

THREADED SWING CHECK VALVES



E N G I N E E R E D F O R Q U A L I T Y & E X C E L L E N C E



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TVC Threaded Swing Check Valves

The **Threaded Swing Check Valves** comes in ductile iron and carbon steel. The design provides a field repairable, high quality, low differential check valve. TVC threaded check valves come in 1" through 3" and are NACE compliant.

The pressure classes differ per the material classes:

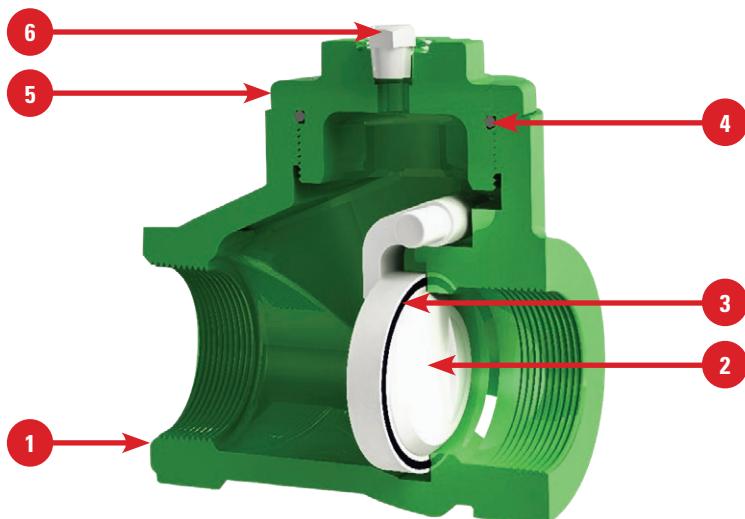
Ductile Iron: 300# to 2000# Working Pressure Range

Carbon Steel: 720# to 3600# Working Pressure Range

The TVC Swing Check Valves are manufactured to be **Tiger Tough**, insuring consistent performance through the life of the valve.

Standard Features:

- Stainless Steel Trim
- Top Entry Design
- Field Serviceable
- HNBR Sealed Cap
- Plugged Port on Cap



Material Specifications

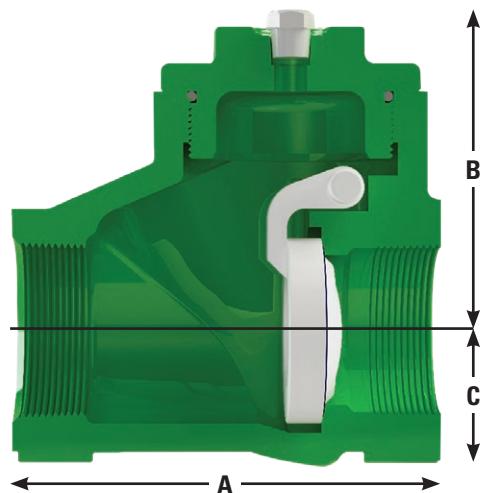
| No. | Part | Ductile Iron | Carbon Steel |
|-----|-------------------|------------------------|----------------------|
| 1 | Body | ASTM A395 Ductile Iron | ASTM A216 WCB |
| 2 | Clapper | CF8M Stainless Steel | CF8M Stainless Steel |
| 3 | Clapper Seal | HNBR | HNBR |
| 4 | Cover Seal O-Ring | HNBR | HNBR |
| 5 | Cover | ASTM A395 Ductile Iron | ASTM A216 WCB |
| 6 | 1/4 Pipe Plug | 4140 | 4140 |

Manufactured to the Following Specifications:

- ISO 9000 Quality System
- API 6D Specification for Pipeline Valves
- ASME B16.34 Valves-Flanged, Threaded End
- ASME B16.5 Pipe Flanges and Flanged Fittings
- NACE MR0175 Sulfide Stress Cracking Resistant Metallic
- Materials for Oilfield Equipment

Flow Coefficients

| SIZE | CV |
|------|------|
| 1" | 60 |
| 2" | 240 |
| 3" | 665 |
| 4" | 1300 |



| MATERIAL | Size | End | Working Pressure (psi) | Weight (lbs) | Dimensions (in) | | |
|--------------|------|-----|------------------------|--------------|-----------------|------|------|
| | | | | | A | B | C |
| Ductile Iron | 1" | NPT | 2000 | 6 | 4.25 | 3.56 | 1.30 |
| | 2" | NPT | 2000 | 13.2 | 6.00 | 4.31 | 1.88 |
| | 3" | NPT | 2000 | 29.2 | 8.00 | 5.50 | 2.56 |
| WCB | 1" | NPT | 3600 | 6.2 | 4.25 | 3.56 | 1.30 |

Ball Valves

- Flanged Trunnion Ball Valves
- Flanged Floating Ball Valves
- Metal Seated

Shut-Off Pig Valves

- Launchers
- Catchers
- Receivers

Butterfly Valves

- Soft Seat
- Sizes 2" thru 24"
- Pressure Rating 200psi
- Wafer body
- Lugged body

Actuators

- Rack & Pinion
- Max. Torque D.A. – 55,600 lbs. in.
- Max. Torque S.R. – 20,700 lbs. in.
- Scotch Yoke per application



API-6A Wellheads

- Casing Heads
- Casing Hangers
- Tubing Heads
- Tubing Hangers
- Spools
- Components
 - Tees (Standard)
 - Crosses
 - Tree Caps
 - Goat Heads
 - Seal Subs
- Additional Components Available

API-6A Gate Valves

- Expanding
 - 2,000 to 5,000 PSI
 - 2-1/16" – 7-1/16"
- Slab
 - 10,000 to 15,000 PSI
 - 1-13/16" – 4-1/16"
- Ball Screw Frac Valves
 - 10,000 to 15,000 PSI
 - 4-1/16" – 7-1/16"

Actuated Safety Valves

- Hydraulic
- Piston
- Diaphragm
- Upper Assembly
- Automated Valve Assembly
- Electro/hydraulic

Parts for all Products and Technical Engineering Support Available

Limited Product Warranty



Tiger Valve Company (TVC) manufactured products warrants for, (a) twelve (12) months from date of installation or (b) eighteen (18) months from date of sales, whichever period expires first, to be free from defects in workmanship and materials, not caused or resulting from improper usage or application, provided all equipment is maintained in accordance with TVC "Valve & Equipment Storage Procedure".

Any repair work performed by TVC is warranted for twelve (12) months after completion of such repairs and applies only to work performed. Should TVC receive notice from Buyer within these twelve (12) months of any alleged defect in or nonconformance of any repair, then Buyer shall return the part or product to TVC specified service location at TVC request.

In the event TVC shall determine that the product is defective as a result of factory workmanship based upon such examination of the product which TVC may deem appropriate, TVC shall thereupon, at its sole option, (a) cause the defective product to be repaired, (b) replace with a substantially identical

product, or (c) accept the return of a defective product and refund the purchasing price to the original purchaser. TVC shall bear all normal surface transportation costs to the original purchaser but shall in no event bear any installation, re-installation, engineering or other costs incurred in connection with repair or replacement.

TVC warranty liability shall be limited to repair, replacement or refund and shall not include claims for labor costs, expenses of Buyer resulting from defects, recovery under general tort law or strict liability or for damages resulting from delays, loss of use or other direct, indirect, incidental or consequential damages of any kind.

TVC will not be responsible for failures of products which have been in any way tampered with or altered by anyone other than an authorized representative of TVC utilizing the TVC Installation and Maintenance Procedure (IOM).

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, STATUTORY OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE WHICH EXCEED THE FOREGOING WARRANTY.

If you have questions regarding this warranty or if you need additional information concerning Tiger Valve Company products or services, please contact us at the address and number below.

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