

BALL VALVES **TOP-ENTRY** SUBSEA

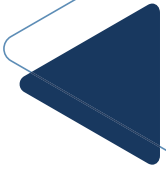
PetrolValves has an extremely large record of previous qualifications successfully performed:

- PR2 Design Validation Test according to API 6A / ISO 10423 Annex F
- Endurance Test According to API 17D
- Sand slurry test according to API 6A/ISO 10423 ANNEX I Class II
- Sand slurry test according to API 6AV1
- Hyperbaric Test according to API 17D Annex L or API 6DSS Annex
- A number of customized qualification Procedures

API 6DSS Design Standard

Ball support	Trunnion mounted	
Body Design	Casting Forging	
Seat type	Metal seated	Soft seated
Material Selection	LTCS or Low Alloy Steel + CRA Cladding Duplex, Super Duplex, Ni Alloy Forged TCC or CCC Hardfacing	LTCS or Low Alloy Steel + CRA Cladding Duplex, Super Duplex, Ni Alloy Forged PTFE / PEEK Insert
Seals / Gaskets	Elastomers Thermoplastics / Metallic	Elastomers
Design features	Full/Reduced Bore Bidirectional/Unidirectional Self Relieving / Double Piston Anti blow out stem Anti static device	Full/Reduced Bore Bidirectional/Unidirectional Self Relieving Anti blow out stem Anti static device
Special features	NACE Requirement Special bore Piggable Double Block and Bleed Double Isolation & Bleed Equalizing hole Stem Metal Gasket	NACE Requirement Special bore Piggable Equalizing hole
End connection	Flanged (RF / RTJ, compact, studded) Buttwelded ends Hub	Flanged (RF / RTJ, compact, studded) Buttwelded ends Hub
Operators	ROV operated gear Hydraulic actuator + ROV Override Electric multiturn	ROV operated gear Hydraulic actuator + ROV Override Electric multiturn
Product Range	#150 to 1500 - 2" to 42" #2500 - 2" to 30"	#150 to 1500 - 2" to 42" #2500 - 2" to 30"





▶ API 17D / 6A Design Standard

Ball support	Trunnion mounted	
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Material Selection	LTCS or Low Alloy Steel + CRA Cladding Duplex, Super Duplex, Ni Alloy Forged TCC or CCC Hardfacing	LTCS or Low Alloy Steel + CRA Cladding Duplex, Super Duplex, Ni Alloy Forged PTFE / PEEK Insert
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End connection	Flanged (RF / RTJ, compact, studded) Buttwelded ends Hub	Flanged (RF / RTJ, compact, studded) Buttwelded ends Hub
Operators	ROV operated gear Hydraulic actuator + ROV Override Electric multiturn	ROV operated gear Hydraulic actuator + ROV Override Electric multiturn
Product Range	2k to 5k - 1 ³ / ₁₆ " to 20" 10k - 1 ³ / ₁₆ " to 16" 15k - 1 ³ / ₁₆ " to 6"	2k to 5k - 1 ³ / ₁₆ " to 20" 10k - 1 ³ / ₁₆ " to 16" 15k - 1 ³ / ₁₆ " to 6"

