

AI
CREATE
VALUE

Most price-performance competitive bellow valve manufacturer.
Professional OEM manufacturer of bellow valve.



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COMPANY »» INTRODUCTION

Zhejiang AIV Fluid Technology Co., Ltd.



Zhejiang AIV Fluid Technology Co., Ltd. is located in NO.8 Section Wuxing Industrial Zone, Dongyuan Town, Qingtian County, Lishui City, Zhejiang Province. It covers an area of 20,000 square meters and a building area of 15,000 square meters. AIV is a professional bellows valve manufacturer, integrating valve casting, complete machine research and development, production and sales. The company was founded in 2016 with a registered capital of over 11 million RMB. Relying on a complete industrial chain, the company strives to be the first in the industry in terms of cost-effectiveness, and AIV is a key investment and high-tech enterprise in Lishui City. The company has more than 200 employees, including more than 20 senior professional titles, and 80% various specialized technicians.

The company's leading products are bellows globe valves, bellows gate valves, globe valves, check valves, Y-type strainers, etc. The company's products have been applied to Steam System, Thermal Oil System, Hot and Cold Water System, Petroleum Industry, Natural Gas Industry, Chemical Industry, Fertilizer Industry, Pharmacy Industry, Power Industry.

- Professional bellows valve OEM factory!
- Professional customization of various bellows valves!
- An enterprise with integrating casting and valve manufacturing!
- Most price-performance competitive bellow valve manufacturer!



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Most price-performance competitive bellow valve manufacturer.

WORKSHOP »» CORNER



««PROCESS CONTROL & QUALITY CONTROL

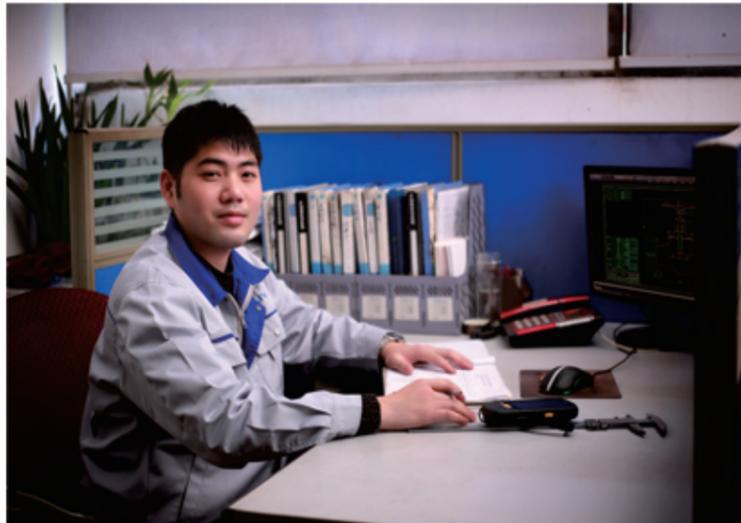
Zhejiang AIV Fluid Technology Co., Ltd.



PROFESSIONAL »» TEAM



◀ PRODUCTION DEPARTMENT

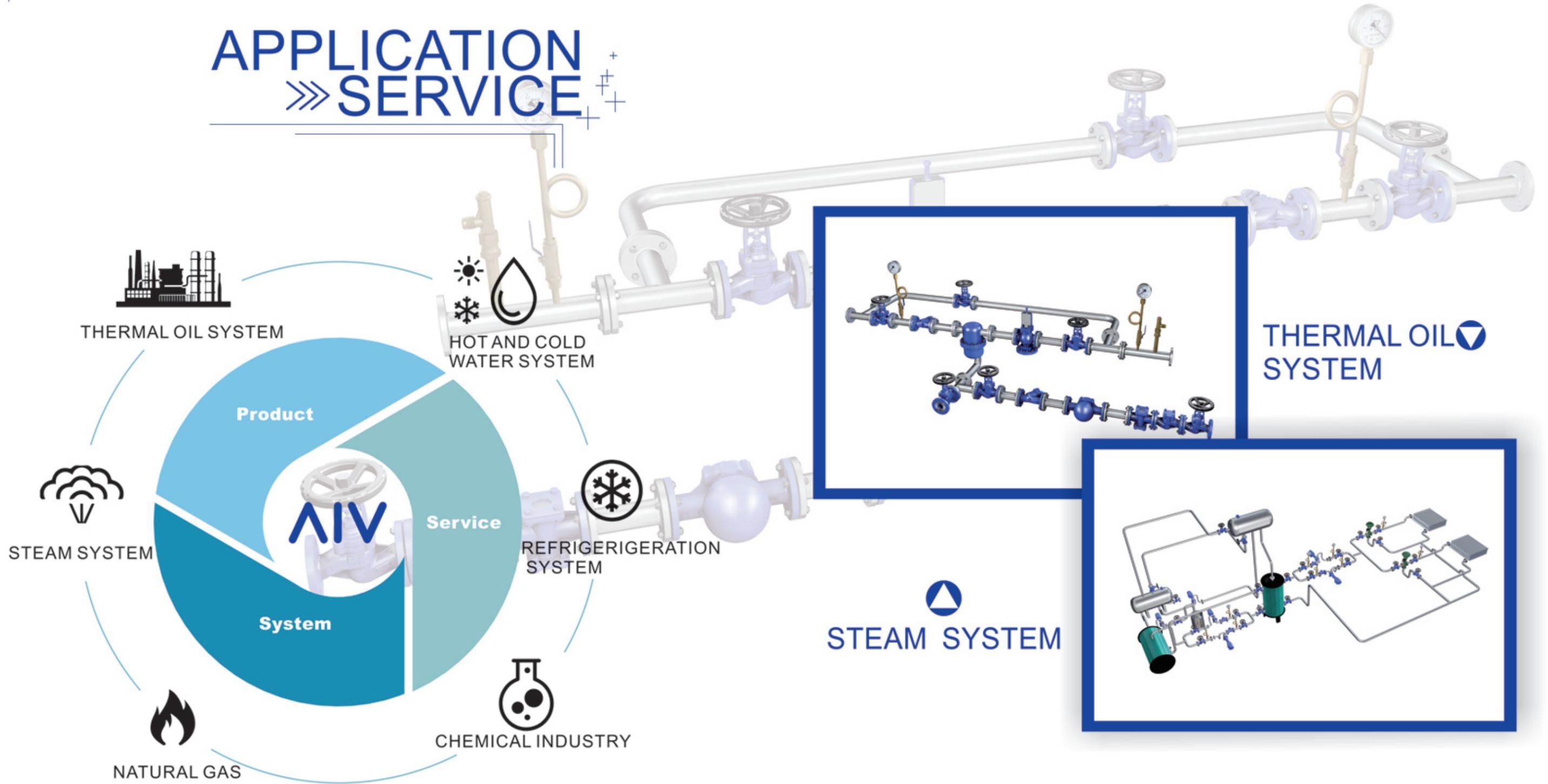


◀ TECHNICAL DEPARTMENT



Our company follows the ISO9001 quality management system, environmental safety management system, and standardized control management system. We have built an internal quality assurance system with higher than international and domestic standards and customer requirements, and implemented comprehensive and whole-process quality management. AIV has a world-class inspection center, which can independently complete all inspections and tests from product prototype test certification to final product inspection. Inspections include: radiographic testing, penetrant testing, magnetic particle testing, ultrasonic testing, spectrum analysis, positive material identification (PMI), metallographic examination, various mechanical performance tests, fire tests, ultra-low temperature tests, high temperature tests, vacuum tests, low leakage tests, high pressure gas tests, hydrodynamic tests, product life tests, conventional water pressure tests, and a series of valve experiments. In order to ensure the quality of the casting blanks, AIV has its own casting factory, which effectively controls each process from raw material production to finished product delivery. In addition, AIV actively implements Six Sigma management, implements a "zero defect" project within the company, and achieves continuous improvement of process control and management capabilities through advanced statistical analysis of data.

APPLICATION »» SERVICE





STEAM SYSTEM



THERMAL OIL SYSTEM



HOT AND COLD WATER SYSTEM



NATURAL GAS INDUSTRY



PETROLEUM INDUSTRY



FERTILIZER INDUSTRY



PHARMACY INDUSTRY



CHEMICAL INDUSTRY

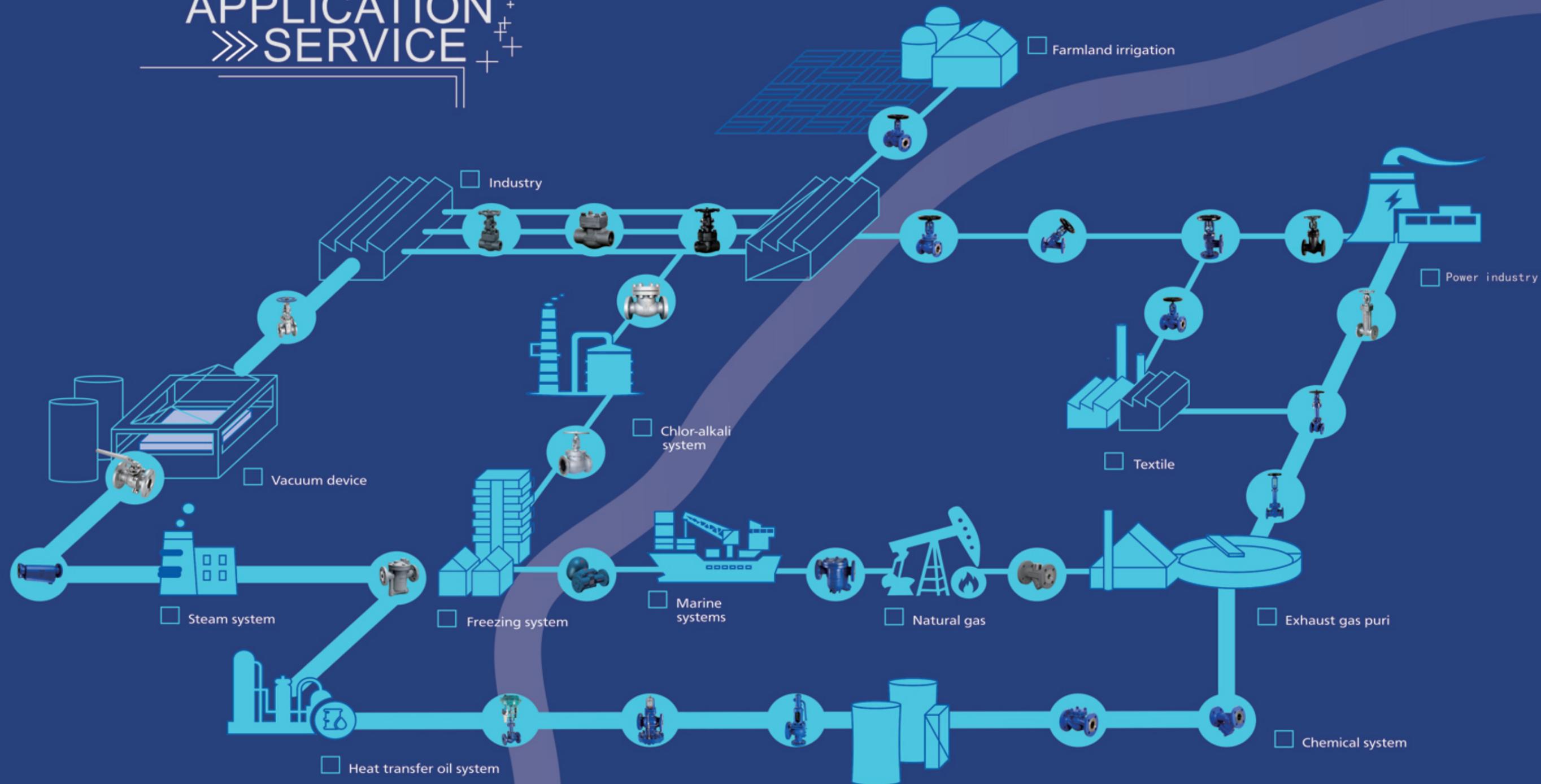


POWER INDUSTRY

APPLICATION
»» SERVICE



APPLICATION SERVICE



TECHNICAL SERVICES

According the description of working condition, we work carefully in valve selection. We know almost all dangerous media transportation application with extreme temperature and pressure, and provide the best selection of valves and services for each application. Selection service include regular standard products and customized products. It consists of working condition consultation, valves selection, operation structure selection and other services according to special requirements. AIV is one of the best choices for your partnership.

AIV bellow valve is designed with conical disc and double sealing structure include bellows and packing. Research and development of new materials to provide outstanding performance of wear resistance and corrosion resistance. Advanced hydraulic simulation software helps us optimize valves for the flow process. Customers can benefit from safety working cycles, improved energy efficiency and reduced operation costs.



AIV is widely applied in industrial processes, special media transmission and energy conversion worldwide. AIV takes the lead in customizing and introducing advanced equipment. Such as valve automatic processing center, Spanish automatic testing equipment, Oxford spectrometer, micro-computer controlled CO2 gas shielded surfacing machine, low temperature impact testing machine, tension testing machine, torque and life testing equipment. Advanced equipment ensure quality and safety.

We will always offer our customers with the most economical solution. Our products are widely applied in the field of energy efficiency, it is the result of precise design and selection. Efficient automatic control system helps customers to develop the potential of energy saving, in order to maintain the safe and economic operation of factories.



Sealing Technology

Conical seal design
It can magnify the axial force from valve stem into sealing force. Under the same pressure, greater sealing pressure can be obtained. Closing is easier and sealing performance is better.

Double seal design
Bellows and packing double sealing design for double safety. Which makes the sealing at the valve stem safer and more reliable, and conforms to international sealing standards.



Protective Space Design of Bellows

Protective space design can be added. Bellows are placed in a protective space and are not directly affected by pressure and temperature of media.



Low Noise, Low Flutter

Reduce noise and tremble
Equipped with center positional system, it can effectively reduce the vibration of valve in operation.

 < 60 dB

 ↑ 150%

Casting Technology of German Coated Sand

Body Smoothness
12.5-25 μm

>98%
No Stomata, Sand Holes and Cracks

100%
Effective Wall Thickness Standard

Corrugated Pipe

Bellows components
Extended and multiple layer, anti-torsion and long life bellows can completely refresh the opening and closing life of domestic bellows, up to 10000 times.

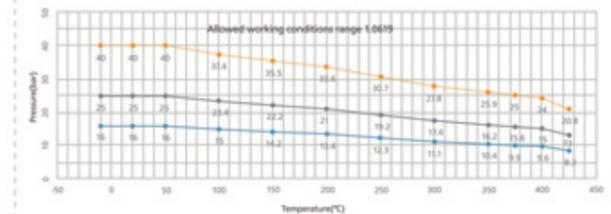
Opening and Closing Life
10,000 (MAX)

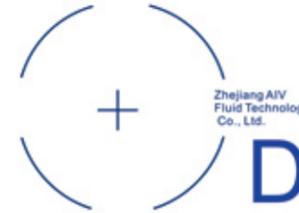
0 Leakage

100% bellows components and valves qualified according to the fugitive emission test standard ISO15848-A standard when they leave the factory. Ensure zero leakage.

ISO15848 A

Technical Analysis





DIN BELLOW »» GLOBE VALVE

Technical specification

Design standard: DIN 3356
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

Hot oil system, steam system,
hot and cold water system etc.



Advantage

1. Bellow seal element. The key part of bellow sealed globe valves is mental bellow. It is the connection between cover and stem with automatic roll welding. The mental bellow can keep the stem part no leakage.
2. Benefit from the conical and streamline shape design, the disc has a reliable seal and longer service life.
3. Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide excellent seal.
4. Grease nipple. It can direct lubricate the stem, nut and sleeve.
5. Size above DN150 with triangle position device. It can protect internal parts from shaking, less noise and more tensile strength.
6. Different disc design for different work condition, regulating disc, globe-check disc, soft seal disc etc.
7. Ergonomic hand wheel. It provide longer service life and easier operation.

Main part materials

Part name	Material	Part name	Material
Body	GS-C25, GGG-40, 1.4401, 1.4408	Nut	ASTM 194-2H, A194-8
Seat	1.4301, Stellite	Double-headed bolt	ASTM 194-B7, A193-B8
Disc	1.4021, 1.4401+ Stellite	Packing	Flexible graphite
Pin	1.4301, 1.4401	Gland	1C25, 1.4301, 1.4401
Bellow assemble	1.4301, 1.4401	Locator	1C25
Stem	1.4021, 1.4301, 1.4401	Stem nut	Copper alloy, D2, BL2
Gasket	Flexible graphite + stainless steel	Hand wheel	1025/KTH330
Cover	GS-C25, GGG-40, 1.4401, 1.4408	Cap	1C45

BELLOW »» GLOBE VALVE



ANSI BELLOW »» GLOBE VALVE

Technical specification

Design standard: ASME B16.34
Face to face dimension: ASME B16.10
Flanged ends: ASME B16.5
Test & inspection: API 598

Application

Hot oil system, steam system, hot and cold water system etc.

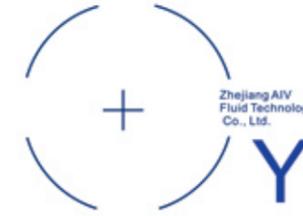
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6. Different disc design for different work condition, regulating disc, globe-check disc, soft seal disc etc.
7. Ergonomic hand wheel. It provide longer service life and easier operation.



Main part materials

Part name	Material	Part name	Material
Body	WCB, CF8, CF3	Nut	ASTM 194-2H, A194-8
Seat	304, Stellite	Double-headed bolt	ASTM 194-B7, A193-B8
Disc	13Cr, F304, F316	Packing	Flexible graphite
Pin	SS304, SS316	Gland	WCB, CF8, CF3
Bellow assemble	SS304, SS316L	Locator	1045
Stem	13Cr, F304, F316	Stem nut	Copper alloy, D2, BL2
Gasket	Flexible graphite + stainless steel	Hand wheel	1025/KTH330
Cover	WCB, CF8, CF3	Cap	1025



Y TYPE BELLOW »» GLOBE VALVE

Technical specification

Design standard: DIN 3356
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

Hot oil system, steam system, hot and cold water system etc.

Advantage

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5. Ergonomic hand wheel. It provide longer service life and easier operation.



Main part materials

Part name	Material	Part name	Material
Body	GS-C25, 1.4301, 1.4408	Nut	ASTM 194-2H, A194-8
Seat	1.4301, Stellite	Double-headed bolt	ASTM 194-B7, A193-B8
Disc	1.4021, 1.4401	Packing	Flexible graphite
Pin	1.4301, 1.4401	Gland	1C25, 1.4401
Stem	1.4021, 1.4401	Locator	1C25
Bellow assemble	1.4021, 1.4401	Stem nut	Copper alloy, D2, BL2
Gasket	Flexible graphite + stainless steel	Hand wheel	1025/KTH330
Cover	GS-C25, 1.4301, 1.4408	Cap	1C45



ANGLE TYPE BELLOW »» GLOBE VALVE

Technical specification

Design standard: DIN 3356
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

Hot oil system, steam system, hot and cold water system etc.

Advantage

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4. Grease nipple. It can direct lubricate the stem, nut and sleeve.
5. Ergonomic hand wheel. It provide longer service life and easier operation.



Main part materials

Part name	Material	Part name	Material
Body	GS-C25, 1.4301, 1.4408	Nut	ASTM 194-2H, A194-8
Seat	1.4301, Stellite	Double-headed bolt	ASTM 194-B7, A193-B8
Disc	1.4021, 1.4401	Packing	Flexible graphite
Pin	1.4301, 1.4401	Gland	1C25, 1.4401
Stem	1.4201, 1.4401	Locator	1C25
Bellow assemble	1.4021, 1.4401	Stem nut	Copper alloy, D2, BL2
Gasket	Flexible graphite + stainless steel	Hand wheel	1025/KTH330
Cover	GS-C25, 1.4301, 1.4408	Cap	1C45



FORGED STEEL BELLOW »» GLOBE VALVE

Technical specification

Design standard: DIN 3356
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

Hot oil system, steam system, hot and cold water system etc.

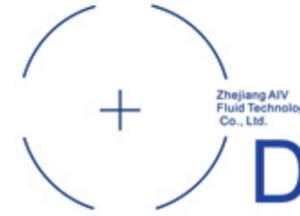
Advantage

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2. Benefit from the conical and streamline shape design, the disc has a reliable seal and longer service life.
3. Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide excellent seal.
4. Grease nipple. It can direct lubricate the stem, nut and sleeve.
5. Ergonomic hand wheel. It provide longer service life and easier operation.



Main part materials

Part name	Material	Part name	Material
Body	A105N, F304, F316	Nut	ASTM 194-B7, A193-B8
Seat	304, Stellite	Double-headed bolt	Flexible graphite
Disc	2Cr13, F304, F316	Packing	A105N, F304, F316
Pin	SS304, SS316	Gland	ASTM 194-B7, A193-B8
Bellow assemble	SS304, SS316L	Locator	ASTM 194-2H, A194-8
Stem	2Cr13, F304, F316	Stem nut	Copper alloy, D2
Gasket	Flexible graphite + stainless steel	Hand wheel	Carbon steel
Cover	A105N, F304, F316	Cap	45#



DIN BELLOW »» GATE VALVE

Technical specification

Design standard: DIN 3352
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

Hot oil system, steam system, hot and cold water system etc.

Advantage

1. Bellow seal element. The key part of bellow sealed globe valves is mental bellow. It is the connection between cover and stem with automatic roll welding. The mental bellow can keep the stem part no leakage.
2. Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide excellent seal.
3. Grease nipple. It can direct lubricate the stem, nut and sleeve.
4. Ergonomic hand wheel. It provide longer service life and easier operation.



Main part materials

Part name	Material	Part name	Material
Body	GS-C25, 1.4301, 1.4408	Gasket	Stainless steel+ Flexible graphite
Disc	GS-C25+1.4201, 1.4301	Bonnet	GS-C25, 1.4301, 1.4408
Seat	1.4301, Stellite	Nut	ASTM 194-2H, A194-8
Stem	1.4021, 1.4301, 1.4401	Packing	Flexible graphite
Bellow assemble	1.4301, 1.4401	Gland	GS-C25, 1.4301
Double-headed bolt	ASTM 193-B7, A193-B8	Nut	ASTM 194-2H, A194-8
Nut	ASTM 194-2H, A194-8	Jack bolt	ASTM 193-B7, A193-B8
Gasket	Stainless steel+ Flexible graphite	Stem nut	Copper alloy, D2, BL-2
Nut	ASTM 194-2H, A194-8	Oil cup	Assemble
Middle yoke	GS-C25, 1.4301, 1.4408	Cap	1C45, 1.4301, 1.4401
Double-headed bolt	ASTM 193-B7, A193-B8	Hand wheel	1025/KTH330
Nut	ASTM 194-2H, A194-8		

BELLOW »» GATE VALVE



ANSI BELLOW »» GATE VALVE

Technical specification

Design standard: ASME B16.34
Face to face dimension: ASME B16.10
Flanged ends: ASME B16.5
Test & inspection: API 598

Application

Hot oil system, steam system, hot and cold water system etc.

Advantage

1. Bellow seal element. The key part of bellow sealed globe valves is mental bellow. It is the connection between cover and stem with automatic roll welding. The mental bellow can keep the stem part no leakage.
2. Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide excellent seal.
3. Grease nipple. It can direct lubricate the stem, nut and sleeve.
4. Ergonomic hand wheel. It provide longer service life and easier operation.



Main part materials

Part name	Material	Part name	Material
Body	WCB, CF8, CF8M	Nut	ASTM 194-2H, A194-8, A194-8M
Seat	Ss304, Stellite	Gasket	Stainless steel+ Flexible graphite
Disc	WCB+ 13Cr, CF8, CF8M	Seal bowl	Ss304, SS316
Stem	13Cr, F304, F316	Packing	Flexible graphite
Bellow assemble	SS304, SS316L	Extremely heavy pin	1045, SS304, SS316
Screw nut	ASTM 194-2H, A194-8, A194-8M	Extremely heavy bolt	ASTM 193-B7, A193-B8, A193-B8M
Stud	ASTM 193-B7, A193-B8, A193-B8M	Extremely heavy nut	ASTM 194-2H, A194-8, A194-8M
Nut	ASTM 194-2H, A194-8, A194-8M	Gland	WCB, CF8, CF8M
Gasket	Stainless steel+ Flexible graphite	Stem nut	Copper alloy, D2, BL-2
Yoke	WCB, CF8, CF8M	Bearing nut	1045, SS304, SS316
Nut	ASTM 194-2H, A194-8, A194-8M	Hand wheel	1025/KTH330
Stud	ASTM 193-B7, A193-B8, A193-B8M	Lock nut	1045



FORGED STEEL BELLOW »» GLOBE VALVE

Technical specification

Design standard: DIN 3356
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

Hot oil system, steam system, hot and cold water system etc.

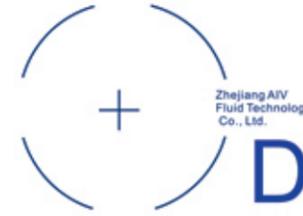
Advantage

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2. Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide excellent seal.
3. Grease nipple. It can direct lubricate the stem, nut and sleeve.
4. Ergonomic hand wheel. It provide longer service life and easier operation.



Main part materials

Part name	Material	Part name	Material
Body	A105N, F304, F316	Pin	45#, F304, F316
Seat	Ss304, Stellite	Bolt	ASTM 193-B7, A193-B8, A193-B8M
Disc	A105N+ 2Cr13, 304		
Stem	2Cr13, F304, F316	Stem nut	ASTM 194-2H, A194-8, A194-8M
Bellow assemble	Ss304, SS316	Packing bushing	2Cr13, F304, F316
Gasket	Flexible graphite + stainless steel	Packing gland	A105N, F304, F316
Packing	Flexible graphite	Stem nut	Copper alloy, D2
Bolt	ASTM 193-B7, A193-B8, A193-B8M	Hand wheel	1025/KTH330
		Cap	45#
		Bonnet	A105N, F304, F316



DIN GLOBE »» VALVE

Technical specification
 Design standard: DIN 3356
 Face to face dimension: DIN 3202
 Flanged ends: DIN 2543-2545
 Test & inspection: DIN 3230

Application
 Hot oil system, steam system, hot and cold water system etc.

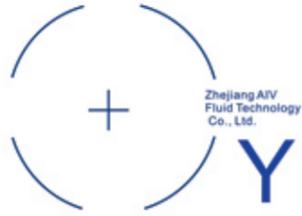
- Advantage**
1. The valve body adopts German coated sand manufacturing technology, which is more advanced, filling up the disadvantages of easy leakage and high pollution of the traditional casting process, ensuring the valve zero leakage.
 2. The valve disc adopts a tapered design. The sealing surface and the medium are streamlined, with better sealing performance and longer service life.
 3. Treated by quenching and tempering and surface nitriding, the stems have good performance of anti-corrosion and anti-friction.
 4. Ergonomic hand wheel. It provide longer service life and easier operation.



STEAM »» VALVE

Main part materials

Part name	Material	Part name	Material
Body	GS-C25, 1.4301, 1.4408	Double-headed bolt	ASTM 194-B7, A193-B8
Seat	1.4301, Stellite	Bonnet	GS-C25, 1.4301, 1.4408
Disc	1.4021, 1.4301+ Stellite	Gland	GS-C25, 1.4301
Cap	1C45, 1.4301, 1.4401	Jack bolt	ASTM 194-B7, A193-B8
Stem	1.4021, 1.4301, 1.4401	Nut	ASTM 194-2H, A194-8
Gasket	Flexible graphite + stainless steel	Stem nut	Copper alloy, D2, BL2
Packing	Flexible graphite	Hand wheel	1025/KTH330
Nut	ASTM 194-2H, A194-8	Nut	ASTM 194-2H, A194-8

Zhejiang AIV
Fluid Technology
Co., Ltd.

Y TYPE »» STRAINER

Technical specification

Design standard: DIN 3356
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

Hot oil system, steam system,
hot and cold water system etc.

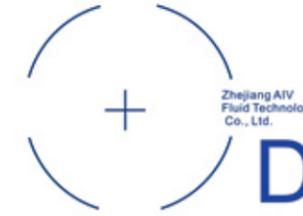
Advantage

1. DIN Y type strainer is used to separated the impurity of media. It can protect other equipment for a regular service.
2. Stainless steel filter traps make a better performance and corrosion-resistance.
3. Maintenance is easy. All you need is just to clean the filter traps.



Main part materials

Part name	Material
Body	GS-C25、1.4301、1.4408
Filter net	1.4301、1.4401
Gasket	Stainless steel + Flexible graphite
Bonnet	GS-C25、1.4301、1.4408
Nut	ASTM 194-2H、A194-8
Double-headed bolt	ASTM 193-B7、A193-B8

Zhejiang AIV
Fluid Technology
Co., Ltd.

DIN LIFT »» CHECK VALVE

Technical specification

Design standard: DIN 3356
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

Hot oil system, steam system, hot
and cold water system etc.

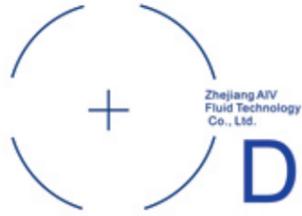
Advantage

1. DIN lift check valve is self-sealing valve. The disc can be acted t the flow which can avoid against the media flow back.
2. The disc with spring can keep the valve work in any direction.
3. Reasonable structure, reliable sealing, excellent performance and attractive appearance.



Main part materials

Part name	Material
Body	GS-C25、1.4301、1.4408
Seat	1.4301、Stellite
Disc	1.4021、1.4301+Stellite
Spring	1.4301、1.4401
Copper guide sleeve	Copper alloy、D2、BL2
Gasket	Stainless steel + Flexible graphite
Cover	GS-C25、1.4301、1.4408
Nut	ASTM 194-2H、A194-8
Double-headed bolt	ASTM 193-B7、A193-B8



DIN SAFETY »» VALVE

Technical specification

Design standard: DIN 3320
Face to face dimension: DIN 3202
Flanged ends: DIN 2543-2545
Test & inspection: DIN 3230

Application

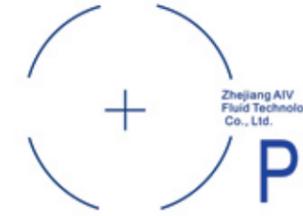
Hot oil system, steam system, hot and cold water system etc.

Advantage

Installed in the commutation of the pipeline to reduce the welding of the pipeline.

Main part materials

Part name	Material
Body	GS-C25, 1.4301, 1.4401
Seat	1.4301, Stellite
Disc	1.4021, 1.4301+Stellite
Spring	1.4301, 1.4401
Copper guide sleeve	Copper alloy, D2, BL2
Gasket	Stainless steel + Flexible graphite
Cover	GS-C25, 1.4301, 1.4401
Nut	ASTM 194-2H, A194-8
Double-headed bolt	ASTM 193-B7, A193-B8



PILOT OPERATED PRESSURE »» REDUCING VALVE

Technical specification

Design standard: Gb12244
Flanged ends: DIN
Test & inspection: GB-12244-46

Application

Hot oil system, steam system, hot and cold water system etc.

Advantage

1. Especially suitable for steam and water.
2. Max inlet pressure: 16 bar, 25 bar.
3. Outlet pressure (Springs pressure setting range): Yellow-1-3bar, Blue-2-8bar, Red-7-12bar.
4. Diameter: 15-200mm.
5. Media temperature: 0-285 degree C.
6. Max rate inlet pressure/outlet pressure: 10:1.
7. DIN, ANSI, GB.

Main part materials

Part name	Material
Body	WCB
Seat	2Cr13
Disc	2Cr13
Stem	2Cr13
Diaphragm	1Cr18Ni9
Adjustment spring	60Si2Mn
Cover	GS-C25, 1.4301, 1.4401
Nut	ASTM 194-2H, A194-8
Double-headed bolt	ASTM 193-B7, A193-B8





CONTROL »» VALVE

Technical specification

Design standard: DIN, ANSI, GB
Face to face dimension: DIN, ANSI, GB
Flanged ends: DIN, ANSI, GB
Test & inspection: DIN3230, API 598

Application

Hot oil system, steam system, hot and cold water system etc.

High strength body and applies to every high load condition.
Long distance design and control of high precision, it can be up to 50:1. Provide a variety of forms of stem seal. Maintenance free.
Optional threaded seat. It can reduce KVS value, which can up to 5 times.

With standard travel indicator.

Optional bellow seal.

Optional V-type/squirrel-cage valve head.

PNEUMATIC ACTUATORS DP32/33/34/34T

Multi-spring, compact actuators.

Rotary diaphragm with good enhancing features.

Can choose a different spring closing force.

The highest inlet pressure can up to 6 bar.

Can be equipped with emergency handwheel.

ELECTRIC ACTUATOR PREMIO 2.2KN/5KN/12KN/15KN

To use synchronous motor to control precisely.

With standard 2 torque switch and 1 limit switch.

To adopt technology sealed electronic components and it has good shock resistance.

High protection class Ip65.

Be connected with various types of system.



STEAM »» TRAP



LEVER FLOAT BALL »» STEAM TRAP

Application

Hot oil system, steam system, hot and cold water system etc.

Advantage

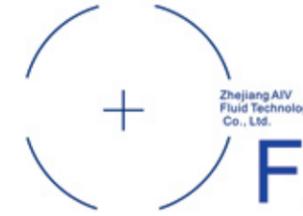
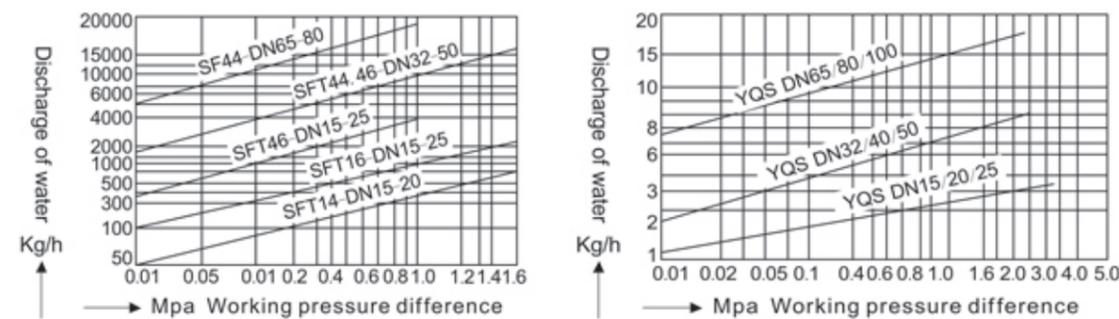
1. Two balanced valve based increase the area of flux and acquire large amount of discharged water.
2. Automatic gas discharging mixture inside can discharge the gas in time while rapidly open the equipment.
3. Stainless steel structures provide perfect anti-corrosive performances.



Main part materials

Part name	Material
Body, bonnet	WCB
Floating ball	Stainless steel
Seat	Stainless steel
Internal filters	Stainless steel
Thermal element	Kazak alloy
Gasket	Stainless steel+ Flexible graphite

Displacement Diagram



FREE FLOAT BALL »» STEAM TRAP

Application

Hot oil system, steam system, hot and cold water system etc.

Advantage

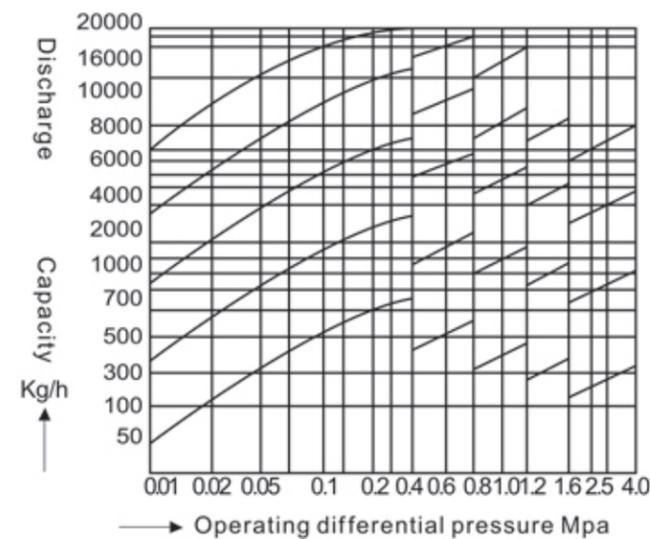
1. Stable discharge of water with large amount, small rate of steam leakage, high rate of back pressure.
2. The main part hollow floating ball of steel is finely ground in the trap.
3. The structure of stainless steel provide the ability of anti-corruption and longer service life.

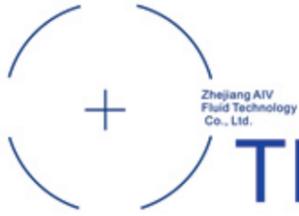


Main part materials

Part name	Material
Body, bonnet	Carbon steel, stainless steel
Floating ball	Stainless steel
Seat	Stainless steel
Internal filters	Stainless steel
Gasket	Stainless steel+ Flexible graphite

Displacement Diagram





THERMODYNAMIC »» STEAM TRAP

Application

Hot oil system, steam system, hot and cold water system etc.

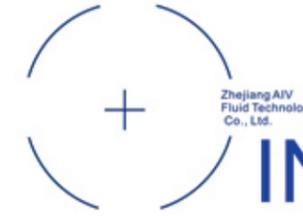
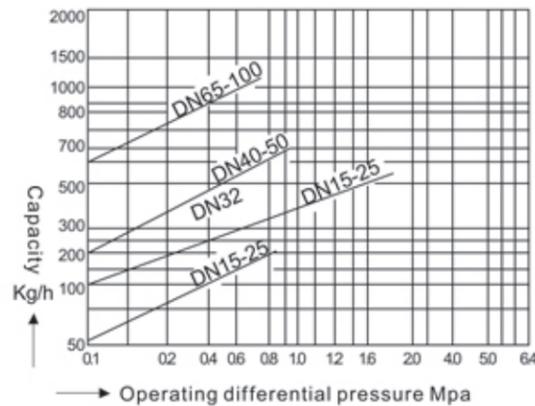
Advantage

1. This trap is featured with solid structure, light weight, small volume and different pressure without any adjustment.
2. Gas discharging equipment for rapidly discharging provide the ability of fast start.
3. Excellent ability to keep the steam from freezing.

Main part materials

Part name	Material
Body, bonnet	Carbon steel(A105), Stainless steel
Seat plate	Stainless steel
Cap	Stainless steel
Valve	Stainless steel
Filter	Stainless steel

Displacement Diagram



INVERTED BUCKET »» STEAM TRAP

Application

Hot oil system, steam system, hot and cold water system etc.

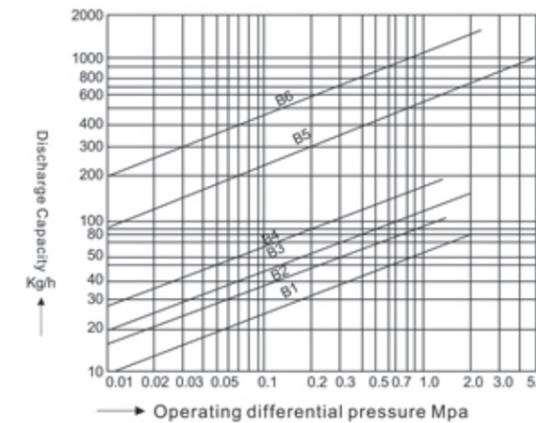
Advantage

1. Simple structure with no gemel structure and fixed abrasive. Excellent ability of energy saving.
2. Valve base is made of chrome alloy and has a long service life.
3. The waste will be constantly washed away.
4. Maintenance is facilitative.

Main part materials

Part name	Material
Body, bonnet	Carbon steel, stainless steel
Seat	Stainless steel
Internal parts	Stainless steel

Displacement Diagram





STEAM WATER »» SEPARATOR

Application

Hot oil system, steam system, hot and cold water system etc.

Advantage

1. Improve the dryness of the steam to improve the heating efficiency of the equipment and reduce the impact to the pipelines.
2. Prevent water beating. The condensed water will be discharged from the trap below the separator.

Main part materials

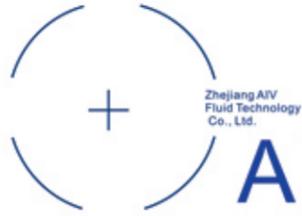
Part name	Material
Body, bonnet	WCB, Stainless steel
Seat plate	Stainless steel
Cap	Stainless steel
Valve	Stainless steel
Filter	Stainless steel+ Flexible graphite



Main connection size

Model	Nominal diameter DN	Connection	Pressure range Mpa	Max allowable Temp(C)	External dimensions(mm)			
					L	H1	H2	D
CF11	15~20	Thread	0.01~2.5	350	130	115	156	Thread
	25				150	155	222	
CF41	20~32	Flange	0.01~2.5	350	320	65	100	Thread
CF41	40~50	Flange	0.01~2.5	350	460	80	260	Thread
	50~65				490	90	190	
CF41	80~100	Flange	0.01~2.5	350	510	110	275	Thread
CF41	125~150	Flange	0.01~2.5	350	590	145	200	Thread

GENERAL INDUSTRY
»» VALVE



ANSI BALL VALVE

Technical specification

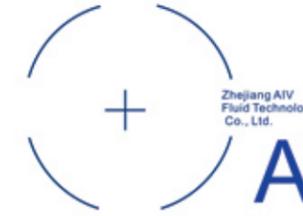
Design standard: ASME B16.34, API 608, API 6D
 Fire safe: API 607, ISO 10497
 Face to face dimension: ASME B16.10
 Flanged ends: ASME B16.5, ASME B16.47
 BW ends: ASME B16.25
 Test & inspection: API 598, API 6D

Application

Petroleum Industry, Natural Gas Industry, Fertilizer Industry, Pharmaceutical Industry, Power Industry, Chemical Industry.

Main part materials

BALL VALVE	Size	Pressure rating	Main material	Optional operation
FLOATING BALL VALVE	1/2"-12" FB&RB	Class 150-600	WCB, WCC, LCB, LCC, CF8, CF8M, CF3, CF3M, A105, LF2, F304, F316, F304L, F316L, F321, F51	Manual, gear, electric, pneumatic, hydraulic
TRUNNION BALL VALVE	2"-40" FB&RB	Class 150-1500	WCB, WCC, LCB, LCC, CF8, CF8M, CF3, CF3M, A105, LF2, F304, F316, F304L, F316L, F321, F51	Manual, gear, electric, pneumatic, hydraulic
FULLY WELDED BALL VALVE	2"-40" FB&RB	Class 150-1500	A105, LF2, F304, F316, F304L, F316L, F321, F51	Manual, gear, electric, pneumatic, hydraulic



ANSI GATE VALVE

Technical specification

Design standard: API 600, API 6D
 Face to face dimension: ASME B16.10
 Flanged ends: ASME B16.5, ASME B16.25
 Test & inspection: API 598, API 6D

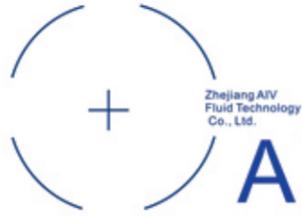
Application

Petroleum Industry, Natural Gas Industry, Fertilizer Industry, Pharmaceutical Industry, Power Industry, Chemical Industry.

Main part materials

GATE VALVE	Size	Pressure rating	Main material	Optional operation
ANSI GATE VALVE	2"-36"	Class 150-1500	Carbon steel, stainless steel, alloy steel, duplex steel	Manual, gear, electric, pneumatic, hydraulic





ANSI GLOBE VALVE

Technical specification

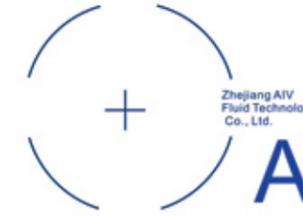
Design standard: BS 1873, ASME B16.34
 Face to face dimension: ASME B16.10
 Flanged ends: ASME B16.5, ASME B16.25
 Test & inspection: API 598, API 6D

Application

Petroleum Industry, Natural Gas Industry, Fertilizer Industry, Pharmaceutical Industry, Power Industry, Chemical Industry.

Main part materials

GLOBE VALVE	Size	Pressure rating	Main material	Optional operation
ANSI GLOBE VALVE	2"-36"	Class 150-1500	Carbon steel, stainless steel, alloy steel, duplex steel	Manual, gear, electric, pneumatic, hydraulic



ANSI CHECK VALVE

Technical specification

Design standard: BS 1868
 Face to face dimension: ASME B16.10
 Flanged ends: ASME B16.5, ASME B16.25
 Test & inspection: API 598, API 6D

Application

Petroleum Industry, Natural Gas Industry, Fertilizer Industry, Pharmaceutical Industry, Power Industry, Chemical Industry.

Main part materials

CHECK VALVE	Size	Pressure rating	Main material	Optional operation
ANSI CHECK VALVE	2"-36"	Class 150-1500	Carbon steel, stainless steel, alloy steel, duplex steel	Manual, gear, electric, pneumatic, hydraulic





FORGED »» VALVE

Technical specification

Design standard: ASME B16.34, API 602, BS 5352, ISO 15761
 Face to face dimension: As per manufacturer's standard
 Ends: ASME B16.5, ASME B16.25, ASME B1.20.1, ASME B16.11
 Test & inspection: API 598, ISO 5208

Application

Petroleum Industry, Natural Gas Industry, Fertilizer Industry,
 Pharmaceutical Industry, Power Industry, Chemical Industry.

Main part materials

FORGED VALVE	Size	Pressure rating	Main material	Optional operation
FORGED GATE GLOBE CHECK VALVE	1/2"-2"	Class 150-1500	A105, LF2, F11, F22, F304, F316	Manual



»» APPENDIX



CHECK VALVE CASTING



BUTTERFLY VALVE CASTING



BALL VALVE CASTING



STRAINER CASTING

GATE VALVE CASTING



GLOBE VALVE CASTING

PROCESS CONTROL & QUALITY CONTROL



PROVIDE CASTING SERVICE FOR CUSTOMER'S MOULDS

OTHER CASTING



