



INSTALLER: PLEASE LEAVE THIS MANUAL FOR THE OWNER'S USE.



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.**

DESCRIPTION

The Check-Trol™ Flange is a combination of an isolation valve, a spring check valve and a companion flange for circulators. The Check-Trol™ flange allows easy service or replacement of the circulator without the need to drain the system. The spring check valve prevents system fluid from flowing in the wrong direction or unwanted direction. The spring check valve also prevents gravity flow.

INSTALLATION INSTRUCTIONS

1. Install the Check-Trol™ Flange on the discharge side of the pump with arrow pointing in the direction of flow (the Check-Trol™ Flange has "Check-Trol™" written on handle). Install the Isolation Flange (without Check Valve) on the suction side of the pump.
2. See the following installation instructions and drawings for additional information.



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

3. Apply torque in even increments to both flange bolts. Refer to the pump manufacturer's instruction manual for torque value. Both the suction and discharge flanges must be torqued in this manner.



WARNING: To prevent leakage, make certain that the flange bolts have been adequately torqued. Failure to follow these instructions could result in personal injury and/or property damage.

For Check-Trol™ & Isolation Flange NPT Connections:

- a) Apply pipe compound conservatively to the male connecting fittings only.
- b) Upon completion of valves installation to piping, check connections for leaks.



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.

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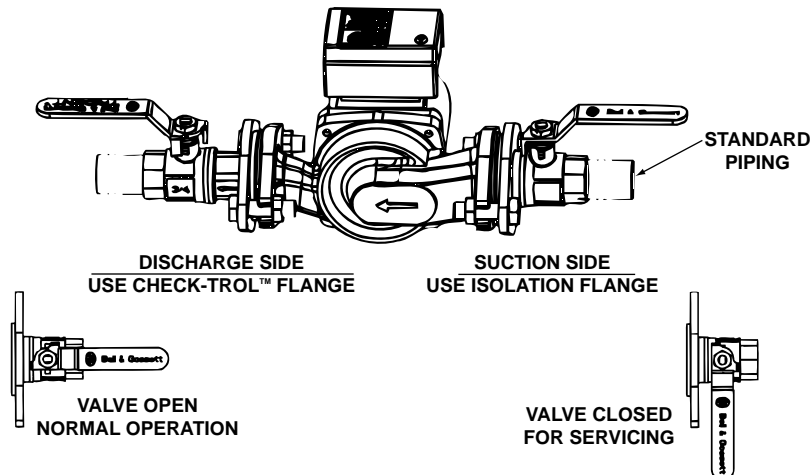
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For Check-Trol™ & Isolation Flange Sweat Connections:

- Clean tube ends and valve connections thoroughly per good piping practices with a fine grade emery cloth or fine grit sandpaper.
- For soldering, use 95-5 (Tin-Antimony) solder and a good grade of flux.
- Use a torch with a sharp pointed flame.
- When sweating joints, first wrap the valve body with a cool wet rag, then direct the flame with care to avoid subjecting the valve to excessive heat. Allow the valve to cool before touching or operating.
- Check the soldered connections for leaks.



CAUTION: Heat associated with the use of silver solder may damage valve and void the warranty. Do not use silver solder. Failure to follow these instructions could result in property damage and/or moderate personal injury.



OPERATING INSTRUCTIONS

To isolate the circulator from the system, turn the handle of both isolation valves clockwise 90° to close the valve. Remove circulator for repair/replacement.

IMPORTANT: Relieve pressure from the circulator by slowly loosening the bolts allowing the water to slowly drain from the pump body. Refer to the circulator instruction manual when reinstalling a circulator. After a pump is reinstalled, turn the handle of both isolation valves counterclockwise 90° to open the valves for normal operation.

SERVICE INSTRUCTION

There is no service required for the Isolation or Check-Trol™ flanges.



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



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