

The ultimate process valves

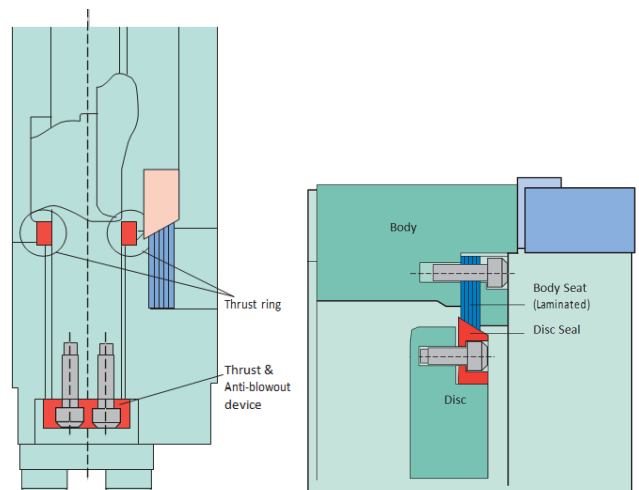
TRITEC



150/300/600/900/1500/2500lb Range

Features and benefits

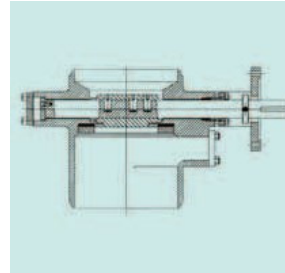
- Triple offset and ellipsoidal sealing geometry
- Bi-directional zero leakage
- Inherently firesafe
- Developed geometry results in:
 - Zero Seat/Seal friction
 - Low Torques
 - Extended Service Life
 - Continued Seal through Thermal Cycling
 - Torque Seating
- Excellent flow and throttling characteristics covering services from cryogenic to high temperature
- Excellent control of fugitive emission by virtue of rotary stem movement and advanced packing materials less than 10ppm on fugitive emission test to cover EPA21
- Other tests available on request
- Firesafe to BS6755 part 2 / API 6FA and API Std 607 4th Edition
- Available fully rated to class 1500lb
- Fully rated for end of line duty
- Standard materials conform to NACE, all exotic materials also available
- Laminated seat is mounted in the body, removing it from the erosive effects of the flowing media
- Seat is self centering “floating” design
- Both seat and seal are field replaceable without special tools
- Unique elliptical bolting pattern allows foolproof replacement of seat and seal
- Gasket sealing face is completely uninterrupted by fixings
- Suitable for use with spiral Wound gaskets and all flange finishes including RTJ
- Antiblowout device on shaft
- ISO mounting flange allows easy fitting and changing of operators
- Operator is bolted and doweled to prevent radial movement and subsequent loss of seating torque
- Body counterbore and seat bolting arranged elliptically to ensure equal support, gasket land and gasket loading all around the elliptical edge of the laminated body seat
- Inboard AND outboard thrust mechanisms prevent decentralising of disc, even under high temperature and line pressure
- By eliminating seat-seal friction on seating, Tritec removes the “Blind Zone” and increases the rangeability or controllable range to the full 90° of movement. The rotation geometry and inboard bearing design reduce the effect of dynamic torque and mechanical noise vibration, increasing midrange control accuracy. Cavitations and noise reducers are available to complement the Tritec valve under high pressure drop process situations.



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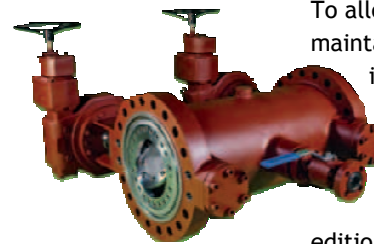
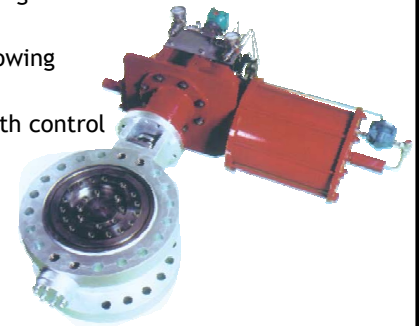
Standard Specification

Design	API 609, BS 5155, ANSI B16.34, ASME SEC VII
Valve Sizes	3"(80mm)~60"(1500mm) for larger sizes please contact V-Flow Solutions Ltd.
Pressure Classes	ANSI 150Lb, Class 2500Lb, PN6 to PN400
Body Styles	Lugged / wafer flangeless / double flanged / butt weld end
Flange Accommodation	ANSI B16.5: 2" - 24" ANSI B16.47 Series A&B: 26" - 60" JIS 10K, 20K, 30K. MSS, API, BS, DIN, PN, ISO also available on request
Face to Face Dimensions	LUG & WAFER Type API Std 609 Table 2: 3" - 24" API 609 Table 1: 30", 36", 42", 48" ISO 5752 Wafer Short: 28", 32", 40" Double flanged type ISO 5752/BS 5155 Double Flange Short ISO 5752 Gate Valve Short (Basic series 3) on request. ANSI B16.10
Pressure Temperature Ratings	ASME/ANSI B16.34: for steel AMSE/ANSI B16.24: for bronze Working Temperature Range as Standard: -29°C (-20°F) to 538°C (1000°F) With selection of suitable materials -100°C (-148°F) to +700°C(1292°F) For Cryogenic range -196°C(-320°F) please contact V-Flow Solutions Ltd.
Pressure Tests	Shell Test, Seat Test API Std 598, ANSI B16.34. Seat Leakage Rate API Std 598, ISO 5208 Rate A, ANSI B16.104 (ANSI/FCI 70-2) Class VI
Firesafe	Certified Firesafe to BS 6755 Part 2/API 607 4th Ed
Marking	API Std 609 MSS SP-25
Operators	Manual, Electric, Pneumatic, Hydraulic



Top Entry Valves
Allowing complete maintainability on valves which are welded into line. Available on standard and cryogenic ranges.

Control Valves
Frictionless seating means increased rangeability, allowing the Tritec valve to perform in both control and isolation applications.



Double Isolation Valves
To allow verifiable maintainable shut-off in critical isolation applications. Firetested to BS 6755 part 2/ AP16FA & AP1607 4th edition.

Steam Jacketed Valves
To maintain process temperatures ensuring media remains fluid. Disc and shaft steam tracing as an option.

