Trunnion Ball Valve Multiple way - Multiport valves

Diverter and mixing valves ideal for flow switching and bypass operations with seals at every port, widely used in the Petrochemical and Refinery industries with highly viscous media or processes that have to continuously back flush their process lines.



STANDARD FEATURES

Construction	Bolted body
Port	Reduced bore, full bore or fully piggable
Stem retention	Anti-blow-out stem
Leakage rate	ISO 5208 rate A soft seated, rate B, C, D metal seated
Antistatic device	Included, the ball valve design includes an electric conductive connection between the internal parts of the ball valve and the body, providing the anti-static function.
Pressure relief	Not foreseen for this model
Sealing	Metal seated with Tungsten Carbide, Chrome Carbide or Stellite coatings; Soft seated with thermoplastic polymers (Nylon, PEEK, PCTFE or other upon request), special polymers upon request Elastomers FKM, HNBR, EPDM O-Rings, special elastomers upon request
Drain	Drilled and threaded connections for all sizes
Vent	Drilled and threaded vent connections for sizes ≥ DN150 (6") < DN150 upon request
Stem grease injectors	Included for all sizes - where needed
Seat grease injectors	Included for sizes ≥ DN150 (6") < DN150 upon request
Lifting points	Included for sizes ≥ DN150 (6") or on valves of 250kg min
Support feet	Included for sizes ≥ DN150 (6") or on valves of 250kg min
Stem extension	In line with temperature conditions
Valve operation	Lever, Gear box or Actuator with position indicator and locking device - as needed
Material testing	Pressure containing & controlling parts to EN 10204 3.1 Materials in Sour Service according to NACE MR0175, MR0103, ISO 15156 Non-destructive testing (NDT) to API 6D, ASME B16.34
Valve testing	Hydrostatic & pneumatic testing to API 6D, ASME B16.34, ISO 5208 (other upon request)

GENERAL CONSTRUCTION

ERREESSE Multiport valves are engineered to switch critical processes and difficult media. They are often in 3, 4, 5 or 6-way construction with T, L, Y, X port, mostly used to split or combine process flows or to switch medium between alternative pieces of process equipment such as pumps, filters, strainers, meters, heat exchangers or complete pipelines, direct flow out of or into storage tanks, shutoff flow from different locations, in severe operating conditions with high flow rates, at high pressure and critical temperature conditions. Multiport valves can also be tandem or manifold mounted to further centralize control, also combined with smart positioners, jacketing, and automated control panels, suitable for electric, hydraulic or pneumatic actuation.

MATERIALS OF CONSTRUCTIONS

Low Temperature and Low Alloy Carbon Steel Stainless steel, Duplex and Super Duplex Nickel alloys , Titanium, Bronze
TECHNICAL

TECHNICAL DATA

Design	API 6D, API 6DSS, API 6A, ASME B16.34, ISO 14313, ISO 10423, ISO 17292
Design pressure	ASME B16.34, EN 1092-1, ISO 17292
Body wall thickness	ASME B16.34, ASME VIII Div. I, ISO 17292
Face to Face	API 6D, ASME B16.10 Long pattern
Temperature range	-196° to 700°C (-126° to 371°F)
Pressures range	PN20 (ANSI 150) to PN420 (ANSI 2500)
Size range	DN15 (1/2") to DN150 (6")
End connections	ASME B16.5 ≤ DN600 (24") Flanged RF,FF,RTJ MSS-SP-44 = DN550 (22") Flanged RF,FF,RTJ ASME B16.47 A ≥ DN650 (26") Flanged RF,FF,RTJ ASME B16.25 Butt-Weld BW Clump (HUB)

APPLICATIONS

- **UTILITY**
- **CORROSIVE & DIRTY + HIGH TEMPERATURE**
- **LOW TEMPERATURE + CRYOGENIC**
- **HIGH PRESSURE**

APPROVALS

Safety Integrity Level	SIL 3
Fire Safe	API 607, API 6FA, BS 6755, ISO 10497-5
Area Classification	ATEX 94/9/EC
Pressure Equipment Directive	PED 97/23/EC
Fugitive Emission	ISO 15848/1

All data stated in this sheet are subject to changes and amendments which will be not notified and are for general information only.
Erreesse disclaims any liability for damages occurred due to his wrong use and interpretation.
Erreesse s.r.l. Via delle Betulle 8A/8B/8C, 28075 Grignasco (NO) Italy - 0039 0163 415901 - 0039 0163 415941 - sales@erreesse-valves.com