



Casting Trunnion Ball Valve NPS 2" - 16" For Oil / Gas Application

Basic Information

- Place of Origin: China
- Brand Name: OEM
- Certification: API, ISO, CE, GOST, TS, BS1873, BS5351, API 6D, 600, 602, 609, ASME B16.34, API 6FA, API607 etc
- Model Number: 2"-16", CL150-1500
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Plywood Cases
- Delivery Time: 15-60 Days
- Payment Terms: L/C, T/T
- Supply Ability: Based On Order



Product Specification

- Size: NPS 2"~16"
- Pressure Rating: Class 150~1500
- Material: WCB, LCC, LCB, 4A, 5A Etc
- Design & Manufacturing Standard: API 6D, API 6DSS, BS 5351, ASME B16.34
- Face To Face: ASME B16.10, API 6D
- End Connection: ASME B16.5, ASME B16.47, ASME B16.25
- Test And Inspection: ISO 5208, API 6D, API598
- Operation Method: Manual, Worm Gear, Electric Actuator, Pneumatic Actuator
- Highlight: **trunnion mounted ball valve**

Product Description

Casting trunnion ball valve of 2"-16" CL150-1500 Carbon steel, Stainless steel

Service

1. Provide your technical requirements and drawings
2. Get primary reply from us within 12 hours
3. Get technical solution and quotation from us within 24 hours
4. Technical solution and quotation confirmation
5. Provide samples if necessary
6. Contract review and signing
7. Arrange production and shipment
8. After sales service

Cast Trunnion Mounted Ball Valve's split body construction complies with API 6D, ASME B16.34, API 608, API 607 and other relevant ASTM specifications. With a variety of material selections available as well as ISO 5211 complaint direct mount actuator pad, the Cast Trunnion Ball Valve can be customized and automated to suit a complete range of oil and gas applications.

1. Industry Specific Solutions

Production, transportation, storage and processing of oil and gas require the highest quality piping components. This is our world. In conjunction with our sister companies we supply customers with valves, hammer unions, couplings, connectors, actuators and other valve accessories for high pressure process and piping at oil and gas facilities, both above ground and offshore.

2. World Class & Worldwide Service

We are dedicated to providing our customers with the best — the best brands, the best service and the best quality. Whether you require an automated valve for a highly engineered project or a replacement valve delivered same day, we are here to help. Our industry experience, product selection and access to a global network of partners enable us to tailor a solution to solve your most difficult problem.

3. Expanding Our Product Portfolio

While others are collapsing their portfolios and cutting costs, we have an aggressive strategy to supply complimentary products to served markets and increase service levels to establish ourselves as your single source provider for valve and flow control solutions.

BLOWOUT PROOF STEM

Positive stem retention is achieved with integral T-type shoulder retained by the gland retainer

ANTI-STATIC DESIGN

Positive anti-static grounding between the ball, stem and trunnion is a standard feature on the Trident Series. Valves sizes 16" and above are equipped with an additional anti-static spring on the trunnion shaft for added safety and reliability.

BODY SEALING

The double sealing design of the O-Rings and fire safe graphite gaskets ensure zero leakage at the body and closure connections

EMERGENCY SEALANT INJECTION

Valves are equipped with sealant injection fittings at the stem and seat area. The seat injection fittings have an integral buried check valve to provide backup sealing. Should leakage occur at either the seat or gland packing area, leakage can temporarily be stopped by injecting sealant into the secondary sealing system.

FIRE SAFE CERTIFIED

Fire safe construction is standard on all trunnion mounted ball valves. In the event of a fire, secondary graphite seals and gaskets prevent leakage to atmosphere and seat ring to ball contact minimizes through leakage.

SINGLE PISTON EFFECT SEATS

In very low line pressure applications, sealing between the seats and ball is achieved by seat springs forcing the seat into the ball, resulting in a seal. In high line pressure applications, the line pressure, in conjunction with the spring load, forces the upstream seat ring against the ball resulting in tighter sealing. The self-relieving seat, a standard design feature, prevents excessive pressure buildup within the valve by automatically relieving when body cavity pressure exceeds the spring and line seat pressure.

STANDARD MATERIALS OF CONSTRUCTION LEVER OPERATOR

Take WCB+ENP for example

- 1 Body Carbon Steel ASTM A216 WCB
- 2 Closure Carbon Steel ASTM A216 WCB
- 3 Ball Carbon Steel ASTM A105N + 3 mil ENP
- 4 Stem Carbon Steel ASTM A105N + 3 mil ENP
- 5 Trunnion Support Carbon Steel ASTM A105N + 3 mil ENP
- 6 Seat Ring Carbon Steel ASTM A105N + 3 mil ENP
- 7 Seat Insert Plastic Devlon®
- 8 Seat Fire Safe Seal Flexible Graphite Flexible Graphite
- 9 O-Ring Rubber HNBR 90
- 10 Backup Ring Plastic PTFE
- 11 Spring Inconel® X-750 UNS N07750
- 12 Gasket 316 + Graphite 316 + Graphite
- 13 Body Stud Carbon Steel ASTM A193 B7M
- 14 Body Nut Carbon Steel ASTM A194 2HM

- 15 Anti-static Plunger Stainless Steel ASTM A276 316
- 16 Anti-static Spring Stainless Steel ASTM A276 316
- 17 Thrust Washer Stainless Steel 304 + PTFE
- 18 Bearing Stainless Steel 316 + PTFE
- 19 Lantern Ring Stainless Steel ASTM A276 410
- 20 Segment Ring Stainless Steel ASTM A182 F6a
- 21 Segment Ring Retainer Stainless Steel ASTM A182 F6a
- 22 Stem Key Carbon Steel AISI 1045
- 23 Stem Pin Stainless Steel ASTM A276 304
- 24 Stem Retaining Pin Carbon Steel ASTM A193 B7M
- 25 Stem Fire Safe Seal Graphite Graphite
- 26 Gland Flange Carbon Steel AISI 1045
- 27 Gland Pin Carbon Steel AISI 1045
- 28 Cap Screw Carbon Steel ASTM A193 B7M
- 29 Seat Injection Fitting Stainless Steel ASTM A276 316
- 30 Check Valve Stainless Steel ASTM A276 316L
- 31 Bleed Fitting Stainless Steel ASTM A276 316
- 32 Gear Stud Carbon Steel AISI 1035
- 33 Gear Nut Carbon Steel AISI 1035
- 34 Gear Cast Steel ASTM A216 WCB
- 35 Lever Carbon Steel AISI 1045
- 36 T-Lever Cast Steel ASTM A216 WCB
- 37 Cap Screw, T-Lever Carbon Steel AISI 1035

Product type	Casting trunnion ball valves	
Product description	2-PC/3-PC Side-entry Trunnion Mounted Ball Valve	
Model	Q47F/H	
Size	NPS 2" 16"	
Seal type	Soft Seal	Metal to Metal
Operating temperature	-46 121	-46 593
	ACC to material	ACC to material
Operating pressure	CLASS 150 CLASS 1500	CLASS 150 CLASS 1500
Material	WCB,LCB,CF8,CF8M,CF3,CF3M,CN7M .etc	
Standard	API 6D,API 608,BS5351,ISO 17292	
Face to face	ASME B16.10	
Connecting end	ASME B16.5,ASME B16.47,ASME B16.25	
Test standard	API 598,API 6D,ISO 5208	
Operation	manual, electric, hydraulic, pneumatic, gas over oil, electric over oil actuators	
Application fields	water, Oil, natural gas, CNG	
Function	DBB	
Other remark 1	Fire proofing and antistatic design	
Other remark 2	Injection system	
Other remark 3	Valve stem fly out prevention structure design, to prevent accident due to fly out of valve stem caused by abnormal pressurization in the pipeline	



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