

Check Valve

561 Series

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Function

Check valve makes it easy to change components attached to a hydronic system under pressure.

Technical Characteristics

Connection: 1/2" NPT Male x 1/2" NPT Female

Material: Body	Brass
Seals	peroxide-cured EPDM
Spring	Stainless steel
Maximum Working Pressure:	150 psi (10 bar)
Maximum Working Temperature:	230°F (110°C)

This item is designed for use in closed hydronic systems. Do not use in plumbing applications. This item does not meet the low-lead plumbing standards of U.S. and Canada.



SAFETY INSTRUCTION

This safety alert symbol will be used in this manual to draw attention to safety related instructions. When used, the safety alert symbol means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED! FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN A SAFETY HAZARD.**



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



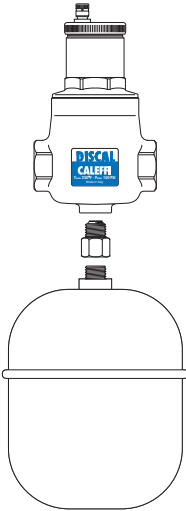
CAUTION: All work must be performed by qualified personnel trained in the proper application, installation, and maintenance of systems in accordance with all applicable codes and ordinances.



CAUTION: Over-tightening and breakage can occur with the use of Teflon® pipe joint compounds. Teflon® provides lubricity so that care must be exercised not to over-tighten joints. Failure to follow these instructions could result in property damage and /or personal injury.



WARNING: System fluids are under pressure or temperature can be hazardous. Be sure the pressure has been reduced to zero and the system temperature is below 100°F (38°C). Failure to follow these instructions could result in property damage and/or personal injury.



Installation

The male threaded of check valve are installed into the system while the system is drained and the temperature is below 100°F (38°C). The desired component is threaded into the female threads of the check valve. As the component is threaded into the check valve, it pushes the spring loaded valve open. In a typical installation, the check valve is mounted in the vertical position to the bottom tap of an air separator between the expansion tank.

When the component is removed, the check valve closes, maintaining the sealed system. When removing the component, make sure valve does not unthread from the system. It is important to reduce the system pressure before removing any component.



CAUTION: Corrosion or leakage can cause damage or injury. Periodically inspect for signs of corrosion or leakage. If corrosion or leakage is note, the vent must be replaced. Failure to follow these instructions could result in property damage and/or personal injury.

Service Instructions

There is no service required for the check valve.



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