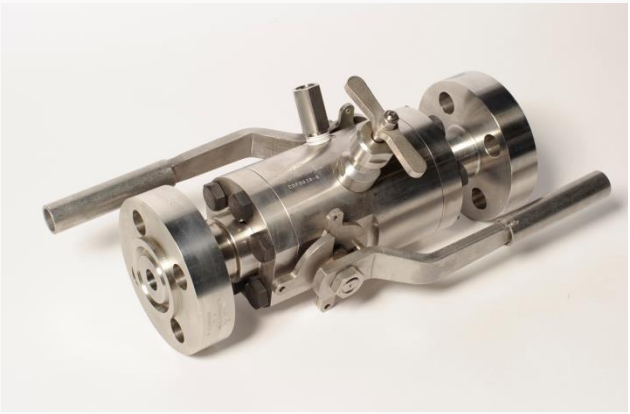
Floating Ball Valve Side Entry Modular Body (DBB)

Valves suitable for Oil & Gas production, processing, transportation, distribution, chemical and petrochemical refining including system isolation, pressure level and flow measurement, instrument drain, chemical injection and sampling for smaller sizes.



GENERAL CONSTRUCTION

Floating ball valves have the obturator free from axial constraints and it is supported between two soft seat inserts; under pressure the ball compresses the downstream soft insert to obtain the sealing; these valves are generally recommended for use in clean service with limited sizes and ratings. Erreesse production range offers a wide selection of models and construction suitable for critical services also. Erreesse modular double block & bleed (DBB) valves are engineered and manufactured to provide a compact and reliable alternative to multiple instrument valve systems, reducing leak paths and saving installations and maintenance costs.

MATERIALS OF CONSTRUCTIONS

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

APPLICATIONS

- UTILITY
- CORROSIVE & DIRTY
- LOW TEMPERATURE
- HIGH PRESSURE

STANDARD FEATURES

Construction	Modular body
Port	Reduced bore, full bore or fully piggable
Stem retention	Anti-blow-out stem
Leakage rate	ISO 5208 rate A soft seated, rate 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 on valve models VD2 – VDB soft seated Self-relieving seats on valve models VDA metal seated
Sealing	Bi-directional VDA: Metal seated (Tungsten /Chrome Carbide coatings) VDB: Soft seated with thermoplastic polymers (RPTFE, Nylon, PEEK, PCTFE), special polymers upon request PTFE Lip seals and Elastomers FKM, HNBR, EPDM O-Rings, special elastomers upon request VD2: Soft seated with thermoplastic polymers (RPTFE, Nylon, PEEK, PCTFE), special polymers upon request Elastomers FKM, HNBR, EPDM O-Rings, special elastomers upon request
Drain	Not foreseen for this valve model
Vent	Not foreseen for this valve model
Stem grease injectors	Not foreseen for this valve model
Seat grease injectors	Not foreseen for this valve model
Lifting points	Not foreseen for this valve model
Support feet	Not foreseen for this valve model
Stem extension	Not foreseen for this valve model
Valve operation	Lever, Gear box or Actuator with position indicator and locking device
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)

TECHNICAL DATA

Design	API 6D, API 6DSS, ASME B16.34, ISO 14313, 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	-50° to 200°C (-58° to 392°F)
Pressures range	PN20 (ANSI 150) to PN420 (ANSI 2500)
Size range	DN15 (1/2") to DN150 (6")
End connections	ASME B16.5 Flanged RF,FF,RTJ ASME B16.25 Butt-Weld BW ASME B16.11 Socket-Weld SW ASME B36.10 Plain-End PE ASME B1.20.1 Threaded NPT (F/M)

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
Construction	API 6D, API 6DSS

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