

## Fully Welded Body Ball Valves , Soft / Metal Seated Ball Valves

API, ISO, CE, GOST, TS, BS1873, BS5351,

API 6D,600,602,609, ASME B16.34, API

1/2"-56",CL150-2500,API 2000-15000

## **Basic Information**

- Place of Origin:
- Brand Name: OEM

China

1

6FA, API607 etc

**Plywood Cases** 

L/C, T/T

- Certification:
- Model Number:
- Minimum Order Quantity:
- Price: Negotiable
- Packaging Details:
- Delivery Time: 15-60 Days
- Payment Terms:
- Supply Ability: Based On Order



## **Product Specification**

• Size:	NPS 1/2"~56"
<ul> <li>Pressure Rating:</li> </ul>	Class 150~2500, API 2000-15000
• Material:	A105, LF2, F304, F316,F304L, F316L,F51,A106-B, 20# Etc
<ul> <li>Design &amp; Manufacturing Standard:</li> </ul>	API 6A, API 6D, API 6DSS, KS,BS 5351, ASME B16.34
• Face To Face:	ASME B16.10, API 6D
<ul> <li>End Connection:</li> </ul>	ASME B16.5, ASME B16.47, ASME B16.25
<ul> <li>Test And Inspection:</li> </ul>	ISO 5208, API 6D, API598
Operation Method:	Manual ,Worm Gear, Electric Actuator, Pneumatic Actuator
<ul> <li>Highlight:</li> </ul>	fully welded body ball valves

Our Product Introduction

## Fully welded ball valve with soft or metal seat 1/2"-56", CL150-2500

fully welding ball valves design characteristic:

Side Entry 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.

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.

fully welded ball valve, widely used in urban underground gas pipelines, natural gas pipelines and pressure regulating stations and other fields. In the past years, through continuous research and innovation and improvement of product quality.

fully welded ball valve, due to the overall structure of the valve fully welded construction using technology to make the valve, the outer seal has been greatly improved, the valve's weight has been greatly reduced (especially DN300 or less) so that the valve installation becomes more convenient, not only reduces the cost of construction, but also saves time.

fully welded ball valve, can be directly buried underground. Do not set the underground valve control room, so that operations do not need to go into the ground, just drive operation can be carried out on the ground with a T-handle, very easy to avoid the past due to the underground valve control room set up and there hidden dangers.

fully welded ball valve, the valve can be designed in different height for your users based on the depth of buried gas pipeline. Meanwhile, also according to the different needs of users connected to the valve port, you design a variety of port connections for you to choose from.

Structural characteristics and advantages for Full weled ball valve:

1. Anti-leaking stem

In order to prevent the stem fly cause abnormal elevation of internal pressure valves, dry shoulder fixed lower portion. Further, in order to prevent leakage resulting from burnout stem packing in a fire, the thrust bearing in the lower portion of the contact position in the stem and body shoulders therefore prevent the formation of anti-sealing seat leakage to avoid accidents.

2. Fire safety structure

When the trunnion ball valves normal use, the seat and the spherical stamp law, seat retainer o-ring and seal body, which is a soft seal, reliable seal and o-ring seat when injured, seat holder and the body will be stamped expanded graphite such behavior fire safety purposes. 3. Anti-static equipment

In order to prevent friction among ball, stem and PTFE static electricity may ignite flammable materials and explosives, resulting in an accident, in this ball valve, static-conduction spring between the stem and the ball, the stem and the body and therefore static ground system security to be secured.

4. Free body leaking seal structure

Smooth, double stamped gaskets and o-rings, on this basis, for this reason as fire switch position of the valve and the valve bonnet, high temperature, shock and uneven opening or closing torque will not cause external leakage.

5. Low operating torque

Self-lubricating bearings installed in the friction of stem cells, leading to wear and flexible operation and low torque.

6. double block bleed (DBB)

When the ball fully open or closed position, the transmitter substance the body can drain cavity Center announced, emptying devices Moreover, it is the center of the valve chamber pressure can be released into the low pressure end of his rescue seats.

7. Emergency sealing

Composite injection hole design and install complex injection valve located in the stem / hat and physical support when the valve stem seal or seat damage induced leakage, such compounds can be used to make a second check valve seal hidden installed near both composite injection valve, to prevent the outflow of action of the compound material, a composite of the top of the transmitter composite fuel injection valve of fast connection connector injection gun.

8. Stem extension

Underground installation valve stem can be extended to facilitate the operation corresponding composite nozzle, the drain valve can be extended to the highest valve.

9. Automatic body cavity relief

When the body pressure rise is not normal, such as instability, trunnion ball valve downstream seat will be normal pressure, while not normal automatic release of pressure, do not damage the sealing of upstream seat.

Service Type:

Standard Temperature: -29°C to 220°C / -20°F to 428°F

• Low Temperature: -46°C to 150°C / -50°F to 302°F

for more products please visit us on watercontrol-valve.com

Cryogenic Temperature: -196°C to -593°C / -258°F to -620°F

- Subsea (Shallow & Deep Water)
- Underground
- High Temperature: Above 220°C / 428°F

Technical parameters and characteristics:

tescri       Fully welding ball valve         Model       Fully welding trunion forging ball valve         Nomin       al         al annet       NPS 2" NPS 56"         er       Operat         ing       -593 220 (the range of service temperature may vary for different materials)         ature       Operat         ing       -593 220 (the range of service temperature may vary for different materials)         ature       Operat         ing       CL150-CL2500         re       All al         All and       API 6D,ASME B16.34         rd       ASME B16.10         length       ASME B16.10         length       ASME B16.5ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       API 598, API 6D, ISO 5208         rd       Operat         ion       Oli and natural gas pipelines, and urban gas pipeline         fields       Cluber Fire resisting construction of all-welded with flexible seal ring for zero leakage of seal; the valve seat is         Other       The valve seat is embedded with lexible seal ring for zero leakage, etc.         s 2       Fire resisting construction of all-welded ball valve. Each leakage, position is designed with flexible seat is aphyte to the variation of pressure and						
description       Fully welding ball valve         Model       Fully welding trunion forging ball valve         Nomin al       NPS 2" NPS 56"         operat ing       -593 220 (the range of service temperature may vary for different materials) ature         Operat ing       -593 220 (the range of service temperature may vary for different materials) ature         Operat ing       CL150-CL2500         result       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design       API 6D, ASME B16.34         rd       ASME B16.10         length       Conne         cting       ASME B16.5, ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Operat         ion       Manule, worm, motor-drive unit, pneumatic drive unit         d       API 598, API 6D, ISO 5208         rd       Integral valve with welded valve body, free of external leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         leakage is not liable to happen.       Other         file dvalve size is embedded with flexible seal ring for zero leakage of seal; the valve seat is case of a fine.         Other       The va	Produc					
description         Model         Fully welding trunion forging ball valve           Nomin al diamet         NPS 2" NPS 56"         Image: Second Se	t	Fully welding ball valve				
Model         Fully welding trunion forging ball valve           Nomin al diamet         NPS 2" NPS 56"           er         Operat ing         -593 220 (the range of service temperature may vary for different materials) ature           Operat ing         CL150-CL2500           re         Materi         A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.           Design         CL150-CL2500           re         Standa         API 6D, ASME B16.34           dt         ASME B16.10           length         Conne cting end/td         ASME B16.5, ASME B16.25           >         Test           Standa         API 598, API 6D, ISO 5208           rd         Operat ion         Materi end/td           Applic ation         Oil and natural gas pipelines, and urban gas pipeline fields           The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, is 1           Chter         Fire resisting construction of all-welded ball valve. Each leakage of seal; the valve seat is case of a fire.           Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi remark           Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi case of a fire.	descri	Tuny weiding ban valve				
Model         Fully welding trunion forging ball valve           Nomin al diamet         NPS 2" NPS 56"           er         Operat ing         -593 220 (the range of service temperature may vary for different materials) ature           Operat ing         CL150-CL2500           re         Materi         A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.           Design         CL150-CL2500           re         Standa         API 6D, ASME B16.34           dt         ASME B16.10           length         Conne cting end/td         ASME B16.5, ASME B16.25           >         Test           Standa         API 598, API 6D, ISO 5208           rd         Operat ion         Materi end/td           Applic ation         Oil and natural gas pipelines, and urban gas pipeline fields           The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, is 1           Chter         Fire resisting construction of all-welded ball valve. Each leakage of seal; the valve seat is case of a fire.           Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi remark           Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi case of a fire.	ption					
Nomin al diamet         NPS 2" NPS 56"           Operat ing temper         -593 220 (the range of service temperature may vary for different materials) ature           Operat ing temper         -593 220 (the range of service temperature may vary for different materials) ature           Operat ing pressu         CL150-CL2500           re	<u> </u>	Fully welding trunion forging ball valve				
al diamet       NPS 2" NPS 56"         operat ing ature       -593 220 (the range of service temperature may vary for different materials) ature         Operat ing pressu       CL150-CL2500         re       Materi         A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design standa       API 6D,ASME B16.34         rd       Structu ral         ASME B16.10         length       Conne citing and and and and and and and and and and						
diamet er Operat ing temper -593 220 (the range of service temperature may vary for different materials) ature Operat ing CL150-CL2500 re Materi A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc. al Design standa API 6D, ASME B16.34 rd Structu ral ASME B16.10 length Conne cting ASME B16.5, ASME B16.25 	Nomin					
diamet er Operat ing -593 220 (the range of service temperature may vary for different materials) ature Operat ature Coperat ature Coperat ature CL150-CL2500 re CL150-CL250 re CL150 re CL150-CL250 re CL150-CL250 re CL150 re CL150-CL250 re	al					
er       Operating         ing       -593 220 (the range of service temperature may vary for different materials)         ature       -593 220 (the range of service temperature may vary for different materials)         operating       CL150-CL2500         re	diamet	NF3 2 NF3 30				
Operating       -593 220 (the range of service temperature may vary for different materials)         ing       -593 220 (the range of service temperature may vary for different materials)         dure       CL150-CL2500         re       CL150-CL2500         re       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         al       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         al       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         al       ASME B16.34         rd       ASME B16.10         length       ASME B16.5, ASME B16.25         cing       ASME B16.5, ASME B16.25         rat       Length         Conne       Cing         cing       ASME B16.5, ASME B16.25         rat       ASME B16.5, ASME B16.25         rat       ASME B16.5, ASME B16.25         rat       API 598, API 6D, ISO 5208         rd       Clear         operat       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         fields       Citar         the valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark graphite packing o						
ing temper       -593 220 (the range of service temperature may vary for different materials) ature         Operat ing pressu       CL150-CL2500         re       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design standa       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design standa       API 6D, ASME B16.34         rd       ASME B16.10         length       Conne cting enditd         Conne cting       ASME B16.5, ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Operat ion         Operat ion       Oll and natural gas pipelines, and urban gas pipeline fields         Operat ion       Oil and natural gas pipelines, and urban gas pipeline fields         Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Cother       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the servic s 4         Other       The directly-buried all-welded ball valve. Each leakage position is designed with flexi casee of a fre. <td< td=""><td></td><td></td></td<>						
temper ature       -593 220 (the range of service temperature may vary for different materials) ature         Operating ing pressu       CL150-CL2500         Materi       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Structu       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Image: Standa       API 6D, ASME B16.34         rd       Conne         cting       ASME B16.5, ASME B16.25         end/td       ASME B16.5, ASME B16.25         rest       ASME B16.5, ASME B16.25         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Design         standa       API 598, API 6D, ISO 5208         rd       Operation         on       Handle, worm, motor-drive unit, pneumatic drive unit         d       Lister Standa         Applic       Integral valve with flexible seal ring for zero leakage of seal; the valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s1         cher       Integral valve with welded valve body, free of external leakage, etc.         s2       Cher       The most advanced support plate structure	Operat					
temper ature Operat ing pressu re Materi al Design standa API 6D, ASME B16.34 rd Structu ral ASME B16.10 length Conne cting conne construction cont cont cont cont cont cont cont co	ing	-593, 220 (the range of service temperature may yary for different materials)				
Operating       CL150-CL2500         re       Material       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design       standa       API 6D, ASME B16.34         rd       ASME B16.10         length       ASME B16.5, ASME B16.25         cting       ASME B16.5, ASME B16.25         ret       API 598, API 6D, ISO 5208         rd       Operation         ion       Mathematical and antural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         fields       Other         The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded valve body, free of external leakage, etc.         s 2       Chter         fire resisting construction of all-welded ball valve. Each leakage position is designed with flexifier emark         graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service life or valves is greatl	temper	-555 Z26 (the range of service temperature may vary for different materials)				
Operating       CL150-CL2500         re       Material       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design       standa       API 6D, ASME B16.34         rd       ASME B16.10         length       ASME B16.5, ASME B16.25         cting       ASME B16.5, ASME B16.25         ret       API 598, API 6D, ISO 5208         rd       Operation         ion       Mathematical and antural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         fields       Other         The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded valve body, free of external leakage, etc.         s 2       Chter         fire resisting construction of all-welded ball valve. Each leakage position is designed with flexifier emark         graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service life or valves is greatl	ature					
ing pressu       CL150-CL2500         Materi al       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design standa       API 6D, ASME B16.34         rd       ASME B16.10         length       ASME B16.5, ASME B16.25         Conne cting end/td       ASME B16.5, ASME B16.25         Test standa       API 598, API 6D, ISO 5208         rd       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       API 598, API 6D, ISO 5208         rd       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         leakage is not liable to happen.       Other         The resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements i case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating t						
pressu       CL 190-CL2500         Materi al       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         al       API 6D, ASME B16.34         rd       Structu         ral       ASME B16.10         length       Conne         cting       ASME B16.5, ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Conne         cting       ASME B16.5, ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Operat         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Handle, worm, motor-drive unit, pneumatic drive unit         d       Liekage is not liable to happen.         Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         leakage is not liable to happen.       Other         remark       Integral valve with welded valve body, free of external leakage, etc.         s 2       Cother         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexifier emark         graphite packing or stainless steel mixing graphit	I . I					
re         Materi       A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.         Design       API 6D, ASME B16.34         rd       ASME B16.10         Image: Structural in the structure in the structu		CL150-CL2500				
Materi al       A105N, A182 F304, F304L, F316L, A352 LF2, LF2, etc.         Design standa       API 6D, ASME B16.34         rd       ASME B16.10         length       ASME B16.5, ASME B16.25         Conne cting end/td       ASME B16.5, ASME B16.25         >       Test standa         Test standa       API 598, API 6D, ISO 5208         rd       Operat ion metho         Operat ion metho       Handle, worm, motor-drive unit, pneumatic drive unit         d       Oli and natural gas pipelines, and urban gas pipeline fields         Other remark       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other remark       Integral valve with welded valve body, free of external leakage, etc. s 2         Other remark       Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other remark       The most advanced support plate structure both at home and abroad is adopted for large remark         Other remark       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark         Structure       Structure both at home and abroad is adopted for large remark         Structure	pressu					
al       A105N, A182 F304, F304L, F316L, F316L, A352 LF2, LF2, etc.         Design standa       API 6D, ASME B16.34         rd       Structu rai       ASME B16.10         length       Conne cring end/td       ASME B16.5, ASME B16.25         Structu rai       ASME B16.5, ASME B16.25       ASME B16.25         Test standa       API 598, API 6D, ISO 5208       API 6D, ISO 5208         rd       Operation       Handle, worm, motor-drive unit, pneumatic drive unit         d       API 598, API 6D, ISO 5208       API 6D, ISO 5208         rd       Operation       Oil and natural gas pipelines, and urban gas pipeline         fields       Cili and natural gas pipelines, and urban gas pipeline         fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1       leakage is not liable to happen.         Other       The resisting construction of all-welded ball valve. Each leakage position is designed with flexi remark       graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3       case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark       Graphite diameters to increase the service life and reduce the operating torque of valve. Thus, the servife of valves is greatly extended. <t< td=""><td>re</td><td></td></t<>	re					
al       A105N, A182 F304, F304L, F316L, F316L, A352 LF2, LF2, etc.         Design standa       API 6D, ASME B16.34         rd       Structu rai       ASME B16.10         length       Conne cring end/td       ASME B16.5, ASME B16.25         Structu rai       ASME B16.5, ASME B16.25       ASME B16.25         Test standa       API 598, API 6D, ISO 5208       API 6D, ISO 5208         rd       Operation       Handle, worm, motor-drive unit, pneumatic drive unit         d       API 598, API 6D, ISO 5208       API 6D, ISO 5208         rd       Operation       Oil and natural gas pipelines, and urban gas pipeline         fields       Cili and natural gas pipelines, and urban gas pipeline         fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1       leakage is not liable to happen.         Other       The resisting construction of all-welded ball valve. Each leakage position is designed with flexi remark       graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3       case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark       Graphite diameters to increase the service life and reduce the operating torque of valve. Thus, the servife of valves is greatly extended. <t< td=""><td>Materi</td><td></td></t<>	Materi					
Design standa       API 6D,ASME B16.34         rd       ASME B16.10         length       ASME B16.5,ASME B16.25         Conne       ASME B16.5,ASME B16.25         rd       ASME B16.5,ASME B16.25         rd       ASME B16.5,ASME B16.25         rd       API 598, API 6D, ISO 5208         rd       API 598, API 6D, ISO 5208         rd       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Applic         ation       Oil and natural gas pipelines, and urban gas pipeline         fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Cother       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is emark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         cother       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is case of a fire.         Cother       Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi s 3         case of a fire.       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the s		A105N, A182 F304, F304L, F316, F316L, A352 LF2, LF2, etc.				
standa       API 6D,ASME B16.34         rd       Structural         rai       ASME B16.10         length       Connecting         Connecting       ASME B16.5,ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Operation         ion       Oil and natural gas pipelines, and urban gas pipeline         fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Cother         remark       Integral valve with welded valve body, free of external leakage, etc.         s 2       Cother         remark       Integral valve with welded valve body, free of external leakage, etc.         s 2       Cother         remark       Integral valve with welded valve body, free of external leakage, etc.         s 2       Cother         remark       Integral valve with welded valve body, free of external leakage, etc.         s 3       case of a fire.						
rd         Structu ral       ASME B16.10         length       Conne cting end/td       ASME B16.5,ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Applic         ation       Oil and natural gas pipelines, and urban gas pipeline         fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is onstruction of all-welded valve body, free of external leakage, etc.         s 2       Cher         Cher       Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexit graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3         case of a fire.       Cher         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark valve pit is required, only a small shallow pit needs to be built on ground, so the constructior s 5         cother <td< td=""><td></td><td></td></td<>						
Structural       ASME B16.10         Iength       Conne         Conne       ASME B16.5,ASME B16.25         Structural       ASME B16.5,ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Operation         ion       Oil and natural gas pipelines, and urban gas pipeline         fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded with welded valve body, free of external leakage, etc.         s 2       Cother         remark       Integral valve with welded valve body, free of external leakage, etc.         s 2       case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark valve pit is required, only a small shallow pit needs to be built on ground, so the constructior s 5         cost and the engineering time can be significantly saved.	standa	API 6D,ASME B16.34				
ral       ASME B16.10         length       Conne         cting       ASME B16.5,ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Oil and natural gas pipelines, and urban gas pipeline         fields       Other         The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is emark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded with flexible seal ring for zero leakage, etc.         s 2       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         remark       Integral valve with welded ball valve. Each leakage position is designed with flexi remark         graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service life of valves is greatly extended.         Other       The directly-buried all-	rd					
ral       ASME B16.10         length       Conne         cting       ASME B16.5,ASME B16.25         >       Test         standa       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Oil and natural gas pipelines, and urban gas pipeline         fields       Other         The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is emark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded with flexible seal ring for zero leakage, etc.         s 2       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         remark       Integral valve with welded ball valve. Each leakage position is designed with flexi remark         graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service life of valves is greatly extended.         Other       The directly-buried all-	Structu					
length         Conne         cting         end/td         >         Test         standa         API 598, API 6D, ISO 5208         rd         Operation         ion         metho         Handle, worm, motor-drive unit, pneumatic drive unit         d         Applic         ation         fields         Other         The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other         remark         Integral valve with welded valve body, free of external leakage, etc.         s 2         Other         remark         graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other         The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv is 4         Other         The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark valve pit is required, only a small shallow pit needs to be built on ground, so the constructior s 5						
Connecting end/td       ASME B16.5, ASME B16.25         Test standa       API 598, API 6D, ISO 5208         rd       Operation         ion metho       Handle, worm, motor-drive unit, pneumatic drive unit         d       Operation         oin       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded valve body, free of external leakage, etc.         s 2       Other         remark       Integral valve with welded valve body, free of external leakage, etc.         s 2       Chter         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service if of valves is greatly extended.         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark         valve pit is required, only a small shallow pit needs to be built on		AGIVIE DTO.TU				
cting end/td       ASME B16.5,ASME B16.25         Test standa       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Applic         ation       Oil and natural gas pipelines, and urban gas pipeline         fields       Other         The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi remark graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service life of valves is greatly extended.         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark valve pit is required, only a small shallow pit needs to be built on ground, so the constructior s 5 cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and capacity and capacity and capacity and capacity and	length					
end/id       ASME B16.5, ASME B16.25         Test standa       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Applic         ation       Oil and natural gas pipelines, and urban gas pipeline         fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded with welded valve body, free of external leakage, etc.         s 2       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi remark graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3         Cother       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service life of valves is greatly extended.         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark valve pit is required, only a small shallow pit needs to be built on ground, so the constructior s 5         Cother       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and comaremark valve pit is requir	Conne					
end/id       ASME B16.5, ASME B16.25         Test standa       API 598, API 6D, ISO 5208         rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Applic         ation       Oil and natural gas pipelines, and urban gas pipeline         fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded with welded valve body, free of external leakage, etc.         s 2       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi remark graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3         Cother       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service life of valves is greatly extended.         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark valve pit is required, only a small shallow pit needs to be built on ground, so the constructior s 5         Cother       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and comaremark valve pit is requir	cting					
>         Test standa       API 598, API 6D, ISO 5208         rd       Operat ion metho       Handle, worm, motor-drive unit, pneumatic drive unit         d       Applic ation       Oil and natural gas pipelines, and urban gas pipeline         fields       Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded with welded valve body, free of external leakage, etc.         s 2       Integral valve with welded valve body, free of external leakage, etc.         s 3       case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv life of valves is greatly extended.         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark         valve pit is required, only a small shallow pit needs to be built on ground, so the constructior cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and cemark	1 °	ASME B16.5,ASME B16.25				
Test standa       API 598, API 6D, ISO 5208         rd       Operat ion metho       Handle, worm, motor-drive unit, pneumatic drive unit         d       Applic ation       Oil and natural gas pipelines, and urban gas pipeline         fields       Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded with welded valve body, free of external leakage, etc.         s 2       Integral valve with welded valve body, free of external leakage, etc.         s 2       Chter         remark       Integral valve with welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3         Chter       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service if of valves is greatly extended.         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark         valve pit is required, only a small shallow pit needs to be built on ground, so the constructior cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and commark						
standa rd       API 598, API 6D, ISO 5208         Operat ion metho d       Handle, worm, motor-drive unit, pneumatic drive unit         Applic ation fields       Oil and natural gas pipelines, and urban gas pipeline         Other fields       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other remark       Integral valve with welded valve body, free of external leakage, etc. s 2         Other remark       Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3         Other remark       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv s 4         Other remark       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 constructior s 5         Cother remark       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark						
rd       Operation         ion       Handle, worm, motor-drive unit, pneumatic drive unit         d       Applic ation       Oil and natural gas pipelines, and urban gas pipeline         fields       Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       The valve seat is embedded with welded valve body, free of external leakage, etc.         s 2       Integral valve with welded valve body, free of external leakage, etc.         graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       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 constructior cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the engineering time can be significantly saved.	Test					
Operation       Handle, worm, motor-drive unit, pneumatic drive unit         Applic       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv life of valves is greatly extended.         Other       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 constructior cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the engineering time can be significantly saved.	standa	API 598, API 6D, ISO 5208				
Operation       Handle, worm, motor-drive unit, pneumatic drive unit         Applic       Oil and natural gas pipelines, and urban gas pipeline         fields       Oil and natural gas pipelines, and urban gas pipeline         Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv life of valves is greatly extended.         Other       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 constructior cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the engineering time can be significantly saved.	rd					
ion       metho         Applic       Applic         ation       Oil and natural gas pipelines, and urban gas pipeline         fields       Other         The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv s 4         Other       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 constructior s 5         Cother       The directly-buried all-welded ball valve can be significantly saved.         Other       The directly-buried all-welded ball valve can be built on ground, so the construction remark         valve pit is required, only a small shallow pit needs to be built on ground, so the construction remark         valve pit of valve convenient for pigging, of small flow resistance and high flow capacity anditemeters						
metho dHandle, worm, motor-drive unit, pneumatic drive unitApplic ation fieldsOil and natural gas pipelines, and urban gas pipelineOther remarkThe valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, leakage is not liable to happen.Other remarkIntegral valve with welded valve body, free of external leakage, etc. s 2Other remarkFire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.Other remarkThe most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv life of valves is greatly extended.Other remarkThe 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 s 5Other remarkFull bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark	I . I					
d         Applic ation fields         Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv is 4         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark         valve pit is required, only a small shallow pit needs to be built on ground, so the constructior s 5       cost and the engineering time can be significantly saved.         Other remark       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and	lion					
Applic ation       Oil and natural gas pipelines, and urban gas pipeline         fields       Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv ife of valves is greatly extended.         Other       The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark         valve pit is required, only a small shallow pit needs to be built on ground, so the constructior s 5       cost and the engineering time can be significantly saved.         Other remark       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and	metho	Handle, worm, motor-drive unit, pneumatic drive unit				
ation fieldsOil and natural gas pipelines, and urban gas pipeline fieldsOther remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, leakage is not liable to happen.Other remark s 1Integral valve with welded valve body, free of external leakage, etc. s 2Other remark graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.Other remark s 3Other remark s 4The most advanced support plate structure both at home and abroad is adopted for large remark s 4Other remark s 5Other remark s 4The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark valve pit is required, only a small shallow pit needs to be built on ground, so the construction s 5Other remark remarkFull bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark	d					
ation fieldsOil and natural gas pipelines, and urban gas pipelineOther remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, leakage is not liable to happen.Other remark s 1Integral valve with welded valve body, free of external leakage, etc. s 2Other remark graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.Other remark s 3Other remark s 4The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv life of valves is greatly extended.Other remark s 4The directly-buried all-welded ball valve can be buried directly, in which case, no high and large remark valve pit is required, only a small shallow pit needs to be built on ground, so the construction s 5Other remarkFull bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark						
fields       Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Image: State of the search o	Applic					
fields       Other       The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       leakage is not liable to happen.         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       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 s 5         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the remark	ation	Oil and natural gas pipelines, and urban gas pipeline				
Other remark         The valve seat is embedded with flexible seal ring for zero leakage of seal; the valve seat is remark provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1           Other remark         leakage is not liable to happen.           Other remark         Integral valve with welded valve body, free of external leakage, etc. s 2           Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.           Other         The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv s 4           Other         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 s 5           Other remark         Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the merk						
remark       provided with a preloaded spring that is adaptive to the variation of pressure and temperature, s 1         Other       leakage is not liable to happen.         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3         Other       The most advanced support plate structure both at home and abroad is adopted for large remark         Other       The most advanced support plate structure both at home and abroad is adopted for large remark         diameters to increase the service life and reduce the operating torque of valve. Thus, the serv s 4         Other       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 s 5         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark		The second second states in the first the first second states in the second states of the second states are the				
s 1       leakage is not liable to happen.         Other       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other         Other       Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi         graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       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 s 5         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark flow resistance and high flow capacity and the remark						
Other remark         Integral valve with welded valve body, free of external leakage, etc.           s 2         Other         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.           Other         The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4           Other         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 s 5           Other remark         Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark	remark					
remark       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other       Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       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 s 5         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the market of the pigging.	s1	leakage is not liable to happen.				
remark       Integral valve with welded valve body, free of external leakage, etc.         s 2       Other       Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       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 s 5         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the market of the pigging.	Other					
s 2         Other       Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       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 s 5         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the remark		Integral value with welded value body free of external leakage, etc.				
Other remark         Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexi graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in s 3           Other         The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the serv s 4           Other         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 s 5           Other remark         Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the remark		nitegral valve with welded valve body, hee of external learage, etc.				
remark       graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Other       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 s 5         Other       cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and high flow capacity and the engineering time can be stated and the engineering						
s 3       case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Ilife of valves is greatly extended.         Other         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 s 5         Other         Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark	Other	Fire resisting construction of all-welded ball valve. Each leakage position is designed with flexible				
s 3       case of a fire.         Other       The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         Ilife of valves is greatly extended.         Other         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 s 5         Other         Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and remark	remark	graphite packing or stainless steel mixing graphite to satisfy the fire resisting requirements in				
Other remark         The most advanced support plate structure both at home and abroad is adopted for large remark diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4           Other         Ife of valves is greatly extended.           Other         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 s 5           Other remark         Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and						
remark       diameters to increase the service life and reduce the operating torque of valve. Thus, the service s 4         s 4       life of valves is greatly extended.         Other       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 s 5         Other       cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and						
s 4       life of valves is greatly extended.         Other       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 s 5         Cother       cost and the engineering time can be significantly saved.         Other       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and						
Other remark         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 s 5           Other remark         cost and the engineering time can be significantly saved.           Other remark         Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and						
remark       valve pit is required, only a small shallow pit needs to be built on ground, so the construction s 5         s 5       cost and the engineering time can be significantly saved.         Other remark       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and	s 4	life of valves is greatly extended.				
remark       valve pit is required, only a small shallow pit needs to be built on ground, so the construction s 5         s 5       cost and the engineering time can be significantly saved.         Other remark       Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and	Other	The directly-buried all-welded ball valve can be buried directly, in which case, no high and large				
s 5     cost and the engineering time can be significantly saved.       Other remark     Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and						
Other Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and						
Full bore of valve convenient for pigging, of small flow resistance and high flow capacity and		cost and the engineering time can be significantly saved.				
Iremark a set of the s	Other	Full hore of valve convenient for plaging, of small flow resistance and blob flow capacity and				
	remark					
good flow characteristics	s6	good now characteristics				
		The valve ball can completely enclose the valve seat when the all-welded ball valve is opened,				
I Uther I	Other					
so the impurities in the medium will not be flushed to the valve seat or the packing surface o		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		valve body. Hence, the valve body has a same service life as the pipeline due to his special				
construction.	"	construction.				



<b></b>					
G	17733330123 🖻 micleclear	nmo@gmail.com 🕑 waterc	ontrol-valve.com		
	18-2 JinFu East Rd. Ulks Villag	ge. Futian New district. Shenzhen	. China.		