

YUANGAO VALVES INDUSTRY GROUP

- **%** +86 21 60892656 / 60892657
- □ www.leadvalve.com
- ☑ sales@leadvalve.com
- டி No.1, Lane 285, Tiangong Road, Jinshan Industrial Zone, Shanghai

LISHUI BRANCH

வ No. 10 Baixian Road, Nanmingshan Street, Liandu District Lishui City, Zhejiang Province

% +86 577 67981003

☑ sales@leadvalve.com

LONDON BRANCH

- ் 7-11 Minerva Road Park Royal London United Kingdom NW10 6HJ
- % +44 2045773199
- ${\color{red} \boxtimes} \ sales@leadvalve.co.uk$















GLOBE VALVE



CHECK VALVE



BUTTERFLY VALVE



PLUG VALVE



YUANGAO VALVES INDUSTRY GROUP

Company Profile

LEAD(UK) is a technology-based Co. and began with valve engineering within oil & gas Field from 1970's in London. And after 8 years development, LEAD(UK) started a workshop for industrial pipeline valves and extend the products range with gate/globe/check valves step by step for oil&gas, and water works treatment. In the year of 2008, Lead valve enlarged the manufacturing capability in order to satisfy it's growth global markets.



LEAD Valve (China) was owned & operated by LEAD(UK) & YUANGAO(FHV). And FHV, established in 1989, is one of the leading manufacturers of valves in Asia and focus on various kinds of valves. Since 2008, FHV became the exclusive strategic partner of LEAD (UK) who integrates advanced technology and totally new management system for the whole group from then. LEAD carries out 100% advanced technology from design to final stage under strict QC system. Major valve products cover Iron, Steel and Special Alloy materials with International Standards like API/BS/EN/AWWA/ISO etc. Three manufacturing sites and one foundry are allowing us to maintain control over the whole process from raw material.

LEAD Flow Control makes A Beautiful & Dynamic World!







Quality

At the core of our ethos lies an unwavering dedication to quality. Every valve that bears our name undergoes rigorous testing and inspection, adhering to stringent quality assurance protocols. We leverage cutting-edge manufacturing techniques and employ the highest-grade materials to ensure that our valves deliver unparalleled performance, longevity, and resilience in the most demanding environments.

Innovation

Recognizing the evolving needs of modern industries, we are committed to continuous innovation and customization. Our team of skilled engineers and technicians collaborates closely with clients to develop tailormade valve solutions that address specific operational challenges, providing unparalleled flexibility and adaptability.

Reach

With a global footprint, we serve a diverse clientele spanning continents, delivering our high-end industrial valves to projects of varying scales and complexities. Our extensive distribution network and strategic partnerships enable us to provide timely and efficient support to our customers, wherever they may be located.

Certificates





American petroleum Institute

API 6D Specifications for pipeline valves

API 607 Fire test for soft-seated

ball valves (Div. of Refining)

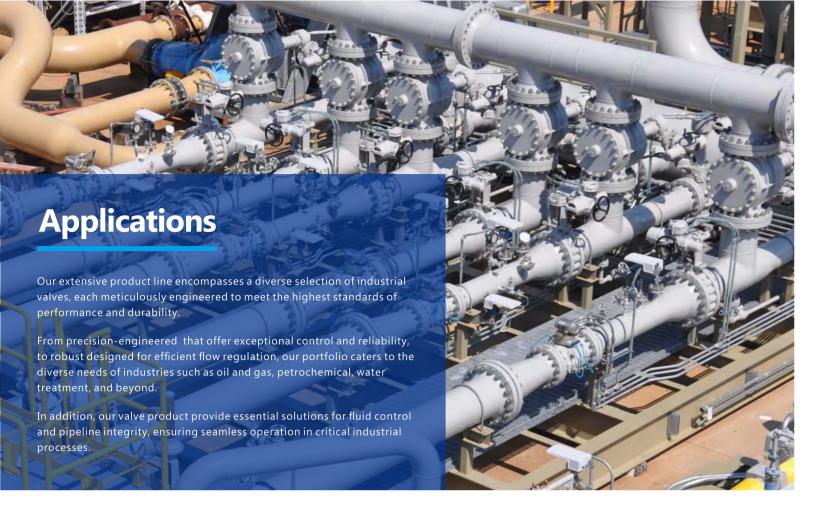
API 6FA Fire test for plug valves

API 624 Low fugitive emission valves

(Div. of Production)

Certification of Quality and design





Offshore











Oil and Gas Processing

Mooring Systems

Water Treatment and Injection

Utilities

Onshore









Early Production Facilities

Onshore Processing Plant

Midstream and Petrochemical

LNG

Products Range



BALL VALVE

- Top Entry Ball Valve
- Trunnion Ball Valve
- Fully Welded Ball Valve
- Floating Ball Valve



GLOBE VALVE

- DIN Globe Valve
- ANSI Globe Valve
- Bellows Sealed Globe Valve
- Pressure Seal Globe Valve



BUTTERFLY VALVE

- Double Eccentric butterfly valve
- Midline butterfly valve
- Flexible butterfly valve
- Three Eccentric butterfly valve



GATE VALVE

- DIN Standard Gate Valve
- Cast Steel Gate Valve
- Pressure Seal Gate Valve
- Flat Gate Valve



CHECK VALVE

- API Swing Check Valve
- DIN Standard Check Valve
- Pressure Seal Check Valve
- Wafer Check Valve



PLUG VALVE

- Pressure Balanced Plug Valve
- Three & Four Ways Plug Valve



Fully Test At First Stage Quality first is lead valve philosophy, total quality management (TOM) system has been establishedand observed in the whole manufacturing process to continually improve product quality, the strict qualicontrol plan including inspection and testing has been implemented since the beginning of the valveproduction. all in house inspection and testing facilities enable us to do the chemical elements analysis, mechanicatesting, non-destructive testing (ultrasonic, magnetic particle, dyepenetration, radiographic testing) positive material identifier (pnj testing, as well as special performance testing like high pressure airtesting, cryogenic testing, high temperature testing and fugitive emission testing, etc.







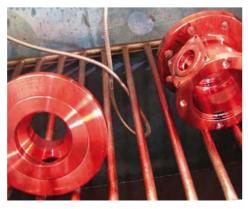




















Each process is the combination of sweat also the people We play a good, good each product.











Materials

Dual Grade Stainless,

for bodies and trims.

Low Temperature Caron steel,

Duplex and Superduplex steels

Special material for soft seals.

Options

Drip plates Thermal Relief wedge and disc bleed-holes Antistatic devices Fire safe Certified Low Emission designs to MESC 77/312 **Actuation and Controls** NACE MR0175+MR0103 for Sour service.

Starting from material and components evaluation, yuangao valve's quality control division operates a state of the art laboratory where valves can be tested to satisfy is equipped to operate the following tests;

just to mention few:

- · Cryogenic test
- Gas test
- Leak test
- Bend test
- DPI and MPI
- Fire safe test
- PA.M.I.

and other material related tests. All tests are documented and procedures based on international requirements or customer's requisitions







INSPECTION

LEAD Valves has a special pressure testing room as well as test facilities for different kinds of non-destructive tests. Quality of the manufactured valves is based on quality system certification of products, employees and selected procedures. Company certifications are based on requirements of the customers; besides quality system ertifications (API Spec 6D, ISO 9001:2008) LEAD Valve holds many different production certificates and procedure certificates.





Inspection and Tests

LEAD Valves products are tested according to our own internal specifications and procedures, which fully comply with the applicable standards and customers requirements. All the inspection and testing results of the materials and valves are registered in our quality system to support ongoing quality control efforts. All records of valve series numbers, inspection/testing procedure and results, operator information, are traceable.

Paint Thickness Test







Fully welded ball valve



Manufacturing Standards

Size: NPS 2"~56"
Pressure Rating: Class 150~1500

Material: A105, LF2, F304, F316,F304L, F316L, A106-B, 20# Design & Manufacturing Standard: API 608, API 6D, BS 5351, ASME B16.34,GB,KS

Face to Face: ASME B16.10, API 6D, DIN 3202

End Connection: ASME B16.5, DIN 2543-2550, ASME B16.25

Test and Inspection: ISO 5208, API 6D, BS6755

Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

Top entry ball valve



Manufacturing Standards

Size: NPS 2"~24"
Pressure Rating: Class 150~2500

Material: WCB, LCB, CF8, CF8M, CF3,CF3M, A105,

LF2, F304, F316,F304L, F316L

Design & Manufacturing Standard: API 608, API 6D, 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

Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

Floating Ball Valve



Manufacturing Standards

Size: NPS 1/2"~8"

Pressure Rating: Class 150~600

Material: WCB, LCB, CF8, CF8M, CF3,CF3M,
Design & Manufacturing Standard: API 608, API 6D, BS 5351, ASME B16.34

Face to Face:

ASME B16.10, API 6D, BSEN 558

End Connection:

ASME B16.5, BSEN 1092

Test and Inspection:

ISO 5208, API 6D, BSEN 12266

Operation Method:

Manual , Worm Gear, Electric Actuator,

Pneumatic Actuator

Trunnion Ball Valve



Manufacturing Standards

Size: NPS 2"~56"
Pressure Rating: Class 150~2500

Material: A105, LF2, F304, F316,F304L, F316L

Design & Manufacturing Standard: API 608, API 6D, 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

Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator



Cast Steel Gate Valve



Manufacturing Standards

Size: NPS 1/2"~76"
Pressure Rating: Class 150~2500

Material: WCB, LCB, WC6, WC9, C12, CF8, CF8M, CF3, CF3M

Temperature: -29~540°C

Design & Manufacturing Standard: API 600, BS 1414, ASME B16.34

Face to Face: ASME B16.10, BSEN 558

End Connection: ASME B16.5, ASNE B16.47, BSEN 1092

Test and Inspection: ISO 5208, API 600, Bs6755

Structure Type: OS & Y, Bolted bonnet, single weged
Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

Pressure Seal Gate Valve



Manufacturing Standards

Size: NPS 1/2"~56"
Pressure Rating: Class 150~2500

Material: WCB, LCB, WC6, WC9, C12,CF8, CF8M, CF3,CF3M

Temperature: -29~540°C

Design & Manufacturing Standard: API 600, BS 1414, ASME B16.34

Face to Face: ASME B16.10, BSEN 558

End Connection: ASME B16.5, ASNE B16.47, BSEN 1092

Test and Inspection: ISO 5208, API 600, Bs6755

Structure Type: OS & Y, Bolted bonnet, single weged
Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

Flat Gate Valve



Manufacturing Standards

Size: NPS 2"~48"
Pressure Rating: Class 150~1500

Material: WCB, LCB, CF8, CF8M, CF3,CF3M

Design & Manufacturing Standard: ASME B16.34, API 6D

Face to Face: ASME B16.10, API 6D, BSEN 558
End Connection: ASME B16.5, ASNE B16.47, BSEN 1092
Test and Inspection: ISO 5208, API 6D, BSEN 12266
Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

DIN Standard Gate Valve



Manufacturing Standards

Size:DN50~DN1200(2"~48")

Pressure Rating: PN10-PN160

Material: A216 WCB/A352 LCB/A217 WC6/A217 WC9/A351 CF8/A351 CF3M/A351 CF3/A351 CF8M etc

Suitable Temperature: -196°C ~ 538 °C(Different temperature choose different materials).

Suitable Medium: Water, Steam, Oil and natural gas etc.



ANSI Globe Valve



Manufacturing Standards

Size: NPS 2"~24"
Pressure Rating: Class 150~1500

Material: WCB, LCB, WC6, WC9, C12, C5, CF8, CF8M, CF3, CF3M

Design & Manufacturing Standard: BS 1873 ,ASME B16.34

Face to Face: ASME B16.10

Flanged Dimenson: ASME B16.5, ASME B16.47, BSEN 1092
End Connection: BSEN 558, ASME B16.5, BSEN 1092

Test and Inspection: ISO 5208,BS 6755

Structure type: Straight type, angle type, throttle type
Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

Bellow seal globe valve



Manufacturing Standards

Size: NPS 2"~24"
Pressure Rating: Class 150~600

Material: WCB, LCB, WC6, WC9, C12, C5, CF8,

CF8M, CF3, CF3M

Design & Manufacturing Standard: ASME B16.34

Face to Face: ASME B16.10, EN 588,(DIN 3202)
Flanged Dimenson: ASME B16.5, (DIN 2501)

Butt Weld Dimension: ASME B16.25
Test and Inspection: API 598

Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

DIN Globe Valve



Manufacturing Standards

Applicable Standards: Design EN 13709

Face to face EN 558-1 End flanges EN 1092-1 Butt welding ends EN 12627 Inspection and test EN 12266-1

Pressure Rating: PN16, PN25, PN40

Temperature Range: -50°C~650°C

Size Range: DN15~DN400

Design Description: Straight pattern

Outside Screw and York

Bolted bonnet
Seat in stellite or 13%Cr
Available with gear operator

Flange Ends Butt-welding Ends

Pressure Seal Globe Valve



Manufacturing Standards

 Size:
 NPS 1/2"~24"

 Pressure Rating:
 Class 150~2500

Material: WCB, WCC, Wc6, Wc9, C5,C12, LCB, LCC, CF8,

CF8M, CF3,CF3M, CN7M, CF8C

Design & Manufacturing Standard: API 600, BS 1414

Face to Face: ASME B16.10, EN 558

Flanged Dimenson: ASME B16.5

ASME B16.25

Butt Weld Dimensin:

API 598
Test and Inspection:

Manual Wa

est and Inspection: Manual ,Worm Gear, Electric Actuator,

Operation Method: Pneumatic Actuator



API Swing Check Valve



Manufacturing Standards

Size: NPS 2"~36"
Pressure Rating: Class 150~2500

Material: WCB, LCB, WC6, WC9, C12, C5, CF8, CF8M, CF3, CF3M

Design & Manufacturing Standard: API 600, BS 1868, ASME B16.34
Face to Face: ASME B16.10, API 6D BSEN558

End Connection: ASME B16.5, ASME B16.47, ASME B1.20.1,

ASME B16.11,DIN 2453-2551, ASME B16.25

Test and Inspection: ISO 5208, API600,BS 6755

Operation Method: Swing type, lifting type

Pressure Seal Check Valve



Manufacturing Standards

Size: NPS 2"~36"
Pressure Rating: Class 900~2500

Material: WCB, WCA, WCC, WC9, C5, C12, LCB, LCC,

CF8, CF8M, CF3, CF3M, CN7M, CF8C

Design & Manufacturing Standard: BS 1868, ASME B16.34, API 6D

Face to Face: ASME B16.10, API 6D, EN 588(DIN 3202)
Flanged Dimenson: ASME B16.15, ASME B16.47(DIN 2501)

Butt Weld Dimensin: ASME B16.25
Test and Inspection: BS 12266, API 598

Wafer Check Valve



Manufacturing Standards

Size: NPS 2"~40"
Pressure Rating: Class 150~1500

Material: WCB, WCA, WCC, WC6, WC9, C5, C12, LCB, LCC,

CF8, CF8M, CF3, CF3M, CN7M, CF8C

Design & Manufacturing Standard: API 594, API 6D, ASME B16.34

Face to Face: API 594, API 6D

Flanged Dimenson: ASME B16.5 ,ASME B16.47

Test and Inspection: API 6D ,ISO 5208

DIN Standard Check Valve



Structural features

Check valve seal acc.to DIN is applicable to the cutting and connection of pipelines medium that are used in various industries such as petroleum, chemical industry, pharmacy, chemical fertilizer, electric power industry, etc under nominal pressure of PN 1.6~16MPa, and working temperature within-110~600°C



Forged Steel Ball Valve



Manufacturing Standards

Test and Inspection:

Operation Method:

Size: NPS 1/2"~12"
Pressure Rating: Class 150~1500

Material: A105, LF2, F304, F316,F304L, F316L

Design & Manufacturing Standard: API 608, API 6D, BS 5351, ASME B16.34

Face to Face: ASME B16.10, API 6D, BSEN 558

End Connection: ASME B16.5, BSEN 1092

Pneumatic Actuator

ISO 5208, API 6D, BSEN 12266

Manual ,Worm Gear, Electric Actuator,

Forged Steel Globe Valve



Manufacturing Standards

Size: NPS 1/2"~2"
Pressure Rating: Class 150~1500

Material: A105, LF2, F5, F9, F11, F22, F304, F304L, F311, F51

Design & Manufacturing Standard: API 602, ASME B16.34, BS 5352

Face to Face:

Flanged Dimenson:

Butt Weld Dimensin:

ASME B16.5

ASME B16.5

ASME B16.25

Threaded end Dimension:

ASME B1.20.1

Socketweld dimension:

ASME B1.20.1

Test and Inspection:

API 598

Forged Steel Gate Valve



Manufacturing Standards

Size: NPS 1/2"~2"
Pressure Rating: Class 150~1500

Material: A105, LF2, F5, F9, F11, F22, F304, F304L, F311, F51

Design & Manufacturing Standard: API 602, ASME B16.34, BS 5352

Face to Face: ASME B16.5, EN558

Flanged Dimenson: ASME B16.5
Butt Weld Dimensin: ASME B16.25
Threaded end Dimension: ASME B1.20.1
Socketweld dimension: ASME B1.20.1
Test and Inspection: API 598

Forged Steel Check Valve



Manufacturing Standards

Size: NPS 1/2"~2"
Pressure Rating: Class 150~1500

Material: A105, LF2, F5, F9, F11, F22, F304, F304L, F311, F51

Design & Manufacturing Standard: API 602, ASME B16.34, BS 5352

Face to Face: ASME B16.5, EN558 Flanged Dimenson: ASME B16.5

Butt Weld Dimensin: ASME B16.5
Threaded end Dimension: ASME B1.20.1
Socketweld dimension: ASME B1.20.1
Test and Inspection: API 598



Metal Seat Butterfly Valve



Manufacturing Standards

Size: NPS 2"~48"
Pressure Rating: Class 150~300

Material: WCB, WCA, WCC, WC9, C5,C12, LCB, LCC,

CF8, CF8M, CF3, CF3M, CN7M, CF8C

Design & Manufacturing Standard: API 609, ASME B16.34, BSEN 593

Face to Face: API 609, BSEN 558

Flanged Dimenson: ASME B16.5 ,ASME B16.47, BSEN 558

Test and Inspection: API 598, BSEN 12266
Structure Type: Centerline, Double eccentric

Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

Pressure Balanced Plug Valve



Manufacturing Standards

Size: NPS 2"~24"
Pressure Rating: Class 150~1500

Material: WCB, LCB,CF8, CF8M, CF3, CF3M
Design & Manufacturing Standard: ASME B16.34, API 6D, API 598

Face to Face: ASME B16.10, API 6D
End connection: ASME B16.5 ,ASME B16.25

Test and Inspection: ISO 5208, API 6D

Structure Type: Short type, regular type, venturi type,

full operation type

Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

Resilient Butterfly Valve



Manufacturing Standards

Size: NPS 2"~80" (DN50~DN2000)
Pressure Rating: Class 150~300 (PN6~PN40)

Material: WCB, WCA, WCC, WC9, C5,C12, LCB, LCC,

Cf8, CF8M, CF3, CF3M, CN7M, CF8C, CI, DI

Design & Manufacturing Standard: API 609, ASME B16.34, BSEN 593, ISO DIN

Face to Face: API 609, BSEN 558, ISO DIN

Flanged Dimenson: ASME B16.5 ,ASME B16.47, BSEN 558, ISO DIN

Test and Inspection: API 598, BSEN 12266
Structure Type: Centerline, Double eccentric

Operation Method: Manual ,Worm Gear, Electric Actuator,

Pneumatic Actuator

Y Type Strainer



Manufacturing Standards

Size: NPS 2"~36"
Pressure Rating: Class 150~900

Material: WCB, WCA, WCC, WC9, C5, C12, LCB, LCC,

CF8, CF8M, CF3, CF3M, CN7M, CF8C

Design & Manufacturing Standard: ASME B16.34
Face to Face: ASME B16.10, EN 588
Flanged Dimenson: ASME B16.5(BSEN 1092)

Test and Inspection: API 598
Butt weld Dimensions: ASME B16.34

Control Valve Series

Introducing our state-of-the-art control valves, engineered for precision and performance. From regulating flow to optimizing processes, our control valves stand at the forefront of innovation, ensuring seamless control in critical industrial applications.

Slight Resistance Buffer Check Valve



Butterfly Type Buffer Check Valve



Our stands as a beacon of excellence in the realm of industrial valves. Through a steadfast focus on quality, innovation, and customer satisfaction, we continue to set new benchmarks for performance and reliability in the industry. Whether it's a critical process application or a large-scale industrial project, our valves exemplify the pinnacle of engineering and craftsmanship, offering a testament to our unwavering pursuit of perfection.







