



CS / SS Fully Welded Body Ball Valve CL 150 - 2500 With Anti Static Device

Our Product Introduction

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"-48", 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"~48"
- Pressure Rating: Class 150~2500
- Material: A105, LF2, F304, F316, F304L, F316L, F51, A106-B, 20# Etc
- Design & Manufacturing Standard: API 6A, API 6D, API 6DSS, KS, 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: **fully welded body ball valves**

Product Description

API 6D fully welded ball valve of 2"-56" CL150-2500 CS and SS ball valve

Surface Treatment

We offer the following processes to choose:

1. Mechanical Polishing (MP) to improve brightness (gloss, matte)
2. Acid Cleaning for Anti-corrosion
3. Electrolysis Polish (EP) to improve surface smoothness
4. Custom Process: Bright Annealing treatment eliminate stresses to improve toughness

Forming Machine Process

1. CNC Lathe Processing
2. High precision CNC machining center processing
3. General lathe processing
4. The machine punch the product parts
5. Cold Forming Molding
6. Welding Assembly

Valves is famous for manufacturing fully welded ball valves in China market, we have made 56"CL600 fully welded ball valves for Iran market, a special technique was performed so that post welding heat treatment is not required so soft seals will not to be damaged during the welding process to make sure the seals good performance.

One-piece body, full bore/reduced bore, trunnion mounted, double block and bleed, single or double piston effect, anti-blow out stem, anti-static device, fire-safe certified to API-607/6FA/ISO 10497, spring loaded Seats, sealant injection, NACE MR-01-75, NYLON, DEVLON&PEEK seat inserts, designed and tested according to ASME B16.34, BS5351,KS and API-6D.

Size	NPS 2"~48"
Pressure Rating	Class 150~1500
Material	A105,LF2,F304,F316,F304L,F316L
Design & Manufacturing Standard	API 608,API 6D,BS 5351,ASME B 16.34
Face to Face	ASME B 16.10,API 6D,DIN 3202
End Connection	ASME B16.5,DIN 2543-2550,ASME B 16.25
Test and Inspection	ISO5208,API 6D,BS 6755
Operation Method	Manual,Worm Gear,Electric Actuator,Pneumatic Actuator

Applicable Standards

DESIGN & MANUFACTURE CONFORM WITH: API 6D/ ISO 14313,ASME B16.34

CONNECTION DIMENSION CONFORMS WITH: ASME B16.25,DIN EN 12627

FIRE RESISTANCE DESIGN CONFORMS WITH: API 607/ISO 10497

INSPECTION & TEST CONFORMS WITH: API 6D,ISO 5208,API 598

MATERIAL CONFORMS WITH: ISO 15156

Materials of parts

1	Body	12	Ball lubricating bearing
2	Left-right body	13	Screw
3	Ball	14	Bonnet gasket
4	Seat	15	Support cover
5	Sealing ring	16	Die holder
6	O-ring	17	Packing
7	Stem	18	Terminal pad
8	Seat grease injection valve	19	Spring pin
9	Spring	20	Flat key
10	straight pin	21	Stem gasket
11	Blow-down valve	22	Static-free spring

Materials of parts

Body	A105/LF2/F304/F316/F304L/F316L/F11/F22/F51
Ball	A105+ENP/LF2+ENP/F304/F316/F304L/F316L/F51
Seat	A105+ENP/LF2+ENP/F304/F316/F304L/F316L/F51
Stem	A105+ENP/LF2+ENP/F304/F316/F304L/F316L/F51
Sealing ring	PTFE/NYLON/PEEK/TEFLON
O-ring	VITON/NBR
Screw	B7M/B8M/L7M/B16M
Support cover	A105+ENP/LF2+ENP/F304/F316/F304L/F316L/F51
Die holder	A105+ENP/LF2+ENP/F304/F316/F304L/F316L/F51
Spring	17-4PH/17-7PH/Inconel
Bearing	304+PTFE/316+PTFE
Gasket	Flexible graphite+304/PTFE

Technical parameters and characteristics:

Product description	Fully welding ball valve
Model	Fully welding trunion forging ball valve
Nominal diameter	NPS 2" NPS 48"
Operating temperature	-593°C 220°C(the range of service temperature may vary for different materials)
Operating pressure	CL150-CL1500
Material	A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.
Design standard	API 6D, ASME B16.34
Structural length	ASME B16.10
Connecting end/td >	ASME B16.5, ASME B16.25
Test standard	API 598, API 6D, ISO 5208
Operation method	Handle, worm, motor-drive unit, pneumatic drive unit
Application fields	Oil and natural gas pipelines, and urban gas pipeline
Other remarks 1	The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is provided with a preloaded spring that is adaptive to the variation of pressure and temperature, so leakage is not liable to happen.
Other remarks 2	Integral valve with welded valve body, free of external leakage, etc.
Other remarks 3	Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexible graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.
Other remarks 4	The most advanced support plate structure both at home and abroad is adopted for large diameters to increase the service life and reduce the operating torque of valve. Thus, the service life of valves is greatly extended.
Other remarks 5	The directly-buried all-welded ball valve can be buried directly, in which case, no high and large valve pit is required, only a small shallow pit needs to be built on ground, so the construction cost and the engineering time can be significantly saved.
Other remarks 6	Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and good flow characteristics
Other remarks 7	The valve ball can completely enclose the valve seat when the all-welded ball valve is opened, so the impurities in the medium will not be flushed to the valve seat or the packing surface of valve body. Hence, the valve body has a same service life as the pipeline due to his special construction.



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