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PISTON CHECK VALVES

INSTALLATION, OPERATION, AND MAINTANCE

INSTALLATION/OPERATION

Remove shipping protectors from end connections. Check interior of the valve through each end for foreign objects and/or shipping braces.

All Tom Wheatley Valve Company standard Piston Check Valves are designed for horizontal service. Piston Check Valves must be specifically ordered for vertical flow when intended for that service.

HORIZONTAL SERVICE: Valves should be installed with inlet and outlet at the same level and the bonnet/cover facing upward for proper action. The valve must be installed with the arrow on the body pointing in the direction of intended flow. Horizontal flow is the preferred orientation for piston check valves.

VERTICAL FLOW: Check Valve is installed with the arrow pointing in the direction of intended flow. User must specify, when ordering if valve is intended for Vertical flow.

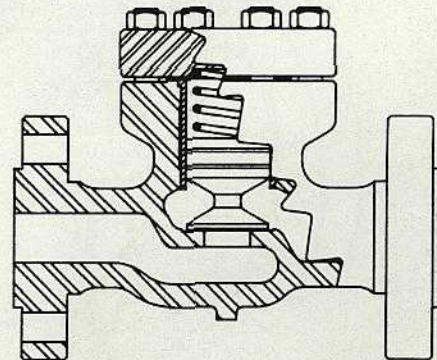
Clean the end connections and mating pipe thoroughly prior to assembly. Proper support of the valve and/or pipe should be provided to eliminate strain on end connections.

Pressures in excess of the working pressure should not be applied to the closed piston. All valves have been hydrostatically tested to 1-1/2 times the rated working pressure. Operating temperatures should not exceed 300°F (149°C) continuous or 350°F (177°C) intermittently. Specify when ordering if operating temperatures exceed the above.

MAINTENANCE

Tom Wheatley Piston Check Valves require minimum maintenance due to simplicity of design and rugged construction. Recommended spare parts kit consists of piston seal, and cover seal.

ASSEMBLY/DISASSEMBLY
See Reverse Side





ASSEMBLY/DISASSEMBLY

- A. Remove the cover.
- B. Lift piston and liner assembly out of body (use eye hole in center of piston if necessary). Remove piston from liner and remove check valve and orifice(s) from piston.
- C. Inspect seals and sealing surfaces for foreign material, nicks and/or gouges.
- D. Check body seat face for wear or damage.
- E. Replace any parts showing signs of damage, excess wear or deterioration.
- F. Reassemble in reverse order.

