## ON/OFF VALVES



## 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

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





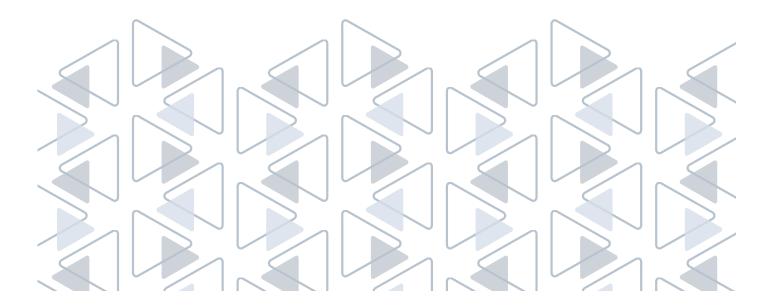
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### API 6DSS Design Standard





Ball support	Trunnion mounted	
Body Design	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 / Duoble 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	2k to 5k - 1 <sup>13</sup> /16" to 20" 10k - 1 <sup>13</sup> /16" to 16" 15k - 1 <sup>13</sup> /16" to 6"	2k to 5k - 1 <sup>13</sup> /16" to 20" 10k - 1 <sup>13</sup> /16" to 16" 15k - 1 <sup>13</sup> /16" to 6"





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