

# Trunnion and diverter ball valves

## BT4 THREE-WAY TRUNNION



Three-way (three port) trunnion mounted ball, split bolted body, anti blow-out stem, antistatic device, and fire safe design

### API 6D

Sizes: NPS 4–36 (DN 100–900)

Classes: 150–4500

### API 6A

Sizes: NPS 4 $\frac{1}{16}$ –11 (DN 103–279)

Classes: 2000–15000

### MAIN FEATURES

- Suitable for changing flow direction using the “L” port or diverting and mixing, connecting both the opening to the side opening using the “T” port
- Design in compliance with: API 6D, API 6A, ASME B16.34, PED
- Fire safe design as per API 6FA and API 607
- Temperature range: -150 to 842°F (-101 to 450°C)
- Available in carbon, low temperature carbon, stainless, duplex, and exotic alloy steels
- Suitable for all types of fluids and aggressive environments including corrosive, sour (H<sub>2</sub>S), abrasive, and oxygen service; slurries and solid suspension in gases and air; and clean or dirty vapour (including steam).

### OPTIONS

- Soft (leakage rate: A) or metal-seated (leakage rate: D, better on request)
- Single or double piston effect seats
- Sealing injection for seats and stem
- Overlay on sealing surface available in alloy 625, alloy 825, and stainless steel
- Fully internal cladding available in alloy 625, alloy 825, and stainless steel
- Hardfacing for metal-seated valves is available in tungsten carbide and chromium carbide (for high temperature applications)
- Materials in accordance with NACE MR 01-75 for sour service
- Electro-plated nickel trim

## BT5 FOUR-WAY DIVERTER



Four-way double “L” port diverter valve suitable for changing flow directions with special design for avoiding the stop of the flow

### API 6D

Sizes: NPS 4–36 (DN 100–900)

Classes: 150–4500

### API 6A

Sizes: NPS 4 $\frac{1}{16}$ –11 (DN 103–279)

Classes: 2000–15000

### MAIN FEATURES

- Trunnion mounted ball, split bolted body, anti blow-out stem, antistatic device, and fire safe design
- Design in compliance with: API 6D, API 6A, ASME B16.34, PED
- Fire safe design as per API 6FA and API 607
- Temperature range: -150 to 842°F (-101 to 450°C)
- Available in carbon, low temperature carbon, stainless, duplex, and exotic alloy steels
- Suitable for all types of fluids and aggressive environments including corrosive, sour (H<sub>2</sub>S), abrasive, and oxygen service; slurries and solid suspension in gases and air; and clean or dirty vapour (including steam).

### OPTIONS

- Soft (leakage rate: A) or metal-seated (leakage rate: D, better on request)
- Single or double piston effect seats
- Sealing injection for seats and stem
- Overlay on sealing surface available in alloy 625, alloy 825, and stainless steel
- Fully internal cladding available in alloy 625, alloy 825, and stainless steel
- Hardfacing for metal-seated valves is available in tungsten carbide and chromium carbide (for high temperature applications)
- Materials in accordance with NACE MR 01-75 for sour service
- Electro-plated nickel trim