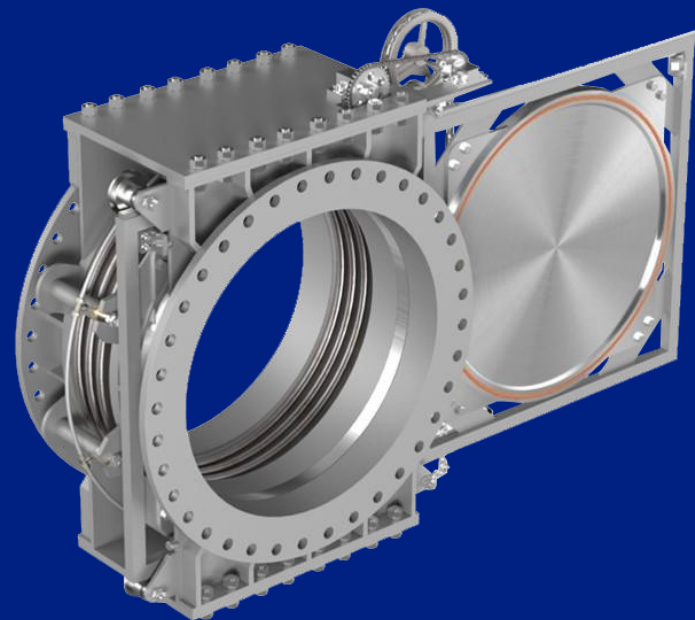




ZHENGZHOU JINGGONG TECHNOLOGY CO., LTD

BLIND VALVE



ZZJG VALVE

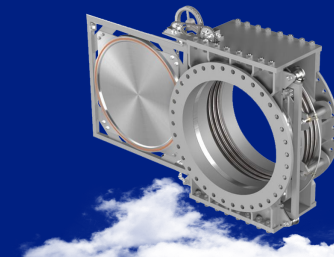
THE FLUID TECHNOLOGY EXPERT

HIGH QUALITY PROFESSIONAL BLIND VALVE MANUFACTURER





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Company Introduction - Profile



ZHENGZHOU JINGGONG TECHNOLOGY CO., LTD is located in "Hometown of Valve in China" Gaoshan Town, Xinyang City, Henan Province. It is a high-tech enterprise in one line of design, manufacturing, sales and services. Current qualification certificates we have: API, ISO, CE, EAC, SGS, ANSI, DIN, JIS, ASTM, EN, GB and etc.

- Founding time: 1981
- Registered capital: \$16,000,000
- Factory area: 26,000+m²
- What we do: development and design, production and manufacturing, sales and services
- Manufacturing standards: ISO, ANSI, API, JIS, DIN, ASME, ASTM
- Address: Chuangye Road, Gaoshan Town, Zhengzhou City, China



Blind Valve Business - Advantage



[Typical Process]

Line blinds have been used in pipelines where complete shut-off or full flow without a pressure drop is required. Generally, blinding (or blanking) a line is a costly, labor intensive process requiring several personnel, heavy tool and machinery. The ZZJG Line Blind incorporates a simple and durable design that has been developed to provide absolute shut-off, long life and cost-efficient service with minimum maintenance.

■ Absolute Shutoff

Zero leakage to downstream

■ Safe

Prevention of potential hazards such as toxic fumes, spills of product and risk of explosion

■ Cost Saving

Reduces maintenance hours, saving man-hour costs

■ Friction-free

Gear-set system provides perfect isolation without any contact or rub of gasket

■ Quick Change

Blinding can safely be completed within only minutes

■ Simple Structure

Minimum maintenance requiring only the replacement of sealing

■ No Tools Required

A simple hand-wheel operation.
No need for tools to provide completed shut-off

■ No Line Stretching / Spreading

No stress on pipeline during operation (except EX&Jackbolt types)

■ Only One Operator

Easy and safe blinding requiring only one operator

■ Non-sticking Mechanism

Unique Gear-set system prevents sticking problem of blind plate



[ZZJG Process]

Blind Valve Business - Applications

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



Iron & Steel Mill



Natural Gas



Naphtha, Diesel, Para-Xylene



Coke Oven Gas(AOV automation)



Tank Farm



VCM, RPG, Mix-Xylene



Loading Arm Construction



Product Carrier Tank Isolation



JET-Fuel(MOV Automation)



Cryogenic Service(LNG/Ethylene)

Blind Valve Business - Applications

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



On Board Vessel



Chemical Terminal



Acetic Acid, Methyl Acetate



HDPE



Heat Exchanger-Bypass Line



Ethylene, Propylene, SM



Butadiene



Chemical Cleaning



Gas Oline and MTBE



Regeneration Gas



GENERAL INFORMATION

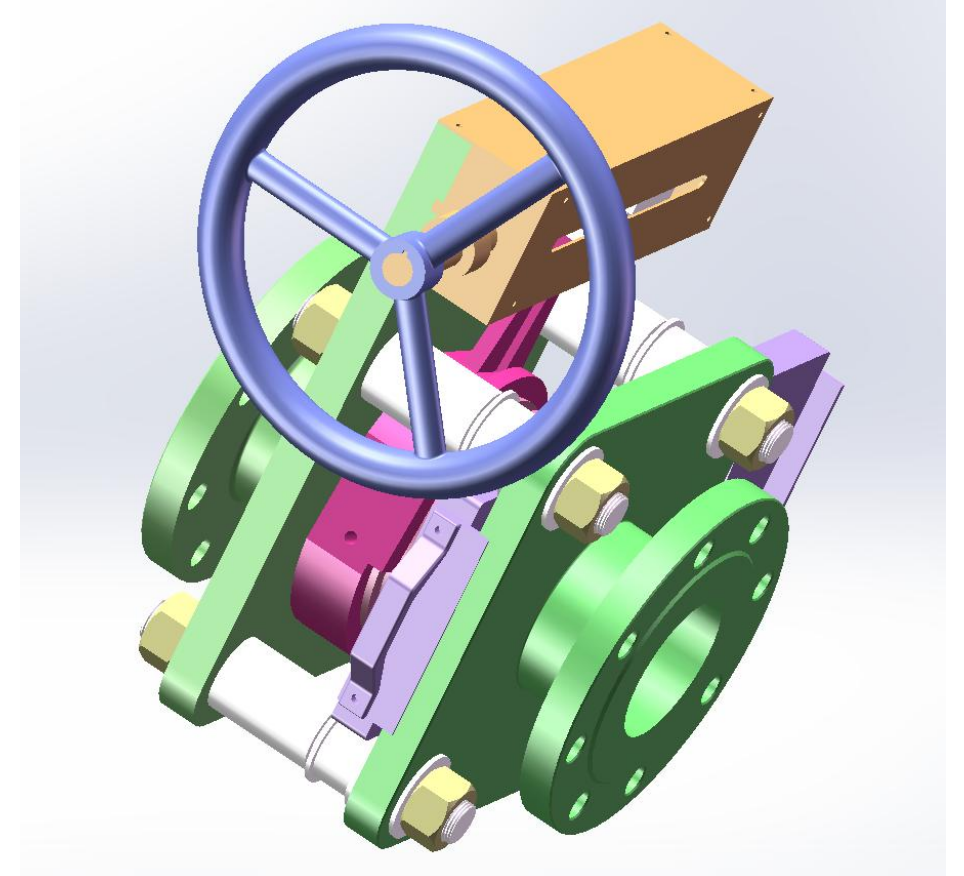
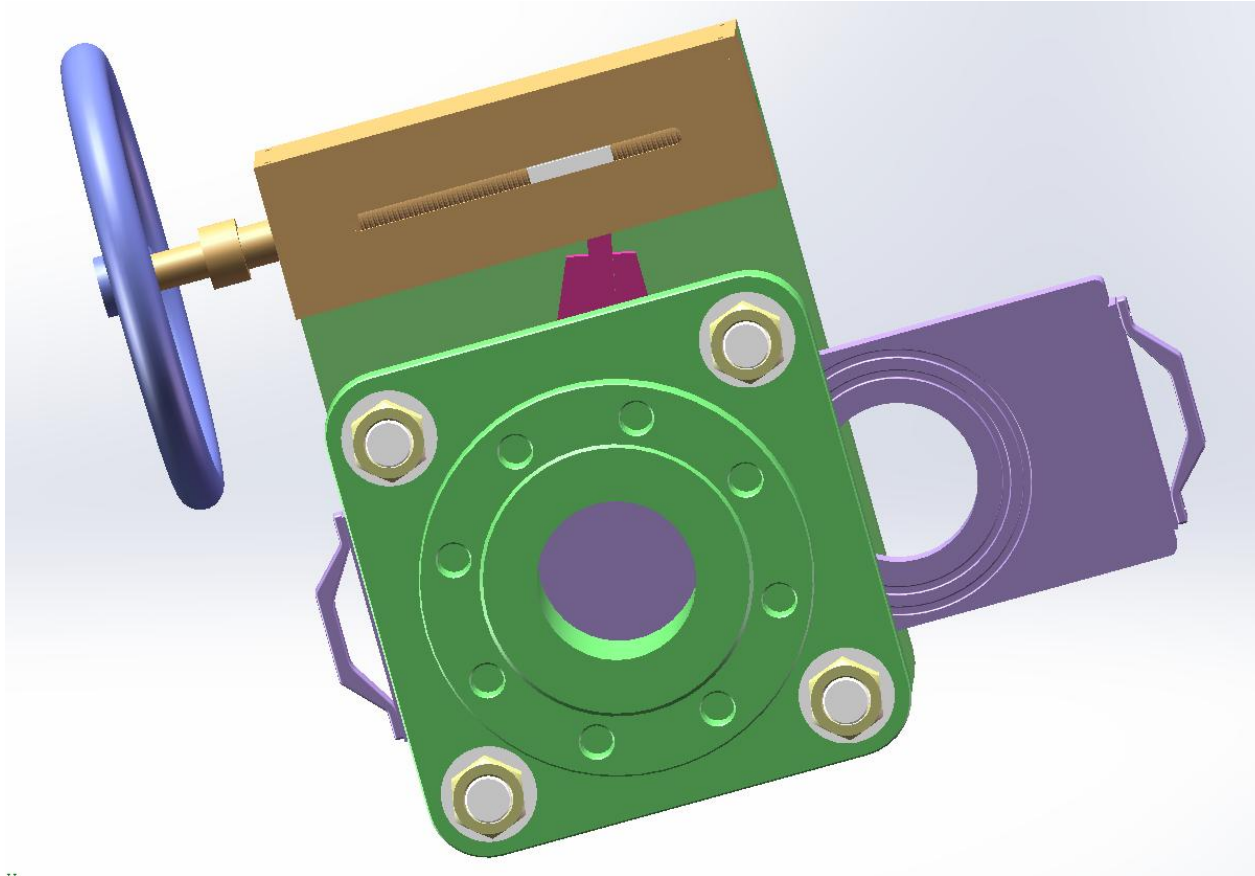
INSTRUCTION & FEATURES

One operator turns hand-wheel and unique gear-set mechanism makes a gap without pipe spreading. By Sliding Blind plate manually, Open/Close Blind position is changed.

All blinding process completes within 3 minutes safely and easily.

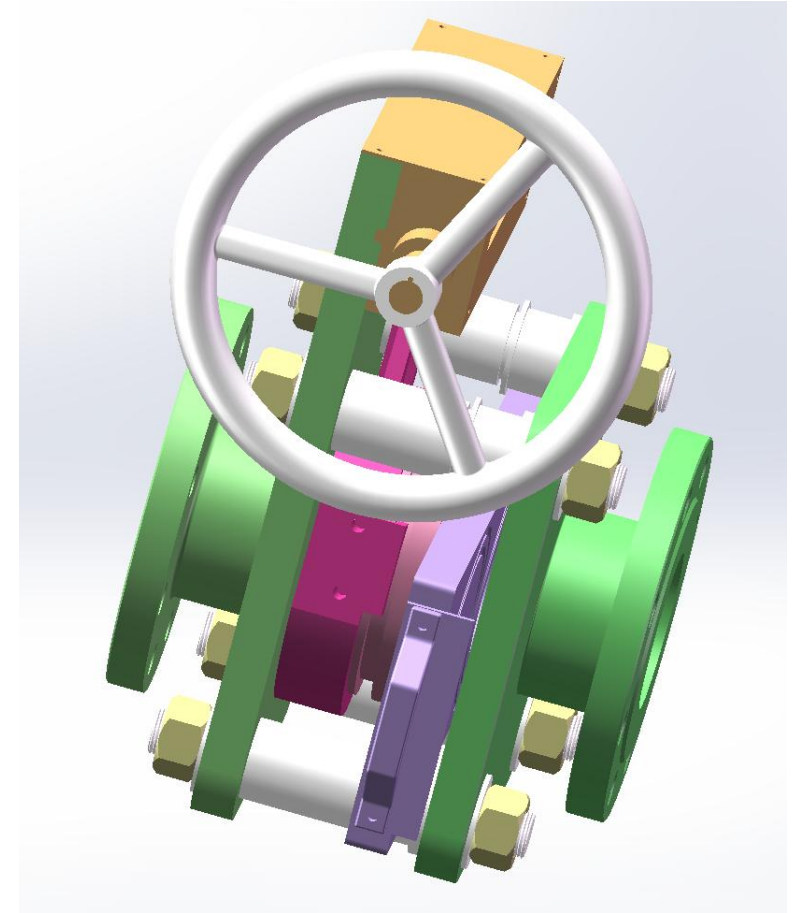
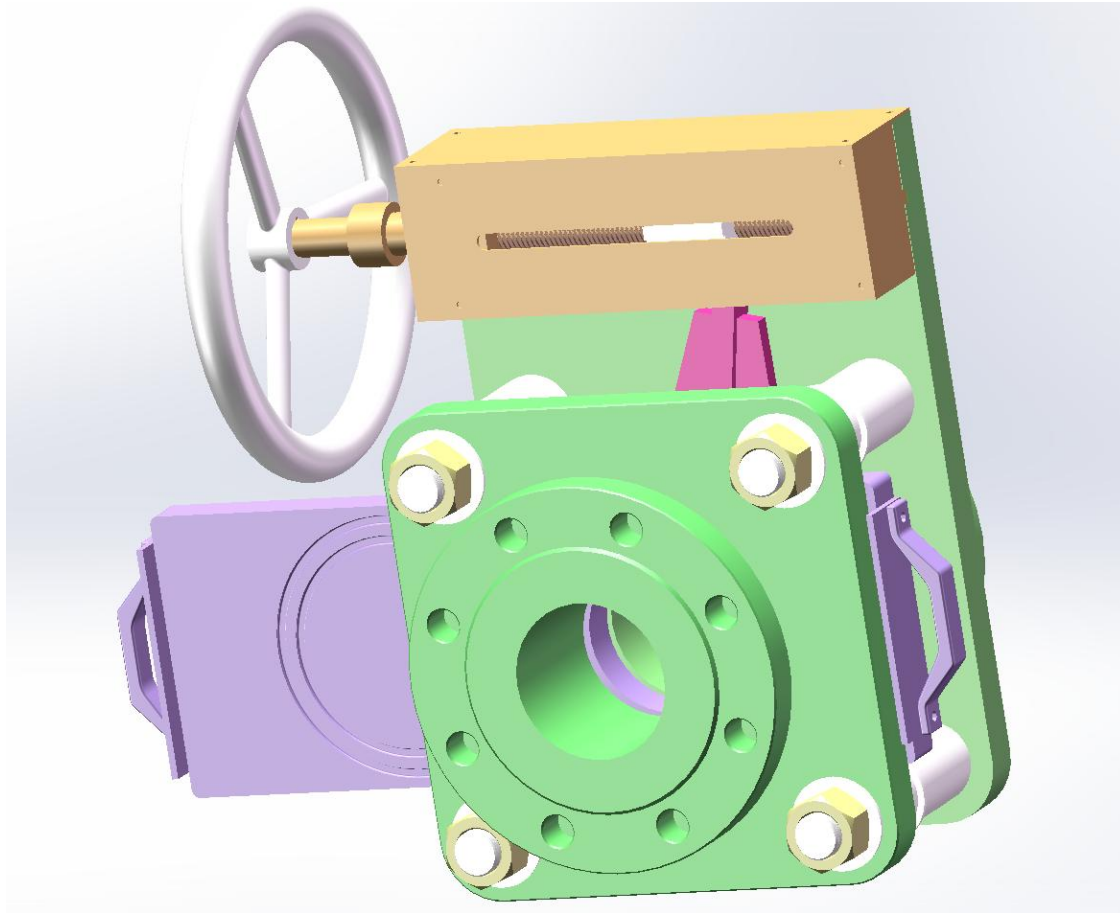
Sturdy and simple design shall make high reliability with the most advanced technology and durability.

Blind Valve - Sliding Type



Blind Valve - Sliding Type

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



TECHNICAL SPECIFICATIONS

NOMINAL DIAMETER

NPS 1/2 (DN15) - NPS100 (DN2500)

PRESSURE RATING

ASME Class 150 to Class 1500

Other pressure classes up to ASME 2500

Available upon request

FUNCTION

Gas & Liquid Perfect Isolation(Zero Leakage)

TEMPERATURE RANGE

Standard Design : -20℃ ~ +200℃

High Temp. Design : +200℃ ~ +816℃

Cryogenic Design : -196℃

MATERIALS

BODY : Carbon Steel, Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

BLIND : Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

MOVING PARTS & SEALING SURFACE are Anti-corrosion Materials

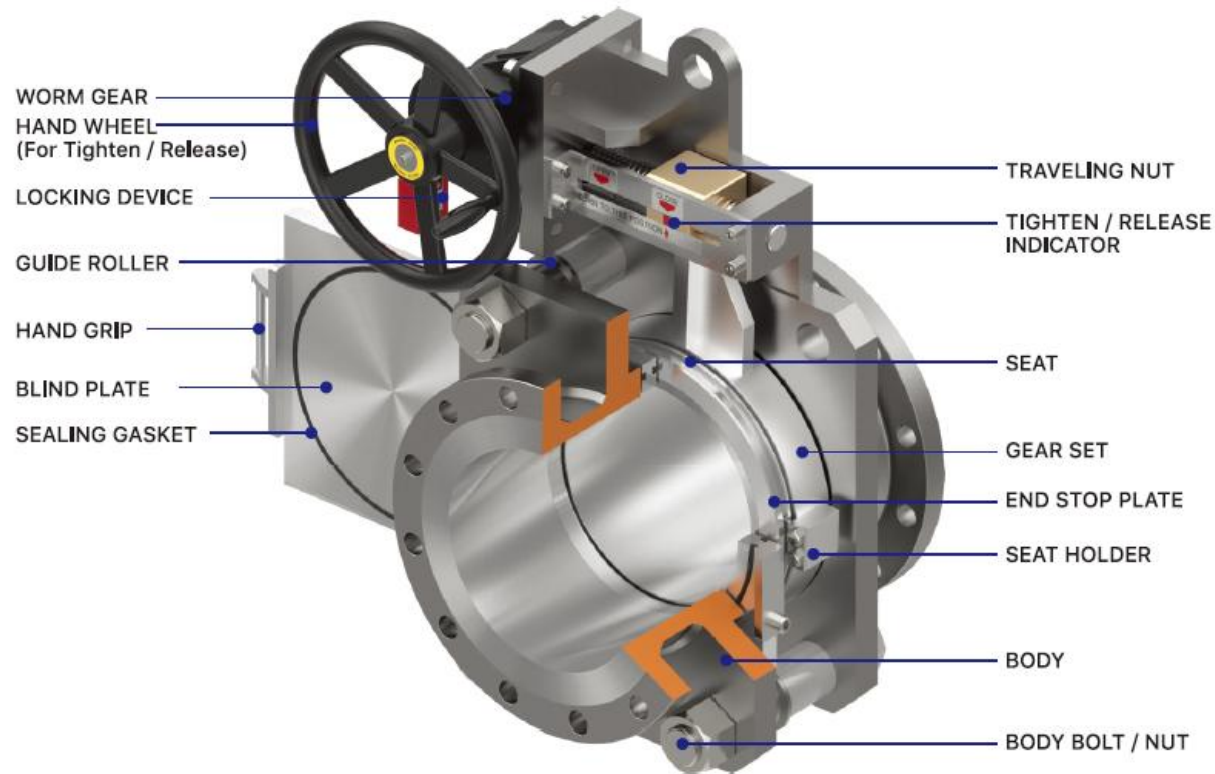
OPERATION METHOD

Manual Operation

Electric, Pneumatic or Hydraulic Operation

Blind Valve - Sliding Type

Part & Description

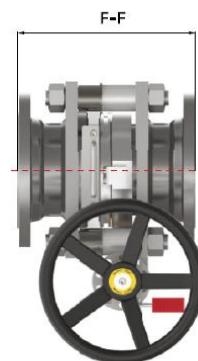
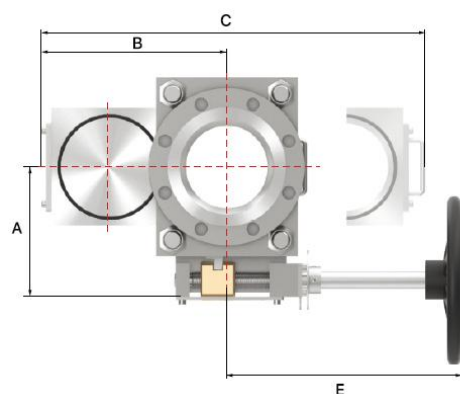


Part name	CS Body & SS Slide	SS Body & Slide	Optional Material
FLANGE	Carbon Steel	Stainless Steel	Martensitic or Ferritic Stainless steel Duplex or Super Duplex Low alloy steel Nickel & Nickel base alloy Nickel-Chromium-Iron alloy Chromium-Molybdenum alloy
PIPE	Carbon Steel	Stainless Steel	
STREAM PLATE	Carbon Steel	Stainless Steel	
BLIND PLATE	Stainless Steel	Stainless Steel	
SEAT	Stainless Steel	Stainless Steel	
GEAR SET	Stainless Steel	Stainless Steel	for H2S Service / for Low Temp.
SCREW SHAFT	Stainless Steel	Stainless Steel	
STUD BOLT	SA193-B7	SA193-B8	Selection
HEX.NUT	SA194-2H	SA194-8	
BLIND SEAL RING	Selection	Selection	Selection
SEAT SEAL RING	Selection	Selection	
WIPER	PTFE / GRAPHITE	PTFE / GRAPHITE	PTFE / GRAPHITE
LOCKING DEVICE	P	P	

Blind Valve - Sliding Type



TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



Class 150

Size		F-F	A	B	C	E	kg
inch	DN						Weight(NET)
1	25	190	100.8	117.6	235.1	175.5	10
1-1/2	40	210	115.6	142.5	285.1	200	16
2	50	230	134.5	166	332	234	27
2-1/2	65	240	146.5	185	370	260	30
3	80	270	168.5	211	442.4	307.5	35
4	100	280	201	244	508.4	340	49
6	150	320	245	334	688	425	87
8	200	340	282	415.5	857	508	150
10	250	370	362	525	1024.5	345	215
12	300	410	397	611	1190	355.7	312
14	350	450	453.6	685	1370	400.2	420
16	400	520	518	759.5	1519	436.5	600
18	450	540	575	856.5	1713.1	526.2	810
20	500	660	619	940	1880	527	975
24	600	720	705	1104	2208	561	1500

Class 300

Size		F-F	A	B	C	E	kg
inch	DN						Weight(NET)
1	25	200	100.8	117.6	235.1	174.5	12
1-1/2	40	240	127	144	288.1	210	18
2	50	245	145.5	166	332	234	32
2-1/2	65	260	181.1	140	362.2	267.4	33
3	80	320	181	211	442.4	300	58
4	100	360	209.5	241	502	325	65
6	150	410	307	354	687	330.5	131
8	200	420	334.6	443	853	388.4	200
10	250	510	402	525.5	1025	356	310
12	300	570	468	618.5	1205	396	400
14	350	640	498	691.5	1383	410.6	540
16	400	720	594	789.7	1579.5	531.5	690
18	450	730	644	885	1770	545.7	950
20	500	780	595	921.1	1842.2	496.5	1176
24	600	850	705	1095.6	2191.3	551.7	2084

Blind Valve - Sliding Type

Operating Instruction



1. Before turning the handwheel to change the blind plate position, internal pressure of the valve must be drained and be sure no pressure(Zero).

2. Unlock locking device for turn to handwheel.

3. To change the blind plate position, turn the handwheel clockwise until indicator reaches to "Open" mark.

4. When indicator is on "open" mark, change the blind plate position to open or close.

5. After change the blind plate position, turn the handwheel counter-clockwise until indicator reaches to "Close" mark to tighten the seat.

6. Lock locking device for can't use unauthorized person



GENERAL INFORMATION

INSTRUCTION & FEATURES

It take within 3 minutes for one operator to blank a line, operating the handwheel and rotating the blind into place without line spreading.

Again, al inline movement is internal, eliminating the potential for pipe-joint stress. As one of the most popular model quick operation with no line spread and correct spectacle positioner shall make easy and safe pipe line isolation.



Blind Valve - Swing Type

TECHNICAL SPECIFICATIONS

NOMINAL DIAMETER

NPS 1/2 (DN15) - NPS100 (DN2500)

PRESSURE RATING

ASME Class 150 to Class 1500

Other pressure classes up to ASME 2500

Available upon request

FUNCTION

Gas & Liquid Perfect Isolation(Zero Leakage)

TEMPERATURE RANGE

Standard Design : -20°C ~ +200°C

High Temp. Design : +200°C ~ +816°C

Cryogenic Design : -196°C

MATERIALS

BODY : Carbon Steel, Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

BLIND : Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

MOVING PARTS & SEALING SURFACE are Anti-corrosion Materials

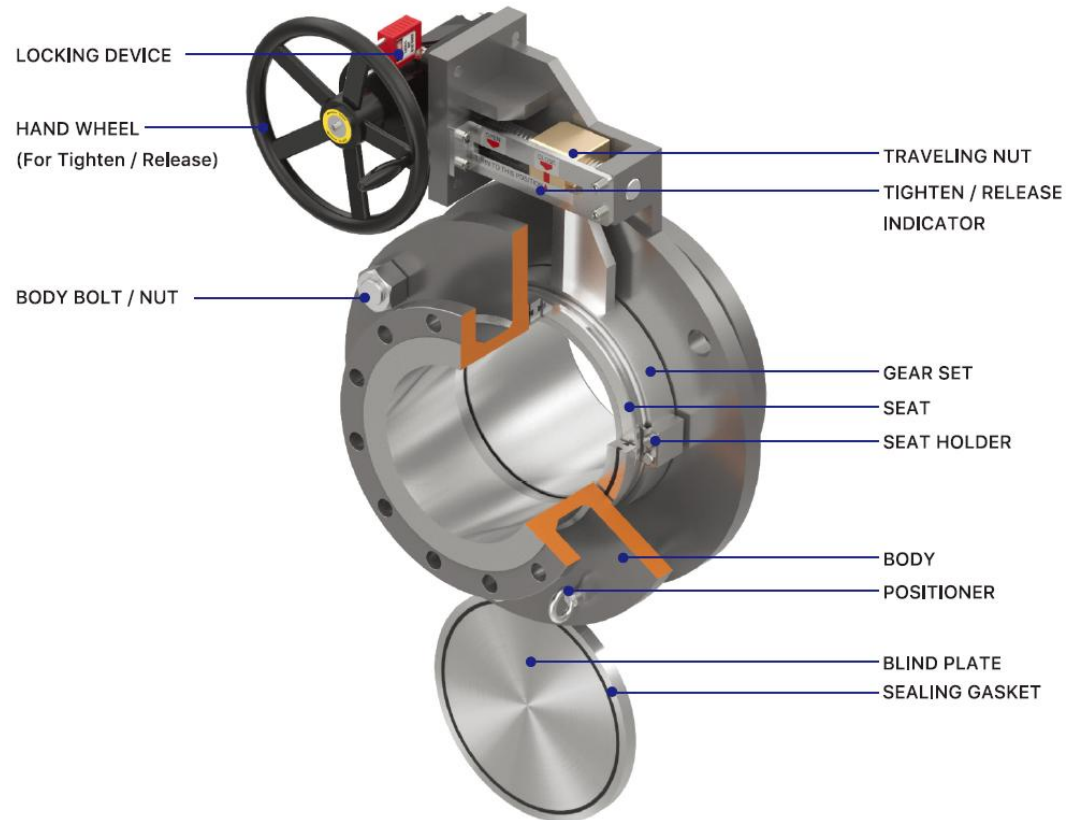
OPERATION METHOD

Manual Operation

Electric, Pneumatic or Hydraulic Operation

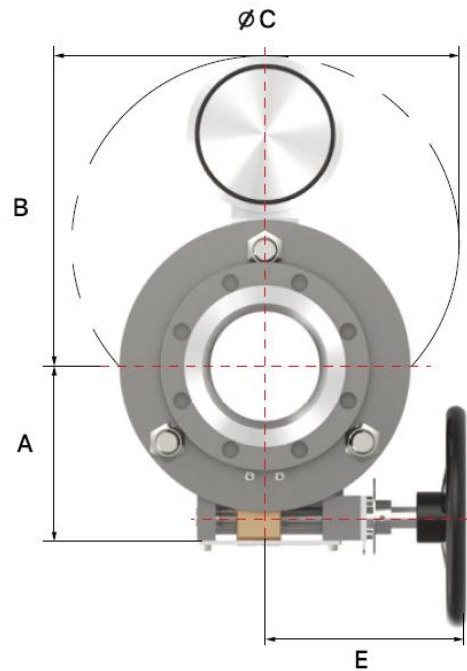
Blind Valve - Swing Type

Part & Description



Part name	CS Body & SS Slide	SS Body & Slide	Optional Material
FLANGE	Carbon Steel	Stainless Steel	Martensitic or Ferritic Stainless steel Duplex or Super Duplex Low alloy steel Nickel & Nickel base alloy Nickel-Chromium-Iron alloy Chromium-Molybdenum alloy
PIPE	Carbon Steel	Stainless Steel	
STREAM PLATE	Carbon Steel	Stainless Steel	
BLIND PLATE	Stainless Steel	Stainless Steel	
SEAT	Stainless Steel	Stainless Steel	
GEAR SET	Stainless Steel	Stainless Steel	
SCREW SHAFT	Stainless Steel	Stainless Steel	for H2S Service / for Low Temp.
STUD BOLT	SA193-B7	SA193-B8	
HEX.NUT	SA194-2H	SA194-8	Selection
BLIND SEAL RING	Selection	Selection	
SEAT SEAL RING	Selection	Selection	Selection
WIPER	PTFE / GRAPHITE	PTFE / GRAPHITE	PTFE / GRAPHITE
LOCKING DEVICE	P	P	-

Blind Valve - Swing Type



Class 150

Size		F-F	A	B	$\varnothing C$	E	kg
inch	DN						Weight(NET)
1	25	190	100	133	163	148	10
1-1/2	40	200	102	163	201	153	15
2	50	220	134.5	193.4	237.8	190	24
2-1/2	65	240	135	220.3	272.4	220	30
3	80	240	173	263.1	327.1	225.2	35
4	100	250	196	298.5	375	240	56
6	150	320	249	415	520	271	87
8	200	340	295.5	510.5	643	309	125
10	250	370	382	594	754	374.5	225
12	300	430	410	678	862.5	356	310
14	350	450	475	748.3	949	400	540
16	400	550	513	851.6	1083.6	409.7	589
18	450	510	605.1	925.8	1183.9	512.2	725
20	500	750	659	1051	1336	546.1	1000
24	600	780	770	1235	1573	609	2300

Class 300

Size		F-F	A	B	$\varnothing C$	E	kg
inch	DN						Weight(NET)
1	25	200	90	133	163	146	12
1-1/2	40	230	110	167.4	205.5	186.4	18
2	50	240	127.3	193.7	238	202.6	30
2-1/2	65	270	135	220.3	272.4	220	35
3	80	260	173	263.1	327.1	225	45
4	100	320	189	297	372	230	81
6	150	410	266	409	514	270	130
8	200	490	350	506.4	637.7	340	210
10	250	480	406	609.5	769	350	265
12	300	530	456	716	905.5	363	410
14	350	620	498	781.5	986	410.6	650
16	400	660	514.9	871.9	1104.2	458.6	800
18	450	720	544	965.1	1229.8	470.5	950
20	500	780	595	1058	1350	496.5	1500
24	600	870	751.5	1213.6	1552.6	603.6	3000

Blind Valve - Swing Type

Operating Instruction



1. Before turning the handwheel to change the blind plate position, internal pressure of the valve must be drained and be sure no pressure(Zero).

2. Unlock locking device for turn to handwheel.

3. To change the blind plate position, turn the handwheel clockwise until indicator reaches to "Open" mark.

4. When indicator is on "open" mark, change the blind plate position to open or close.

5. After change the blind plate position, turn the handwheel counter-clockwise until indicator reaches to "Close" mark to tighten the seat.

6. Lock locking device for can't use unauthorized person



GENERAL INFORMATION

INSTRUCTION & FEATURES

Non spill type of Line Blind has good advantages in Oil terminal & offshore applications where is limited installation space and marine pollution is strictly prohibited.

The 3 sides covered body & compact design prevents ground pollution and it allows to install at parallel pipe lines.



Blind Valve - Non Spill Type

TECHNICAL SPECIFICATIONS

NOMINAL DIAMETER

NPS 1 (DN25 - NPS100 (DN2500)

PRESSURE RATING

ASME Class 150 to Class 1500

Other pressure classes up to ASME 2500

available upon request

FUNCTION

Gas & Liquid Perfect Isolation(Zero Leakage)

TEMPERATURE RANGE

Standard Design : -20°C ~ +200°C

High Temp. Design : +200°C ~ +816°C

Cryogenic Design : -196°C

MATERIALS

BODY : Carbon Steel, Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

BLIND : Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

MOVING PARTS & SEALING SURFACE are Anti-corrosion Materials

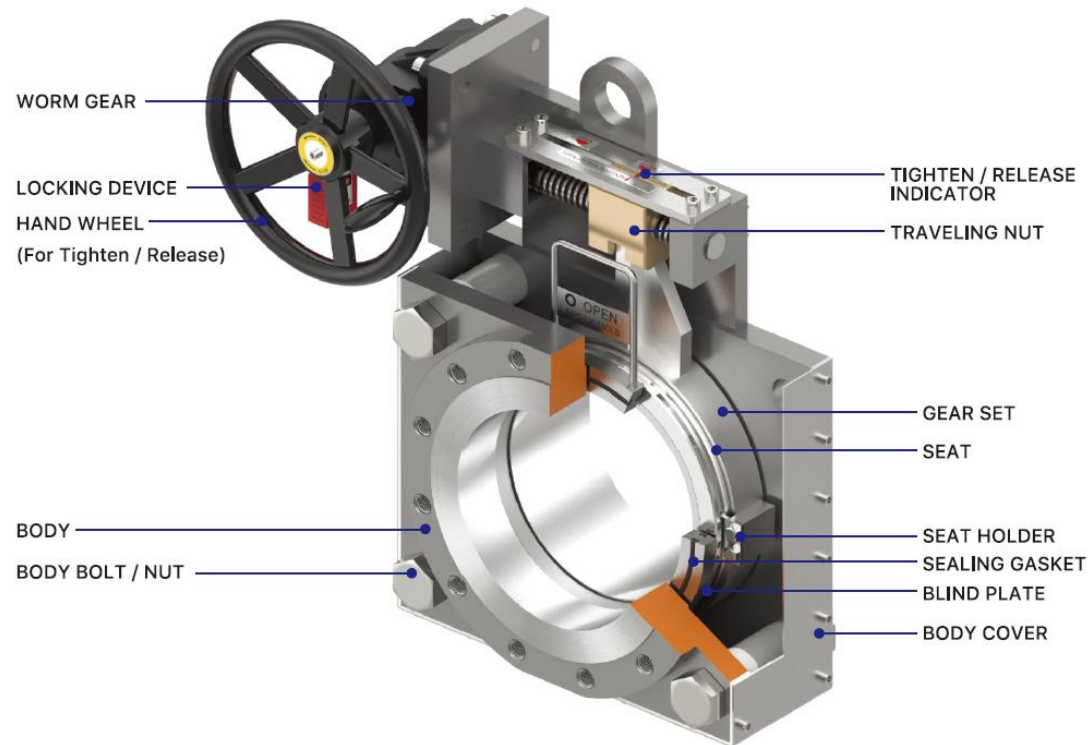
OPERATION METHOD

Manual Operation

Electric, Pneumatic or Hydraulic Operation

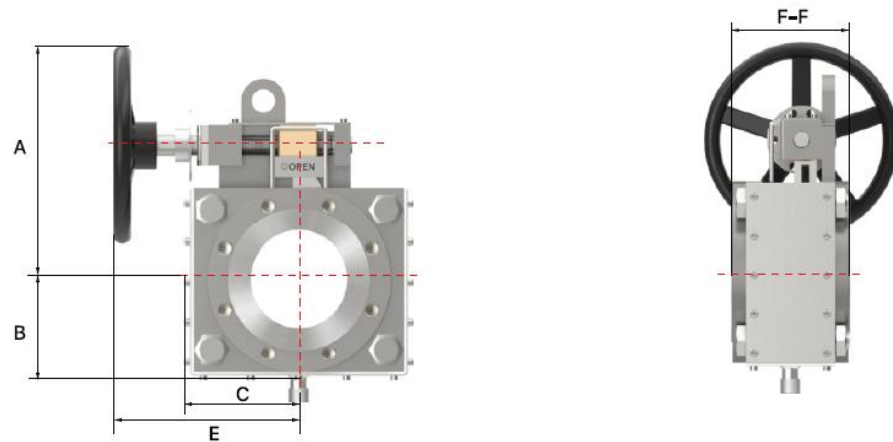
Blind Valve - Non Spill Type

Part & Description



Part name	CS Body & SS Slide	SS Body & Slide	Optional Material
BODY	Carbon Steel	Stainless Steel	Martensitic or Ferritic Stainless steel Duplex or Super Duplex Low alloy steel Nickel & Nickel base alloy Nickel-Chromium-Iron alloy Chromium-Molybdenum alloy
BLIND PLATE	Stainless Steel	Stainless Steel	
SEAT	Stainless Steel	Stainless Steel	
GEAR SET	Stainless Steel	Stainless Steel	
SCREW SHAFT	Stainless Steel	Stainless Steel	
HEX.BOLT	SA193-B7	SA193-B8	for H2S Service / for Low Temp.
HEX.NUT	SA194-2H	SA194-8	
BLIND SEAL RING	Selection	Selection	Selection
SEAT SEAL RING	Selection	Selection	Selection
WIPER	PTFE / GRAPHITE	PTFE / GRAPHITE	PTFE / GRAPHITE
LOCKING DEVICE	P	P	-

Blind Valve - Non Spill Type



Class 150

Size		F-F	A	B	C	E	kg
inch	DN						Weight(NET)
1	25	110	175	117	75	160	10
2	50	130	235	128	101	190	25
3	80	150	275	148	121	220	35
4	100	150	276	142	130	217	46
6	150	190	350	173	173	325	85
8	200	200	463	205	204	329	130
10	250	214	500	238	238	356.2	250
12	300	229	543	275	277	435.5	350
14	350	260	612	303	280	458	500
16	400	300	691	338	330	452.8	650
18	450	320	768	357	350	559	800
20	500	360	885	422	410	640	1100
24	600	400	990	492	472.5	693	1800

Class 300

Size		F-F	A	B	C	E	kg
inch	DN						Weight(NET)
1	25	120	167.5	93	101.5	217	10
2	50	140	224.5	120	125.5	263.5	30
3	80	170	277	129.5	157.5	304	45
4	100	160	324	185	146	240	63
6	150	195	375	209	183	260	120
8	200	220	415.5	239	218	345.5	180
10	250	250	526	271.5	255.5	389	285
12	300	250	579	300	300	450	400
14	350	280	623	331.5	332	462	650
16	400	340	640	370	374	500.5	700
18	450	360	805	412	395	604	950
20	500	400	856	443	447	635	1500
24	600	420	937	512	493	692	2200

Blind Valve - Non Spill Type

Operating Instruction



1. Before turning the handwheel to change the blind plate position, internal pressure of the valve must be drained and be sure no pressure(Zero).
2. Unlock locking device for turn to handwheel.
3. To change the blind plate position, turn the handwheel clockwise until indicator reaches to "Open" mark.
4. When indicator is on "open" mark, change the blind plate position to open or close.
5. After change the blind plate position, turn the handwheel counter-clockwise until indicator reaches to "Close" mark to tighten the seat.
6. Lock locking device for can't use unauthorized person.



GENERAL INFORMATION

INSTRUCTION & FEATURES

The Compact type is designed for replacement of existing valves, limited F-F dimension or large diameter pipeline applications or limited space for installation.

It is designed with a short face to face, and has tapped bolt holes for easy installation between flanges. The compact design also reduces weight and requirement for extra pipe support.



Blind Valve - Compact Type

TECHNICAL SPECIFICATIONS

NOMINAL DIAMETER

NPS 1/2 (DN15) - NPS100 (DN2500)

PRESSURE RATING

ASME Class 150 to Class 1500

Other pressure classes up to ASME 2500

Available upon request

FUNCTION

Gas & Liquid Perfect Isolation(Zero Leakage)

TEMPERATURE RANGE

Standard Design : -20°C ~ +200°C

High Temp. Design : +200°C ~ +816°C

Cryogenic Design : -196°C

MATERIALS

BODY : Carbon Steel, Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

BLIND : Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

MOVING PARTS & SEALING SURFACE are Anti-corrosion Materials

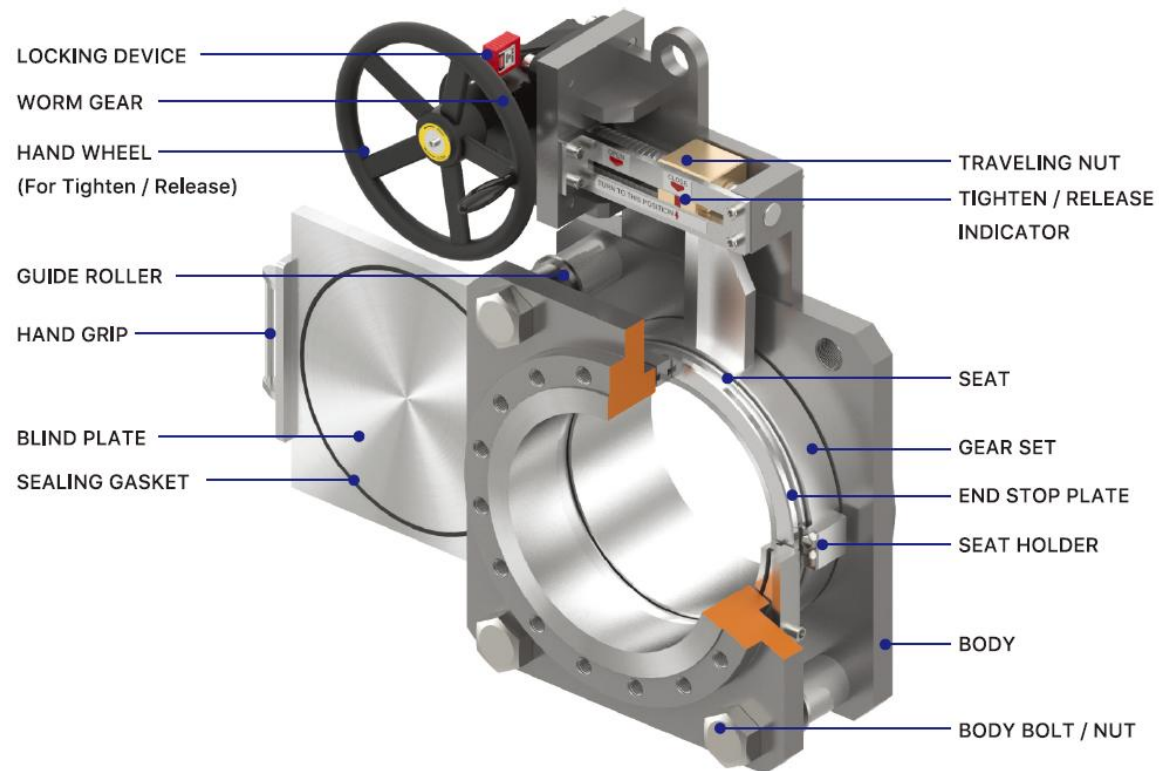
OPERATION METHOD

Manual Operation

Electric, Pneumatic or Hydraulic Operation

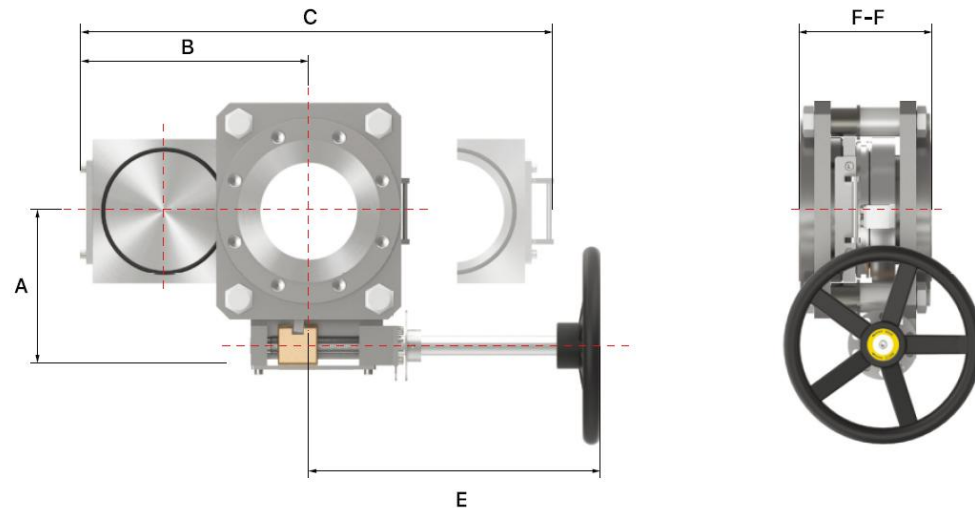
Blind Valve - Compact Type

Part & Description



Part name	CS Body & SS Slide	SS Body & Slide	Optional Material
BODY	Carbon Steel	Stainless Steel	Martensitic or Ferritic Stainless steel Duplex or Super Duplex Low alloy steel Nickel & Nickel base alloy Nickel-Chromium-Iron alloy Chromium-Molybdenum alloy
BLIND PLATE	Stainless Steel	Stainless Steel	
SEAT	Stainless Steel	Stainless Steel	
GEAR SET	Stainless Steel	Stainless Steel	
SCREW SHAFT	Stainless Steel	Stainless Steel	
HEX.BOLT	SA193-B7	SA193-B8	for H2S Service /
HEX.NUT	SA194-2H	SA194-8	for Low Temp.
BLIND SEAL RING	Selection	Selection	Selection
SEAT SEAL RING	Selection	Selection	Selection
WIPER	PTFE / GRAPHITE	PTFE / GRAPHITE	PTFE / GRAPHITE
LOCKING DEVICE	P	P	-

Blind Valve - Compact Type



Class 150

Size		F-F	A	B	C	E	kg
inch	DN						Weight(NET)
1	25	120	100.8	125	250	180	8
2	50	140	153.5	177.5	393	266	24
3	80	160	169.5	221.5	443	327.4	35
4	100	160	202	262.5	563	365	47
6	150	200	233	346	717	445	85
8	200	220	282	416.5	858	503	122
10	250	240	387	540	1038	352	195
12	300	260	412	639.5	1279	384	310
14	350	300	454	462	1322	400	382
16	400	340	518	762	1524	436	580
18	450	360	575	855	1710	526	620
20	500	400	630	949	1918	540	980
24	600	420	715	1105	2220	562	1500

Class 300

Size		F-F	A	B	C	E	kg
inch	DN						Weight(NET)
1	25	130	110	125	250	180	10
2	50	150	145.5	177.5	393	266	26
3	80	170	206	247.9	520.8	337.2	40
4	100	180	245.5	262.5	563	380	60
6	150	230	307	360	721	331	130
8	200	250	337	441.5	875	339	250
10	250	280	381	536.8	1095.5	342.9	290
12	300	290	424	627.5	1230	370	400
14	350	350	498	652	1367	415	545
16	400	430	605	795.8	1591.5	531.3	815
18	450	380	644	952.5	1775	571	1012
20	500	400	645	940	1880	533.8	1440
24	600	440	790	1335	2315	637	1986

Blind Valve - Compact Type

Operating Instruction



1. Before turning the handwheel to change the blind plate position, internal pressure of the valve must be drained and be sure no pressure(Zero).
2. Unlock locking device for turn to handwheel.
3. To change the blind plate position, turn the handwheel clockwise until indicator reaches to "Open" mark.
4. When indicator is on "open" mark, change the blind plate position to open or close.
5. After change the blind plate position, turn the handwheel counter-clockwise until indicator reaches to "Close" mark to tighten the seat.
6. Lock locking device for can't use unauthorized person.



GENERAL INFORMATION

INSTRUCTION & FEATURES

Jack Bolt type blind valve has been used for a long time as it is applicable for a broad range of pressure pipelines with a lower cost.

To change the blind plate position, an operator is required to unbolt it manually.



Blind Valve - Jack Bolt Type

TECHNICAL SPECIFICATIONS

NOMINAL DIAMETER

NPS 1/2 (DN15) - NPS100 (DN2500)

TEMPERATURE RANGE

Standard Design : -20°C ~ +200°C

High Temp. Design : +200°C ~ +816°C

Cryogenic Design : -196°C

PRESSURE RATING

ASME Class 150 to Class 1500

Other pressure classes up to ASME 2500

available upon request

MATERIALS

BODY : Carbon Steel, Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

BLIND : Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)

MOVING PARTS & SEALING SURFACE are Anti-corrosion Materials

FUNCTION

Gas & Liquid Perfect Isolation(Zero Leakage)

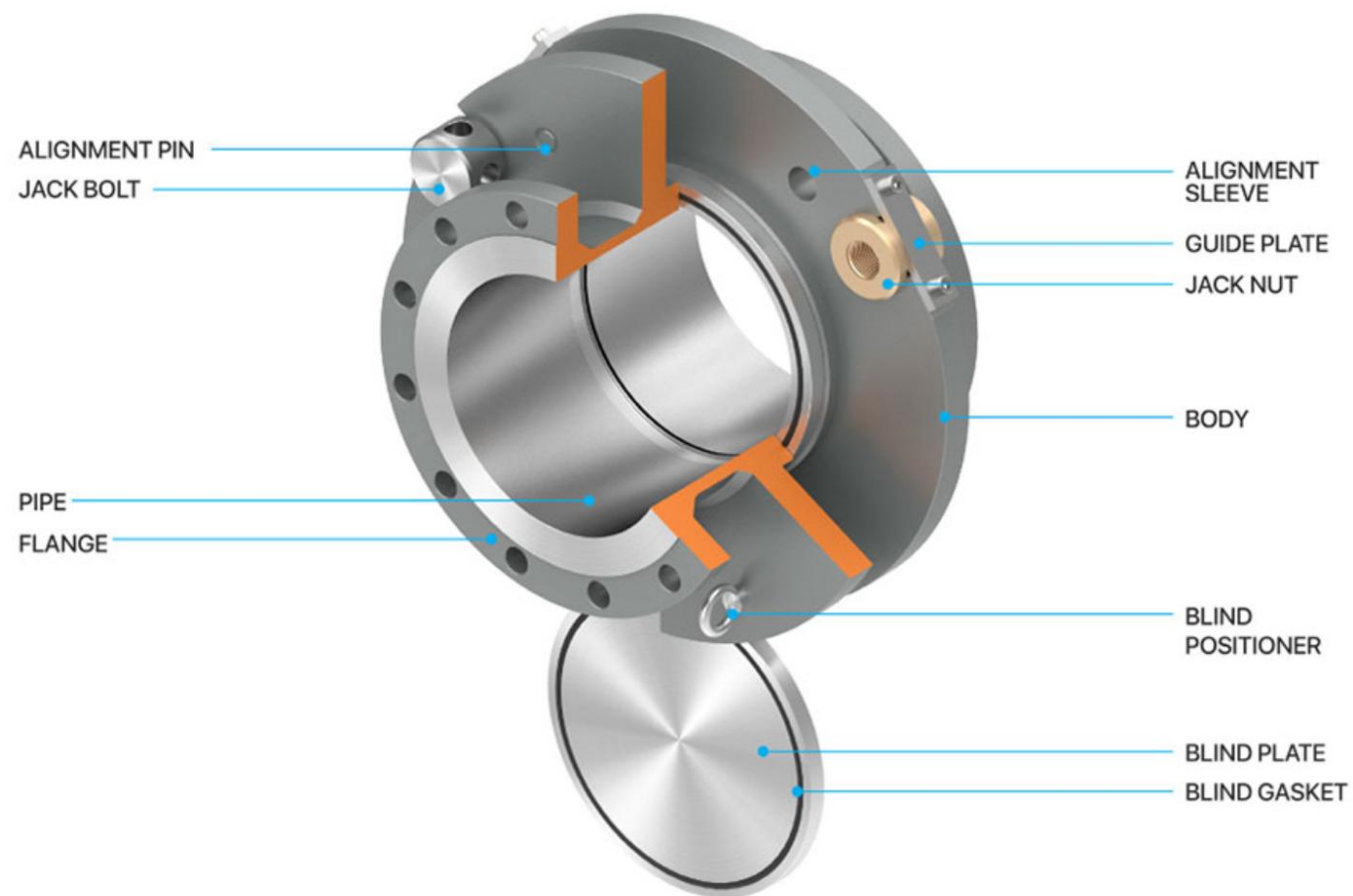
OPERATION METHOD

Manual Operation

Electric, Pneumatic or Hydraulic Operation

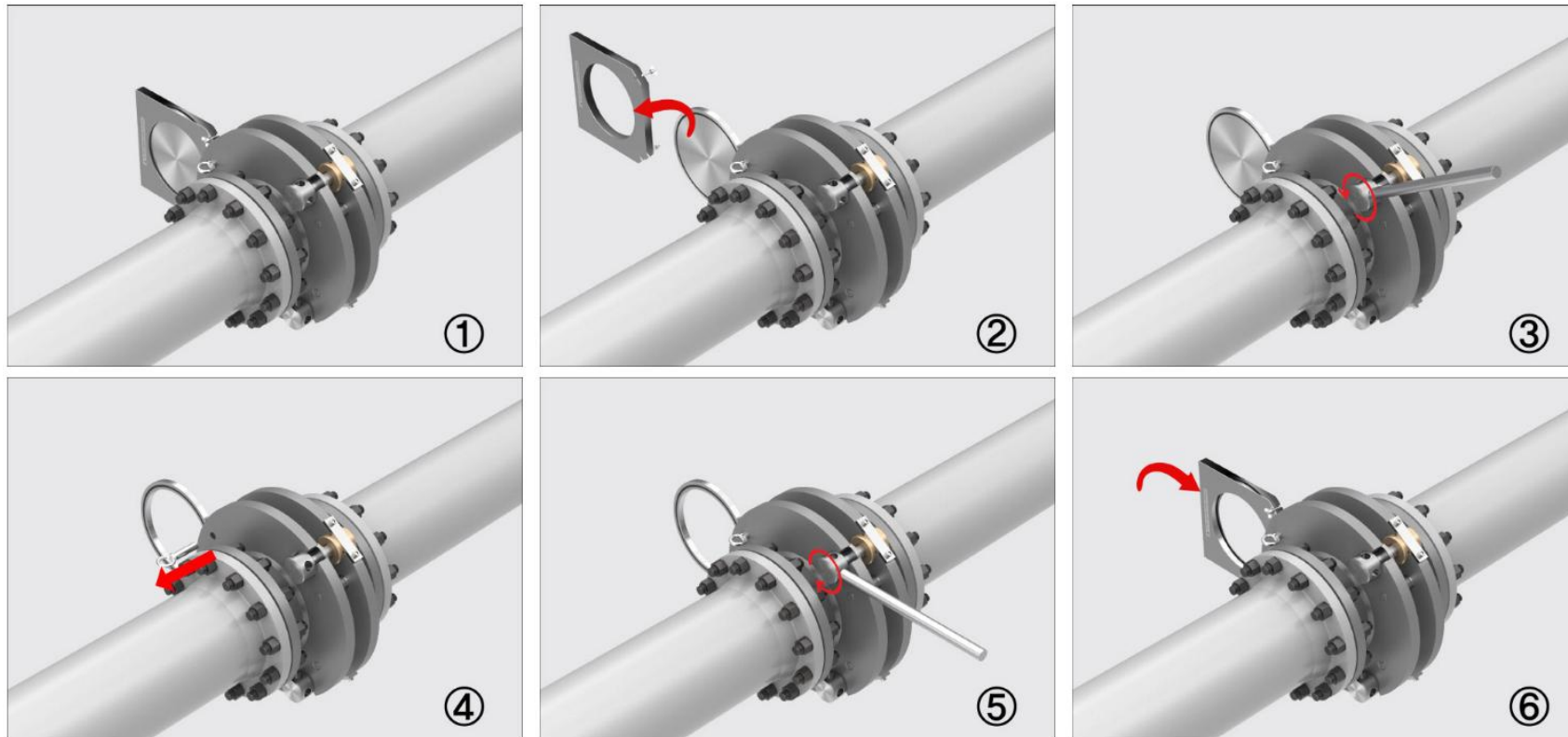
Blind Valve - Jack Bolt Type

Part & Description



Blind Valve - Jack Bolt Type

Operating Instruction



1. Before turning the handwheel to change the blind plate position, internal pressure of the valve must be drained and be sure no pressure (Zero).

2. Unlock locking device for turn to handwheel.

3. To change the blind plate position, turn the handwheel clockwise until indicator reaches to "Open" mark.

4. When indicator is on "open" mark, change the blind plate position to open or close.

5. After change the blind plate position, turn the handwheel counter-clockwise until indicator reaches to "Close" mark to tighten the seat.

6. Lock locking device for can't use unauthorized person.



GENERAL INFORMATION

INSTRUCTION & FEATURES

EX type blind valve offers 100% pipe isolation for hazardous service conditions such as extremely high temperature, cryogenic, gas/liquid contained particles and/or polymer production pipeline.

The unique stretching mechanism creates a gap to switch blind plate positions quickly and efficiently.

TECHNICAL SPECIFICATIONS

NOMINAL DIAMETER

NPS 1 (DN25) - NPS 40 (DN1000)

TEMPERATURE RANGE

From Cryogenic(-196°C)
To High temperature(+816°C)

PRESSURE RATING

Up to ASME Class 2500
Other special classes are
available upon request

MATERIALS

BODY : Carbon Steel, Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Inconel etc.)
BLIND: Stainless Steel, Special Material (Duplex, Hastelloy, Monel, Incone

FUNCTION

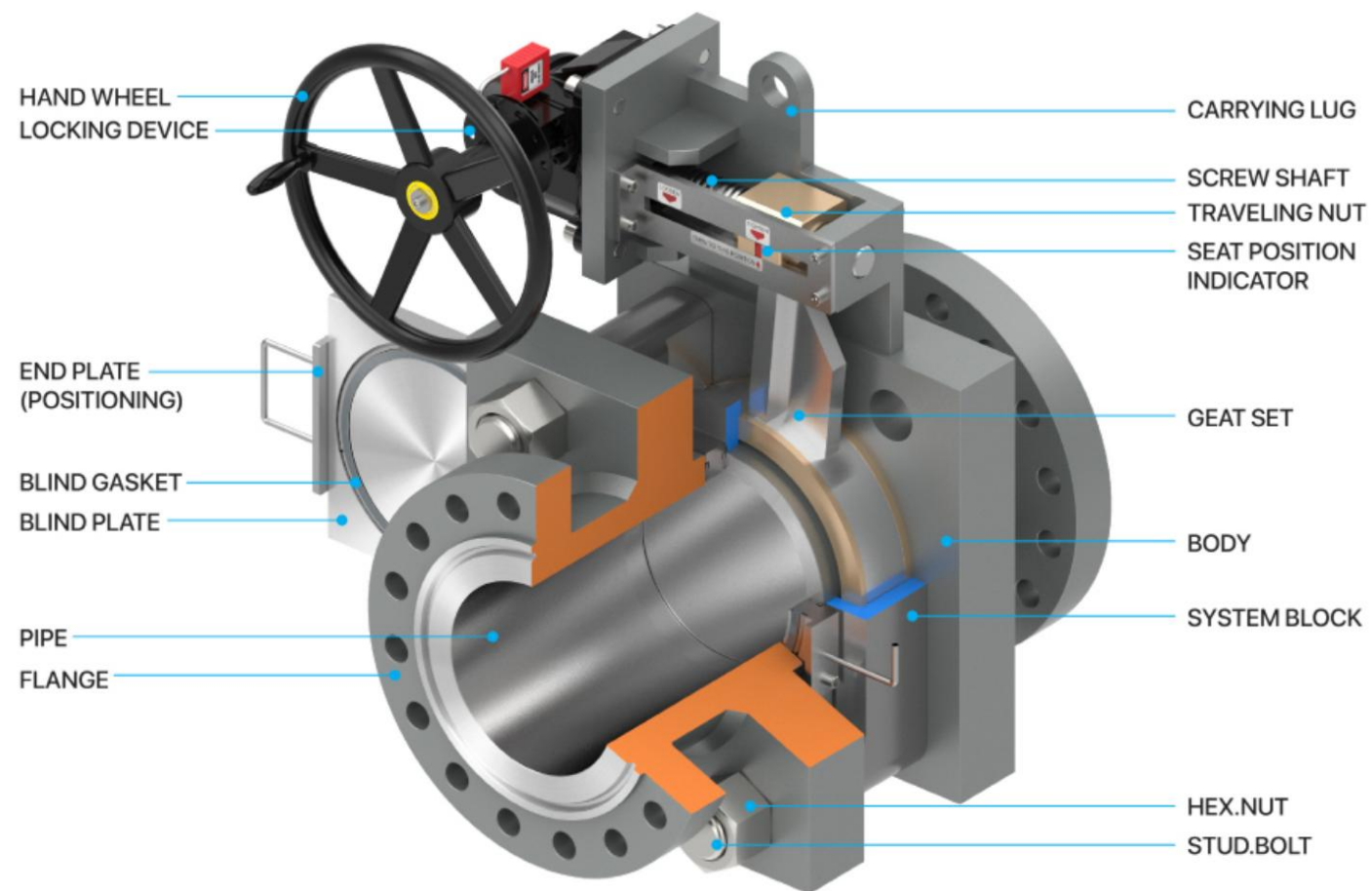
Gas & Liquid Perfect Isolation(Zero Leakage)

OPERATION METHOD

Manual Operation
Electric, Pneumatic or Hydraulic Operation

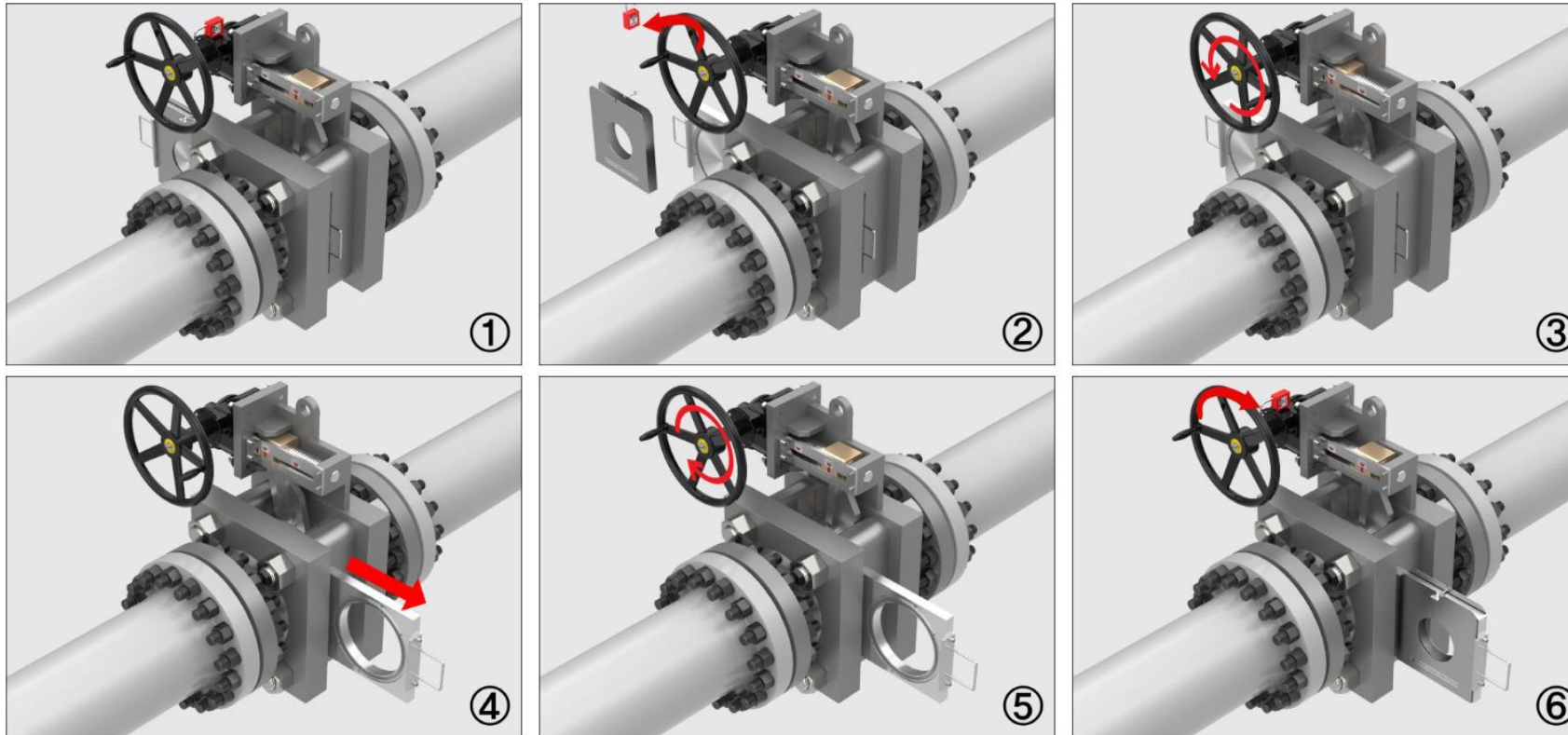
Blind Valve - EX Type

Part & Description



Blind Valve - EX Type

Operating Instruction



1. Before turning the handwheel to change the blind plate position, internal pressure of the valve must be drained and be sure no pressure (Zero).

2. Unlock locking device for turn to handwheel.

3. To change the blind plate position, turn the handwheel clockwise until indicator reaches to "Open" mark.

4. When indicator is on "open" mark, change the blind plate position to open or close.

5. After change the blind plate position, turn the handwheel counter-clockwise until indicator reaches to "Close" mark to tighten the seat.

6. Lock locking device for can't use unauthorized person.



GENERAL INFORMATION

INSTRUCTION & FEATURES

The fan-shaped goggle valve is produced by ZZJG consists of left valve body, middle valve body, right valve body, sector blind plate, screw nut, stainless steel compensator, two worm gear transmission mechanisms. The left and right valve bodies are clamped and loosened by rotating the connecting shaft with a wrench, and the position transformation of the blind hole plate and the through hole plate on the valve plate is used to achieve the purpose of opening and closing.

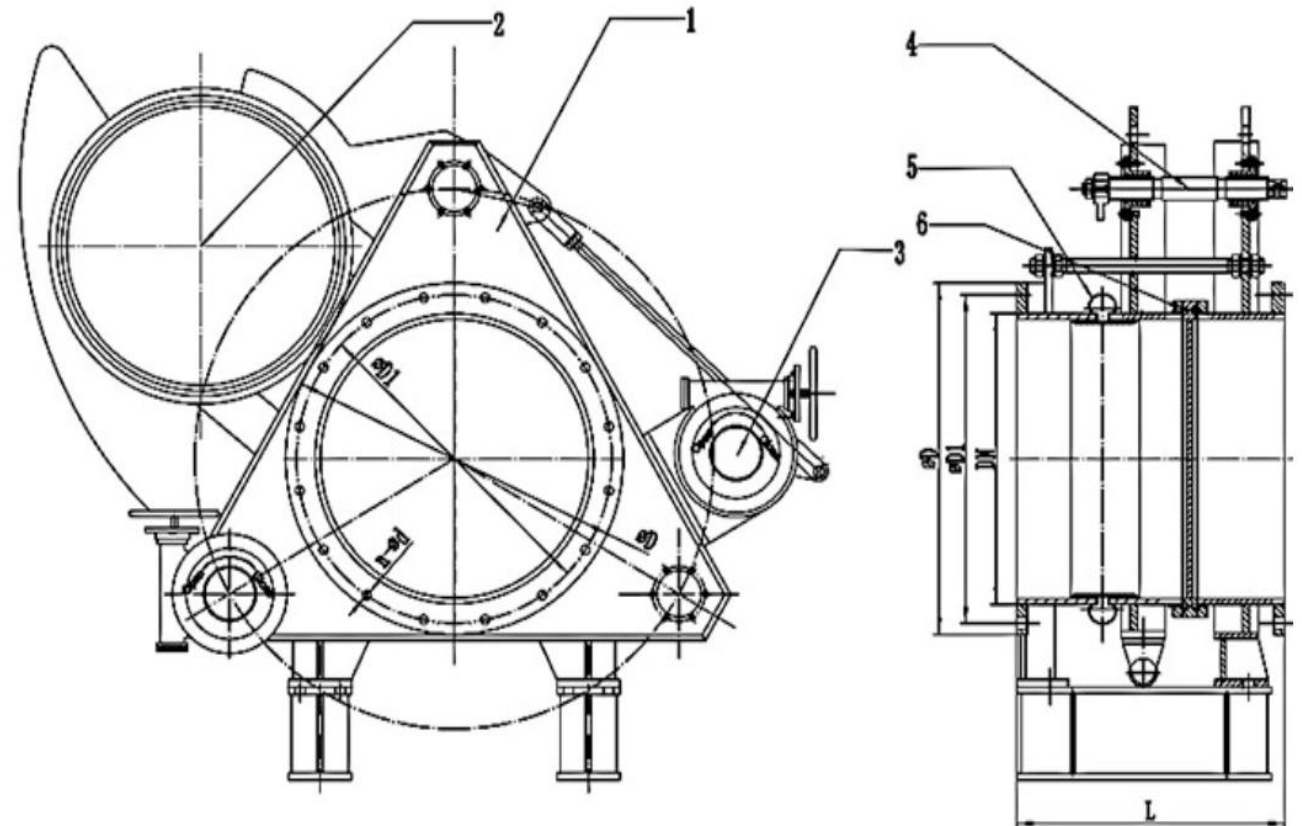
Goggle Valve - Fan-shaped Type

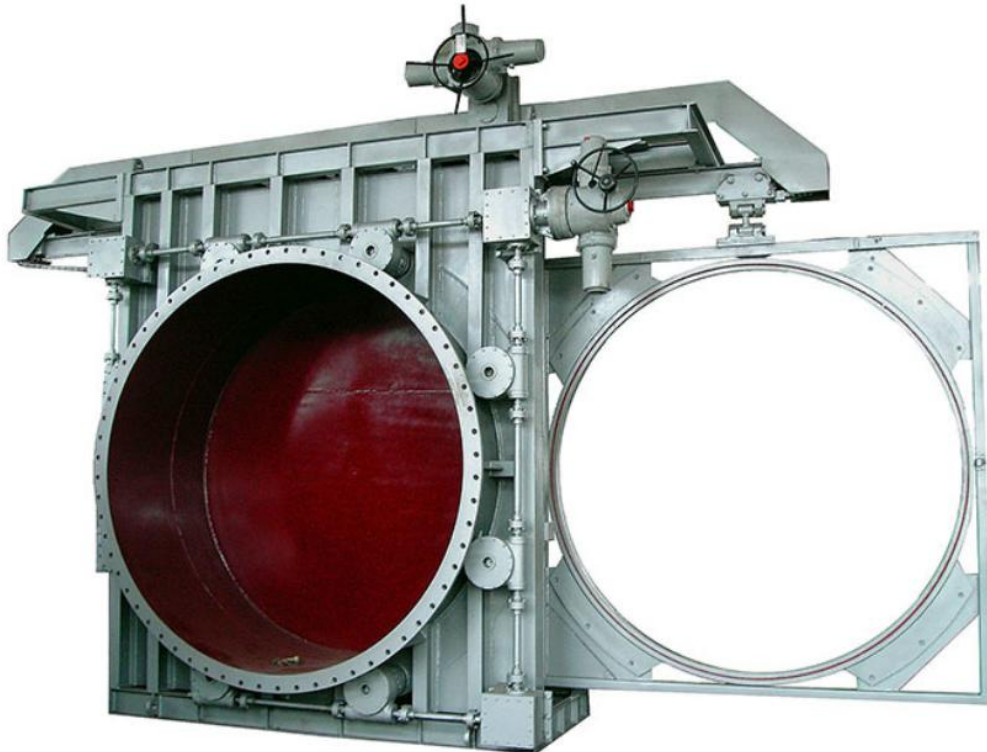
Main Materials

Part	Material
Body	Stainless steel/Carbon steel
Disc	Stainless steel/ Carbon steel
Stem	Stainless steel/Carbon steel
Seat	NBR/silicon rubber
Bellows	SS304, SS316
Gear box	HT200

Technical Requirements

Model	F343X-0.5C
Medium	Air, Smoke, coal gas etc.
Pressure	0.05MPa
Temperature	≤250℃
Leakage	0





GENERAL INFORMATION

INSTRUCTION & FEATURES

The open type Goggle Valve Goggle valve contains body, disc, stem, left and right nut, screw, seat, equipment etc. This kind of valve is made of right and left body, circulator sector gate, pin nut etc. Rubber sealing is embedded in valve body and has the better seal. It is easy to change and has long term service.

Pressure: 0.01-2.5 Mpa

Size: D400-DN2800

Media: Metallurgy, chemical, power etc.

Goggle Valve - Open Type

Pressure and Temperature

Norminal Pressure Mpa	0.05	0.10	0.15	0.25	
Sealing Test	0.055	0.11	0.165	0.275	
Sheel Test	0.075	0.15	0.225	0.375	
Sealing Material	NBR	Silicone rubber	Viton	Metal	
Working Temperature	-20-100℃	-20-200 ℃	-20-300 ℃	-20-45 ℃	
Suitable Media	Air, Coal gas, dusty gas				
Supply Voltage	380V AC				

Main materials list

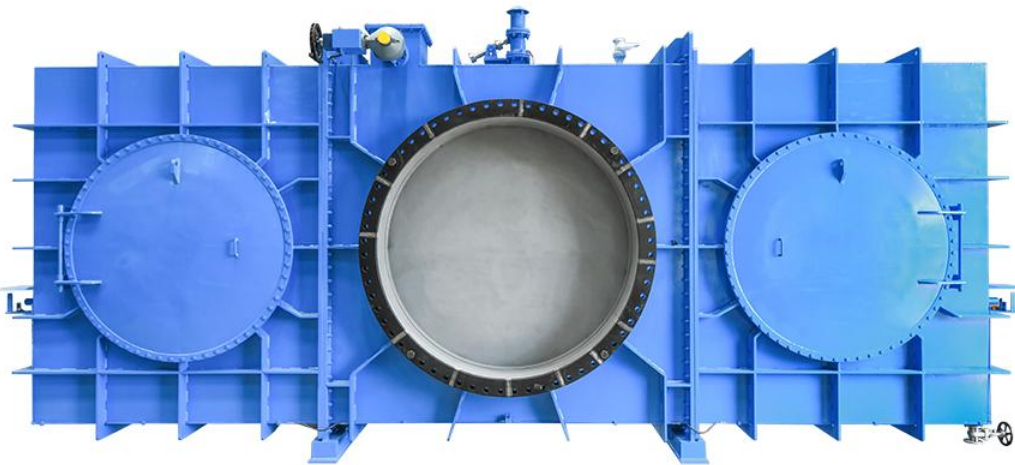
Part	Body/Disc	Lead screw	Nut	Compensator	Sealing	
Material	Carbon steel	Alloy steel	Mangain alloy	Stainless steel	Viton/NBR/Silicone rubber/Metal	

GENERAL INFORMATION

INSTRUCTION & FEATURES

Closed type goggle valve has an open designed structure with fully closed shell, which has zero leakage during operation. It has a good resistance to the external force of the pipeline. The hydraulic actuators are set outside, it's easy to operate & maintain & check at work site.

This valve has the characteristics of multi-point synchronous clamping equipment, has good sealing performance, reliable operation, convenient maintenance, etc.



Pressure and Temperature

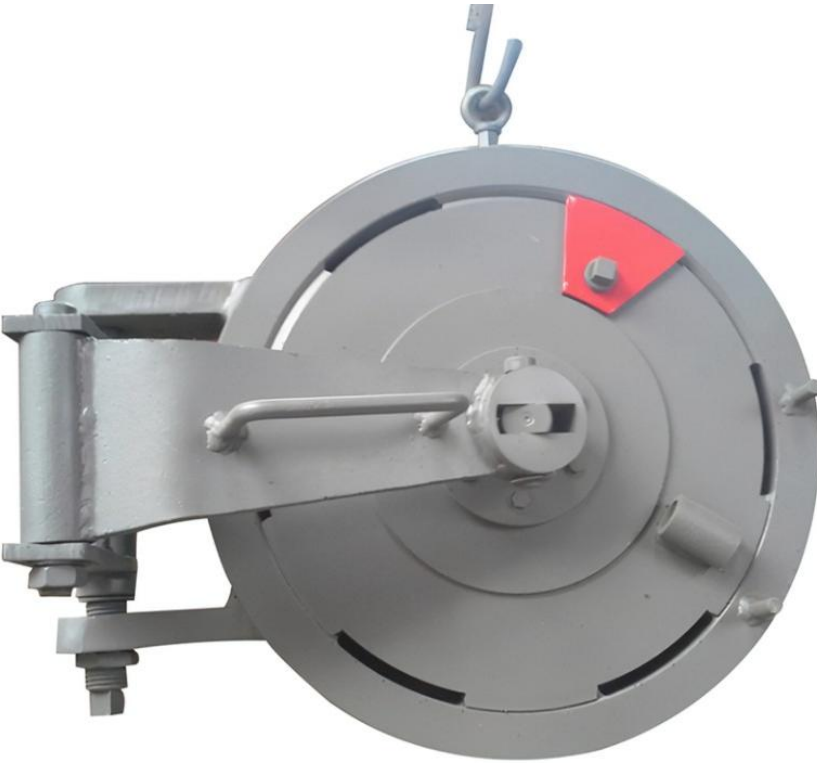
Norminal Pressure Mpa	0.05	0.10	0.15	0.25
Sealing Test	0.055	0.11	0.165	0.275
Sheel Test	0.075	0.15	0.225	0.375
Sealing Material	NBR	Silicone rubber	VITON	Metal
Working Temperature	-20-100°C	-20-200 °C	-20-300 °C	-20-45 °C
Suitable Media	Air, Coal gas, dusty gas,etc.			
Supply Voltage	380V AC, etc.			

Main materials list

Part	Body/Disc	Lead screw	Nut	Compensator	Sealing
Material	Carbon steel	Alloy steel	Mangain alloy	Stainless steel	VITON/NBR/Silicone rubber/Metal



Buckle Quick Opening Closure



Overview and Application

The buckle quick opening closure mainly uses the intermittent matching threads of the blind plate and the pipe flange for quick connection.

Application in the pipeline, the receiving/transmitting device of the pipe cleaner, various filters, filter separators, pressure kettles, vulcanizing tanks, various quick-opening door pressure vessels.

Features

Diameter: DN100-DN2000

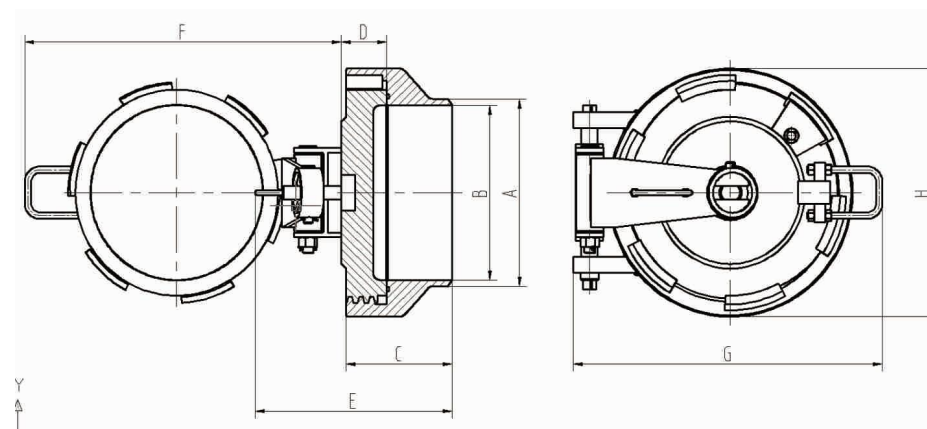
Pressure: 1.0Mpa~32Mpa (available upon request)

Temperature: $\leq 200^{\circ}\text{C}$

Body: HT200,QT,WCB,SS

Standard: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized

Buckle Quick Opening Closure



A	B	C	D	E	F	G	H	weight (kg)	
								cover	total
200	165-199	200	65	330	442	430	340	38	85
250	243-253	200	75	347	565	490	390	42	92
300	289-307	230	75	365	608	535	445	60	121
350	317-341	230	80	375	738	590	490	80	175
400	363-387	235	85	390	743	650	550	101	245
450	409-442	235	85	415	842	710	600	116	267
500	457-537	245	95	440	881	775	665	135	295
600	558-587	260	110	475	956	900	775	170	378
650	587-641	275	110	N/A	N/A	N/A	828	227	484
700	641-692	280	115	N/A	N/A	N/A	880	276	576
800	760-790	325	120	N/A	N/A	N/A	980	334	693

Clamp Quick Opening Closure



Overview and Application

The clamp quick opening closure mainly uses the opening and closing screw to extend lugs at both ends of its closed chamber on the upper part of the quick-opening blind plate.

Application in the pipeline, the receiving/transmitting device of the pipe cleaner, various filters, filter separators, pressure kettles, vulcanizing tanks, various quick-opening door pressure vessels.

Features

Diameter: DN100-DN2000

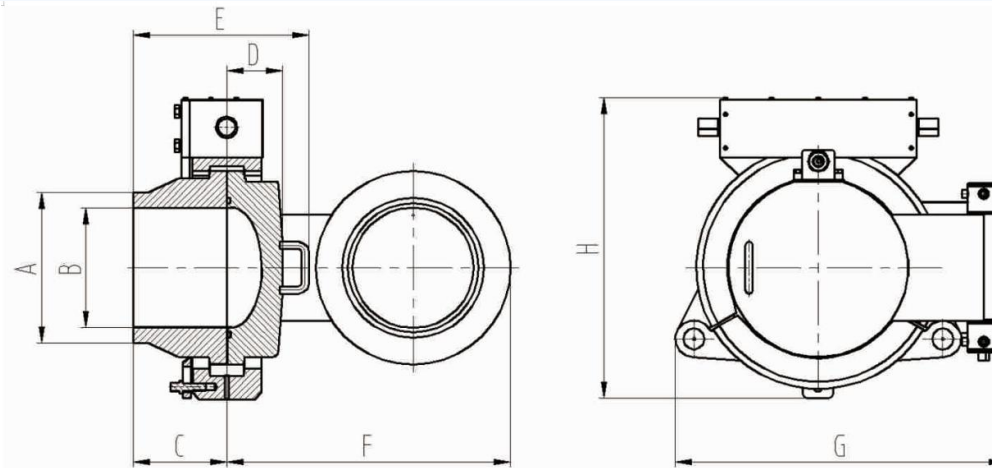
Pressure: 1.0Mpa~50Mpa (available upon request)

Temperature: $\leq 200^{\circ}\text{C}$

Body: HT200,QT,WCB,SS

Standard: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized

Clamp Quick Opening Closure



A	B	C	D	E	F	G	H	weight (Kg)	
								cover	total
8"	177-203	200	65	295	435	535	450	28	98
10"	243-253	200	70	310	470	600	510	48	130
12"	289-307	220	70	310	544	630	570	66	216
14"	317-341	220	72	314	633	665	635	88	232
16"	363-387	220	85	370	673	800	750	110	260
18"	409-442	240	85	390	712	860	820	129	450
20"	457-537	260	90	410	850	925	880	218	526
24"	558-587	265	98	450	906	1055	1010	323	583
26"	587-641	280	105	460	932	1110	1070	350	740
28"	641-692	300	115	475	1058	1170	1135	509	610
32"	760-820	320	120	530	1214	1340	1280	681	1416
36"	845-890	340	125	550	1388	1470	1400	898	2010
40"	946-976	350	130	650	1502	1720	1440	1116	2248
46"	1078-1149	360	155	730	1712	1830	1680	1493	2756
50"	1179-1230	365	165	800	1969	1930	1920	1757	3041
56"	1331-1382	370	175	850	2260	2150	2100	2130	4387
63"	1580-1650	580	330	910	2490	2950	2750	3500	9460

Pressure Ring Quick Opening Closure



Overview and Application

Compared with other similar products, the pressure ring quick opening closure is light and quick to open and close. One person can easily block the air or close the quick-opening closure.

Application in the pipeline, the receiving/transmitting device of the pipe cleaner, various filters, filter separators, pressure kettles, vulcanizing tanks, various quick-opening door pressure vessels.

Features

Diameter: DN500-DN3000

Pressure: 1.0Mpa~20Mpa (available upon request)

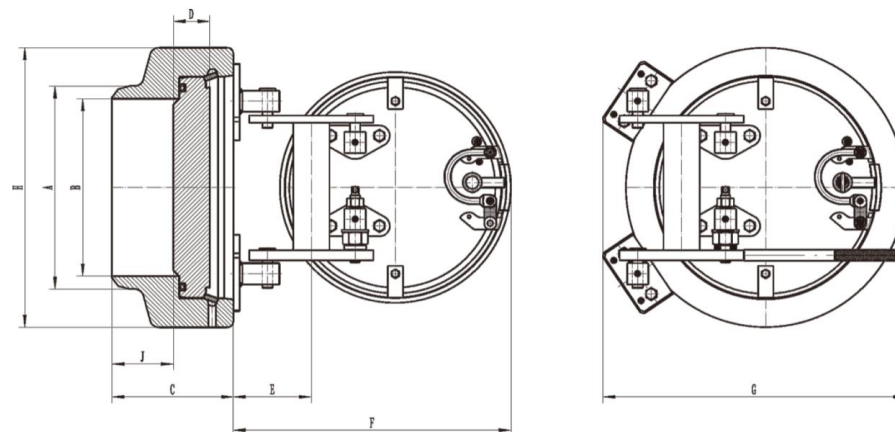
Temperature: $\leq 200^{\circ}\text{C}$

Body: HT200,QT,WCB,SS

Standard: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized

Pressure Ring Quick Opening Closure

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



A	B	C	D	E	F	G	H	weight (kg)	
								cover	total
400 (16")	363-387	166	70	210	500	640	520	62	175
450 (18")	409-442	180	72	220	560	685	580	100	240
500 (20")	457-537	190	75	230	645	800	630	120	300
600 (24")	558-587	197	80	230	745	880	750	194	435
650 (26' ")	587-641	214	90	240	835	N/A	916	260	680
700 (28")	641-692	295	100	240	905	N/A	972	339	900
800 (32")	760-790	305	105	250	985	N/A	1000	460	1210
900 (36' ")	845-890	355	125	265	1105	N/A	1150	650	1480
1000 (40")	946-976	375	130	295	1300	N/A	1257	870	1900



Overview and Application

The Air damper valve is a ventilation butterfly valve without a sealing structure. The Air damper has various forms, including square, rectangular, round and oval. The various forms can meet the different requirements of users. The applicable temperature depends on the valve body material selection.

Features

Diameter: DN50-DN6000

Pressure: 0.05Mpa~0.6Mpa

Temperature: 40~600°C

Applicable media: dusty gas, flue gas, hot air, coal gas, etc

Drive type: manual, worm gear, pneumatic, electric, transmission



Overview and Application

The blade is usually open. In case of fire, the smoke temperature in the pipe reaches 70°C and it will fuse and close. It can also be closed electrically by DC24V, and it can meet the requirements of smoke leakage and fire resistance integrity within a certain period of time, playing a role in smoke isolation and fire prevention.

Features

Nominal pressure: $\leq 300\text{Pa}$ at ambient temperature;

Applicable media: air, smoke, dust gas, etc.

Material: galvanized sheet material

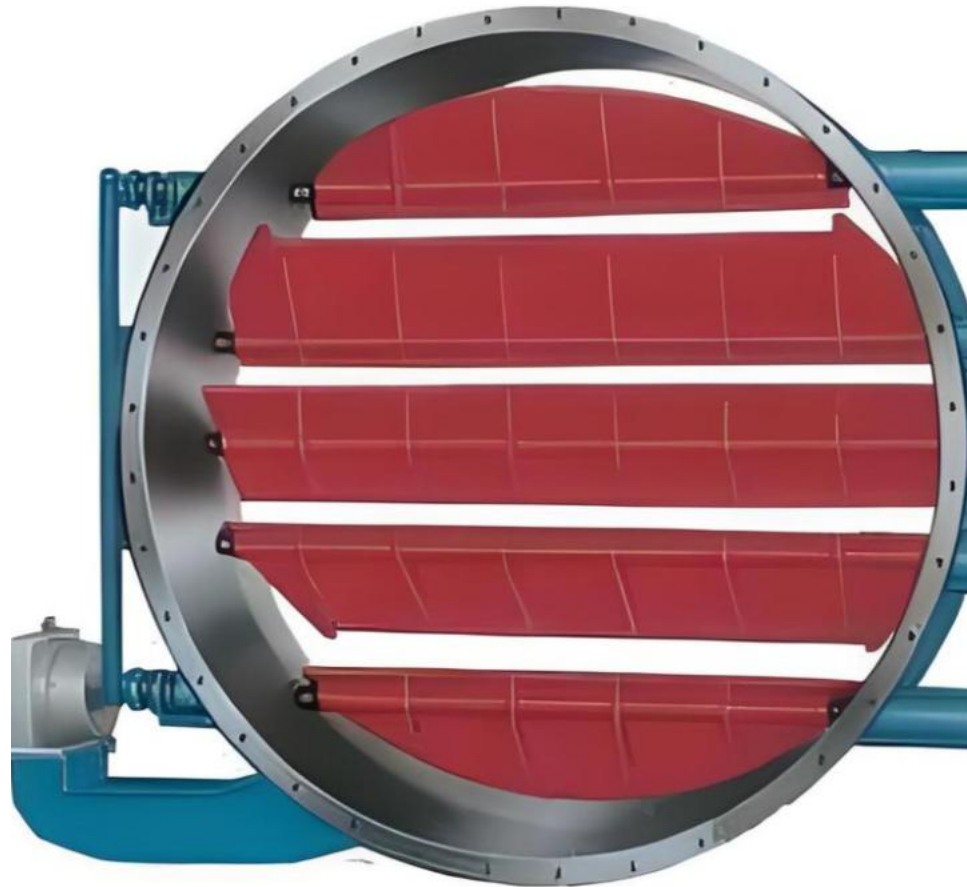
Fuse action temperature: 70° (or 280°)

Valve fire resistance level: 1.5h

Leakage: leakage per unit area $\leq 700\text{m}^3/\text{m}^2.\text{h}$



Air Damper - Round Type



Overview and Application

Round air damper is welded with high-quality carbon steel. It has the advantages of reasonable structure, wear resistance, small flow resistance loss, flexible operation, convenient maintenance, and long service life. It can be remotely controlled when equipped with a transmission device, is an ideal device for regulating flow.

Features

Diameter: DN100-DN1200

Nominal pressure: 0.2Mpa

Medium flow rate: $\leq 25\text{m/s}$

Applicable temperature: $\leq 300^{\circ}\text{C}$

Leakage rate: $\leq 1\%$

Applicable medium: air, flue gas, dust gas, etc

Air Damper - Rectangular Type



Overview and Application

Rectangular air damper is welded with high-quality carbon steel. It has the advantages of reasonable structure, wear resistance, small flow resistance loss, flexible operation, convenient maintenance, and long service life. It can be remotely controlled when equipped with a transmission device.

Features

Diameter: DN100-DN1200

Nominal pressure: 0.2Mpa

Medium flow rate: $\leq 25\text{m/s}$

Applicable temperature: $\leq 300^{\circ}\text{C}$

Leakage rate: $\leq 1\%$

Applicable medium: air, flue gas, dust gas, etc.



Overview and Application

The rotary disc valve drives the valve plate to move through the rotating shaft, so that the motive force when the valve is switched is a rotational motion. The rotary disc valve is flexible to open and close, and has reliable sealing, it can replace double-disc valves, bell valves, etc.

Features

Nominal diameter: DN40-DN400

Nominal pressure 1.0-1.6MPa

Pneumatic actuator working pressure: 0.2-0.6MPa

Applicable temperature: $\leq 200^{\circ}\text{C}$

Applicable media: fly ash, ash, dry dust, solid particles, gas, liquid

Interface form: flange

Material: ceramic, carbon steel, stainless steel



Overview and Application

The slide gate valve, also known as the gate valve, is a valve that relies on the lifting of the gate to realize the opening and closing of the pipeline. Its core principle is to control the flow and cutoff of the medium in the pipeline through the close fit or separation of the gate and the valve seat.

Features

Diameter: DN100-DN2000

Pressure: 0.1Mpa~1.6Mpa

Temperature: -25~+600°C

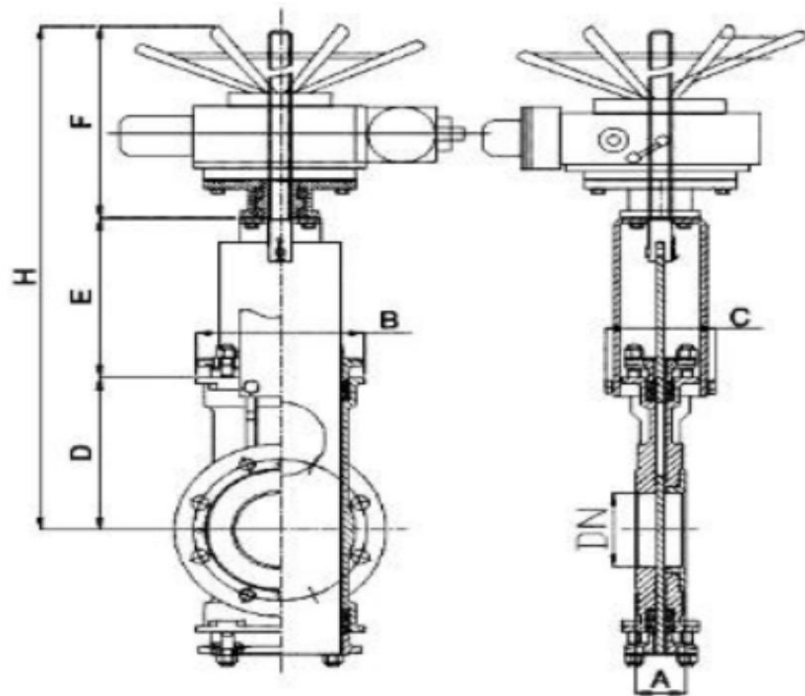
Medium: Dust containing particles, etc.

Body: HT200,QT,WCB,SS

Interface form: Flanged

STANDARD: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized

Slide Gate Valve



DN	A	B	C	D	E	F	H	Electric Actuator
80	49	155	87	165	197	336	698	DZW15
100	49	175	97	195	214	336	745	DZW15
125	55	203	97	225	241	336	802	DZW15
150	55	220	111	270	277	336	879	DZW20
200	68	283	121	335	325	336	996	DZW20
250	68	350	131	425	395	358	1178	DZW30
300	73	402	131	510	448	358	1316	DZW30
350	78	454	140	592	509	365	1466	DZW45
400	89	500	155	652	577	365	1594	DZW45
450	89	564	170	717	613	390	1720	DZW60
500	114	630	200	800	730	428	1958	DZW90



Overview and Application

The vacuum manual gate valve is an important component of the vacuum system and vacuum equipment. It is connected to the vacuum pipeline and is used to connect and cut off the airflow.

The vacuum manual gate valve is used to open or close the valve by operating the handle to drive the valve plate up and down.

Features

Diameter: DN100-DN2000

Pressure: 1×10^5 pa \sim 1×10^{-5} pa

Temperature: $-29 \sim +150^\circ\text{C}$

Medium: Clean air

Body: HT200, QT, WCB, SS

Interface form: Flanged

Standard: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized



Large Diameter Water-cooled Gate Valve



Overview and Application

This series of valves is driven by electricity. The valve has reasonable structural design, stable operation, fast transmission speed, can be used at high temperature (the temperature can reach up to 3200°C), good sealing performance and other advantages. The valve core is driven by the ball screw to move along the axial direction to complete opening and closing action.

Features

Diameter: DN1000-DN4000

Pressure: 1×10^5 pa ~ 1×10^{-5} pa

Temperature: -29 ~ +3200°C

Medium: Clean air

Body: HT200, QT, WCB, SS

Interface form: Flanged

Standard: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized





Overview and Application

A sluice gate valve, also known as a gate valve, is a type of valve that uses a gate or wedge-shaped disc to control the flow of fluids. It's typically used for on/off control in pipelines, and when fully open, it offers minimal resistance to flow.

Features

Diameter: DN100-DN6000

Pressure: 0.01Mpa~0.1Mpa

Temperature: $\leq 70^{\circ}\text{C}$

Body: HT200, QT, WCB, SS, C95800

Seal: Brass, epdm, rubber

Stem: 2Cr13, SUS304, SUS410, SUS316

Operation: Manual, Electric, Pneumatic or Hydraulic

Standard: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized



Overview and Application

The copper cast iron gate is an ideal equipment for water supply, drainage and sewage treatment designed and improved by ZZJG Industrial Valve Factory based on many years of manufacturing experience. The manufacturing and processing of this gate complies with the CJ/T3006-1992 standard of the Ministry of Construction and the American AWWA standard.

Features

Diameter: DN100-DN6000

Pressure: 0.01Mpa~0.1Mpa

Temperature: $\leq 70^{\circ}\text{C}$

Body: HT200, QT Stem: 2Cr13, SUS304, SUS410, SUS316

Seal: Brass, epdm, rubber

Operation: Manual, Electric, Pneumatic or Hydraulic

Standard: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized



Sluice Gate Valve - Cast Steel and SS Type

Overview and Application

Carbon steel or stainless steel sluice gate, the main materials are stainless steel or carbon steel sprayed with epoxy resin coating, rubber soft seal, light weight, flexible operation, corrosion resistance, no rust, easy installation and maintenance, reliable sealing and other functions, can be widely used in sewage treatment plants, water plants, drainage, rivers and other projects, as a cut-off, flow adjustment and water level control.

Features

Diameter: DN200-DN4000

Pressure: 0.01Mpa~0.1Mpa

Temperature: $\leq 80^{\circ}\text{C}$ Seal: Brass, epdm, rubber

Body: WCB, SS Stem: 2Cr13, SUS304, SUS410, SUS316

Operation: Manual, Electric, Pneumatic or Hydraulic

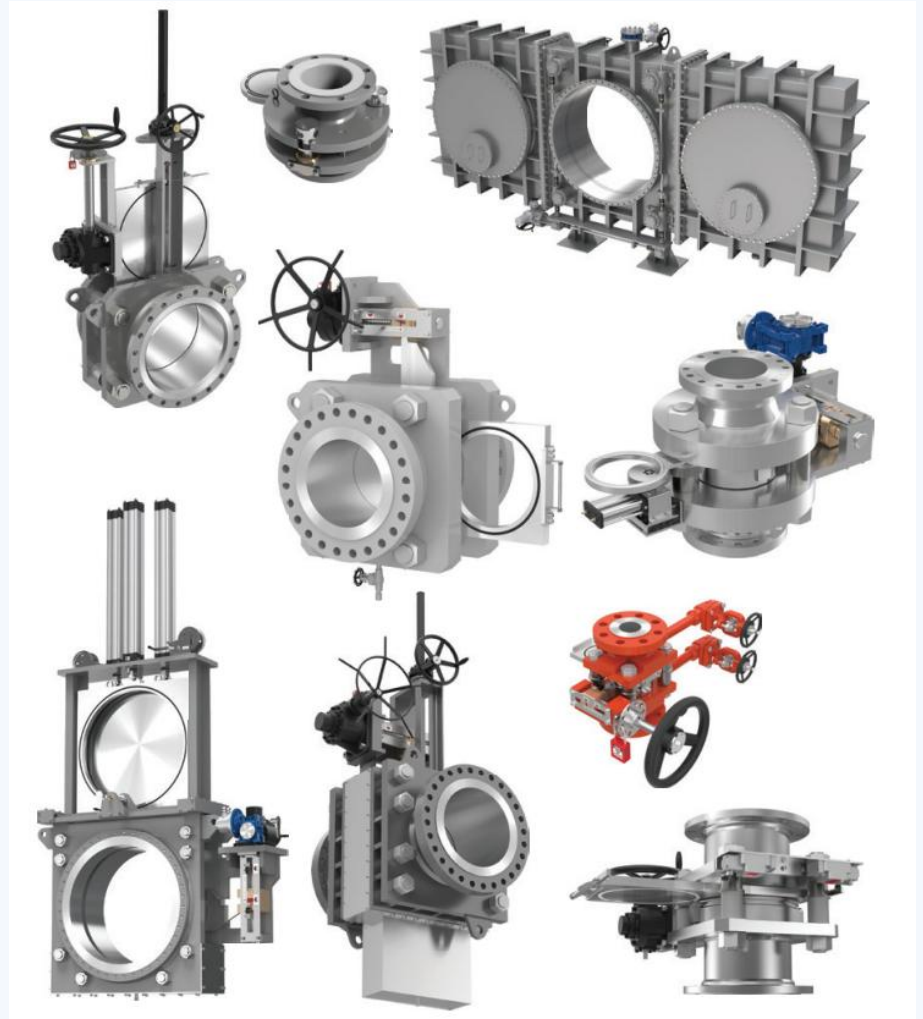
Standard: ANSI, API, DIN, EAC, JIS, CE, ISO, EN, GB, Customized



Blind Valve Business - OEM

We offer customized blind valve products based on customers' on - site dimensions, featuring strong targeting to ensure proper adaptation and meet specific needs.

- Customization is based on customers' on - site dimensional data.
- Ensures perfect fit with the actual installation environment.
- Effectively meets special size requirements in different on - site scenarios.
- Provides reliable and suitable valve solutions.



MMA Unit Reactor Outlet



19 sets of DN100 8-shaped blind flange need to be switched every 2-3 days

Before the upgrade: 3-4 people need to work for 5-6 hours to complete switch

After the upgrade: Only 1 person needs to work for 1.5 hours to complete switch

Coagulation Tank of Styrene Butadiene Unit in Rubber Factory



10 sets of DN100 8-shaped blind plates need to be switched every 7 days

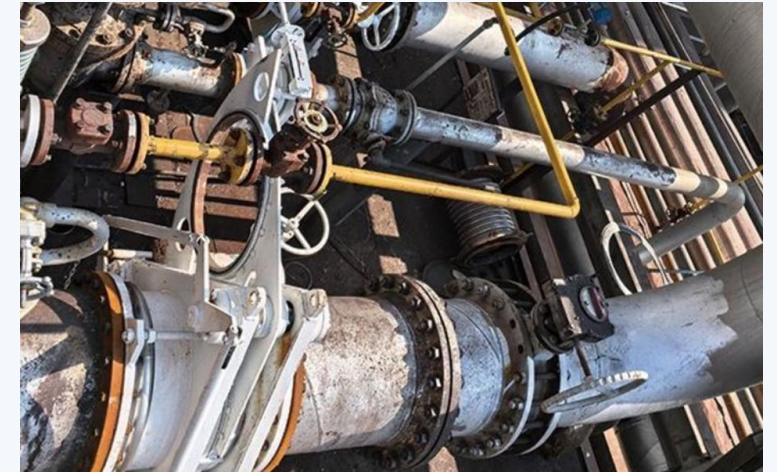
Before the upgrade: 3 people need to work for 5-6 hours to complete the switching

After the upgrade: only 1 person needs to work for 0.5-1 hour to complete the switching

Blind Valve Cases - Shipping



Blind Valve Cases - Site





Enterprise Strength - Qualification Certificate



TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**





Enterprise Strength - Qualification Certificate



TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



www.zzjgvalve.com

Enterprise Strength - Storage Center

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



Enterprise Strength - Partners

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Life Is On

Schneider
Electric

Rio Tinto

Production & Quality - Workshop

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



Production & Quality - Processing Equipments

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



Production & Quality - Processing Equipments

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



Production & Quality - Pressure Test

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**



Production & Quality - Quality Assurance

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**





Service Support - Sales and After-sales

01

Pre-sale Services

1. Multi-channels to reach at any time
2. 7*24 hours online, super-fast response

02

In-sale Services

1. One to one service strategy
2. Personalized service

03

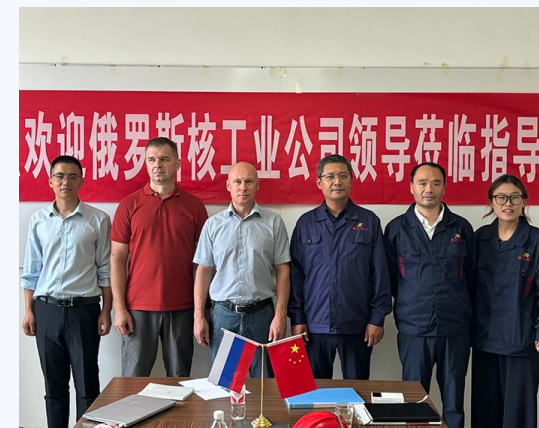
After-sale Services

1. One year warranty, pay two back if one bad
2. All-round customer support



Service Support - World Business

TOTAL SOLUTIONS FOR FLOW SYSTEM **ZZJG VALVE**





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THANKS

