



## Fire Safe Design Fully Welded Body Ball Valves For Pipeline System

### 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: 1/2"-56", CL150-2500, API 2000-15000
- 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 1/2"~56"
- Pressure Rating: Class 150~2500, API 2000-15000
- 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

### Fully welded ball valve, 1/2"-56", DBB struction, fire safe design

#### 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

fully welding ball valves design characteristic:

fully welded ball valves are used in pipelines, pumping and compression stations, offshore, onshore, subsea and cryogenic as well as abrasive and high temp applications.

The extensive size range and pressure class are available in a variety of materials including Carbon, Alloy & Stainless steel suitable for general to severe service conditions.

The fully welding ball valves are available with Double Block & Bleed independent of the seat type.

Single piston effect (SPE) is the standard feature for the seat rings of the fully welding ball valves.

On a SPE seat ring: The pressure acting on the upstream side of the seat ring generates a force which push the seat towards the ball. The pressure acting on the downstream side of the seat ring generates a force which pull the seat ring away from the ball.

Any overpressure which may be generated by the thermal expansion of the fluid trapped in the body cavity with the ball in fully closed position, will be automatically discharged in the line on the lower pressure side.

Double piston effect (DPE) is a standard feature for the seat rings of the fully welding ball valves & recommended for welded body valves. On a DPE seat ring, both the pressure acting on the upstream side of the seat ring and the pressure acting on the down stream side of the seat ring, generate a force which push the seat towards the ball. With this type of seat ring, the eventual overpressure which may be generated by the thermal expansion of the fluid trapped in the body cavity with the ball in fully closed position, can be discharged by the use of an external safety relief device. The Double Piston Effect grants a double sealing feature, if the upstream seat ring is damaged, the down stream seat grant the sealing feature of the valve.

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.

Pressure range: : 150LB-3000LB(PN6-PN420)

Size range: 1/2inch(DN15)-48inch(DN15-DN1200)

Design standard: API6D,BS5351,GB/T12237

Test standard: API607, DIN3230, GB/T13927

Material of the valve:: A105.LF2. F304.F304L.F316.F316L.F51.MONEL

Applicable temperature: 196°C-600°C

Applicable medium: Oil,Gas,Water,Sulfuric acid and nitric acid.

Connection type: Fully welded

Design:	API 6D,6DSS
Face to Face:	ASME B16.10
End Flange:	ASME B16.5, B16.47
Test:	API 6D, API 598



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