

MODEL TE-4

ONE PIECE TOP ENTRY IN-LINE REPAIRABLE

Power Generation - a monumental operation. Leaky valves equates-to-loss of energy and loss of money. Replacing a valve is often more costly than the valve itself.

Cornerstone Valve has solutions for your most extreme utility challenges.



**60 MONTH (5 YEAR)
ZERO-LEAKAGE
GUARANTEE**

Bore Sizes (Full and Reduced; Cv Considered)
1/2" to 4" (Larger sizes available upon request)

Pressure Class
ANSI/ASME 150 - 4500 B16.34

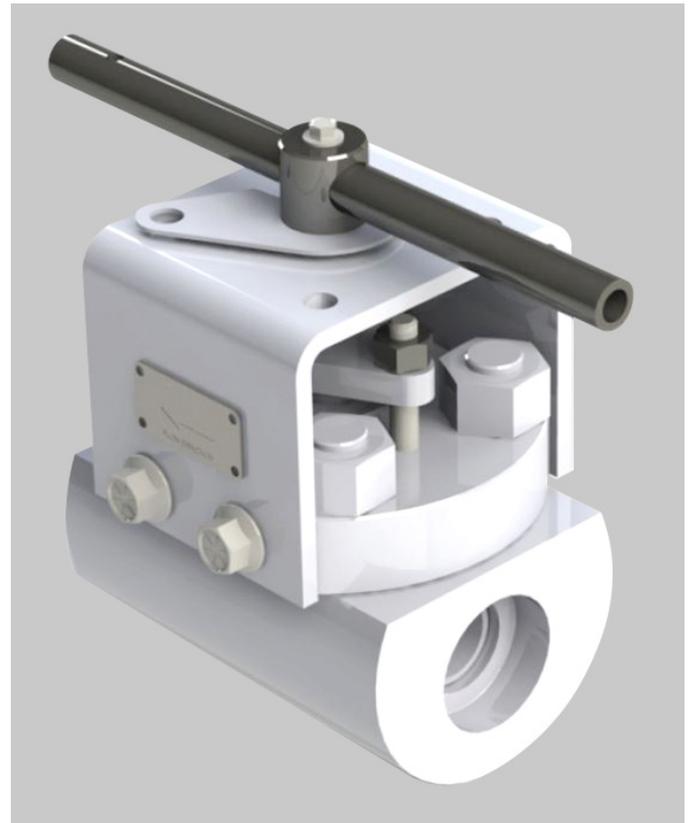
Temperature
(-) 20° F to (+) 1,350° F (or higher)

End Connections
Socket Weld & Butt Weld Ends | RF | RTJ |
ANSI B16.5 | ANSI B16.11

Leakage
ZERO LEAKAGE: Type-tested with high pressure Nitrogen gas, achieving zero bubbles

Materials
Carbon Steel, Stainless Steel, Inconel, Chrome Molybdenum, Nickel based alloys and other exotic alloys not mentioned available upon request

Actuation
Manual using "Fits-Only-One-Way" Lever Op, Gear Op, Pneumatic, Hydraulic, Electric



2ND GENERATION | FLOATING BALL | TOP ENTRY



STANDARD FEATURES

- One-piece, rigid body design for optimal strength. Minimizing leakpaths under pipe stress/flexing in service.
- Metal-to-metal body/bonnet seal: Zero Leakage, "Bubble Tight".
- The valve body can remain welded while internal parts are replaced.



24-H SUPPORT

Call (281) 880 8188

FEATURES

- Top-Entry, Truly In-Line Repairable, Floating Design
- From (-)20° F to (+)1,350° F (Higher Temp. Available)
- Rigid Body design holds tight under pipe stresses
- Truly In-Line repairable: No need to “cut the valve out” of service when maintenance is required (unlike End-Entry uni-body and 3-pc designs)
- Proprietary metal-to-metal, pressure energized, C-Lock Bonnet Seal with self alignment seal memory
- 360° lapped eliminating coating transition peaks (eliminate high friction/torques when cycled)
- Modular trim kit allows for simple, deliberate repair of a factory trim-set
- Scalable design for use in larger applications
- Quick, quarter-turn operation mitigates damage from high velocities across seating surfaces (unlike slow opening linear valves)
- Available with weld pups factory installed - eliminate field welding
- Valves include a FA07 to FA25 Pattern mounting bracket/removable lever as standard

OUR VALVES WORK

Cornerstone Valve, a division of NSM Inc. designs and manufactures specialty ball valves for severe service applications in Industrial and Defense markets.

Our core competency is custom engineered, fit-for-purpose unique solutions. Founded in 1990, Cornerstone Valve has proven to be a leader in custom engineered ball valves built around very challenging applications and providing value addition to our customers. As a Employee owned company, each of our employees prides themselves in the success of our clients and our company.



INDUSTRIES SERVED

- Oil & Gas Production
- Oil & Gas Topside
- Oil & Gas Subsea
- Oil & Gas Cryogenic
- Power Generation
- Refining
- Chemical & Petrochemical
- Pulp & Paper
- Mining
- Aerospace
- Maritime



6D-0164
6A-0321
6A PSL 1, 2, 3, 3G
API 6DSS-0073



24-H SUPPORT

Call (281) 880 8188

1535 Industrial Drive
Missouri City, TX 77489

Fax: (281) 880 8191
sales@cornerstonevalve.com

www.cornerstonevalve.com