Installation

Connection - FIPT slip connections. Install in a box for easy access. It is recommended that these check valves be installed no closer than 10 pipe diameters from a pump and no closer than 5 pipe diameters from an elbow

Spring Check
Maximum Pressure Rating at
Given Temperature

