



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 swing check valves are designed for horizontal service. Swing 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 clapper action. The valve must be installed with the arrow on the body pointing in the direction of intended flow.

VERTICAL FLOW UP: Check Valve is installed with the clapper seat end down and the arrow pointing up.

VERTICAL FLOW DOWN: Counterbalance and weight arm must be provided to insure proper operation. Do not obstruct the movement of the counterbalance arm.

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.

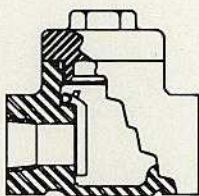
Pressures in excess of the working pressure should not be applied to the closed clapper. All valves have been hydrostatically tested to 1-1/2 times the rated working pressure. Operating temperatures should not exceed 300°F (149°C) continuous or 350°F (177°C) intermittently. Specify when ordering if operating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

MAINTENANCE

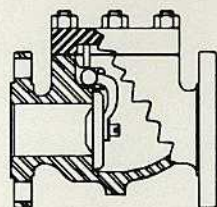
Tom Wheatley swing check valves require minimum maintenance due to simplicity of design and rugged construction. Recommended spare parts kit consists of clapper, clapper seal, clapper shaft and bushings, and cover seal. If the valve has a removable seat as indicated by a four digit figure number (15XX), a seat ring and seat ring seal are also required.

INSPECTION/REPAIRS

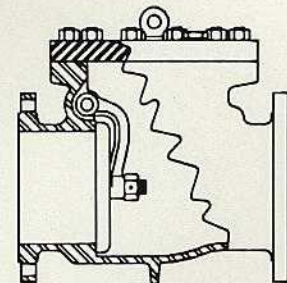
- A. Remove the cover
- B. (4" and smaller) Lift clapper assembly out of hanger pocket.
(6" and larger) Remove shaft retaining plug, shaft and clapper assembly.
- C. Inspect seals and sealing surfaces for foreign material, nicks and/or gouges.
- D. Check hanger pocket and body seat face for wear or damage.
- E. Replace any parts showing signs of damage, excess wear or deterioration.
- F. Reassemble in reverse order.



SCREWED TOP
(4" & SMALLER)



BOLTED TOP
(4" & SMALLER)



BOLTED TOP
(6" & LARGER)