



# Guard Valves and Spare Parts for Tank Equipment



▼ Grande-Tek Flow Control Co., Ltd



▲ Hebei Grande Precision Machinery Co., Ltd

Founded in 1996, Grande-Tek Flow Control Co., Ltd is a professional manufacturer of precision casting and machining of valves and fittings. It enjoys good reputation in the line of petroleum, heating, electricity, food, transportation. Its high quality products are popular all over the world. The company occupies an area of 67,000 square meters of manufacturing, design, and engineering space. The company has a staff of 500 highly trained and motivated employees. There are more than 200 miscellaneous kinds of processing equipment and testing machines. With quality certification of ISO 9001:2015, A1, A2 Special Equipment Manufacture License, AD W2000, TS16949, CE, DVGW, GOST, CCS, LR, RMRS, our products fully meet customer's requirements.

Now, the company has established a series of valves and spare parts for tank containers T11\T14\T20\T50\T75, road tankers and rail tanks, including Manlid, Relief valve, Air Inlet Ball Valve, Butterfly Valve, Foot Valve, Flanges and kinds of Spare Parts. As a member of ITCO, It has been the first professional manufacturer of a whole series of valves and spare parts for tank equipment with its own brand in China.



## Enterprise Culture

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■ **Value** Diligent and imaginative, honest and humble, benevolent and generous.

Definition: Diligent and imaginative: As heaven maintains vigor through movement, a gentleman should constantly strive for self-perfection. The path of a day is natural selection. Frequently to improve, encourage to insist, innovation as the diligence to survive with.

benevolent and generous: Topography the gentleman carries in, the aggregates in order to support all things. Righteousness is similar, persuade people with moral, Virtue is the method to polymerize everything.

honest and humble: At the beginning of life, human nature is empty, trust can make all things develop healthily, modest sincere communication can bear all things, courtesy is polite, confidence can make communication successful, take a good life principle of modest, cautious gentlemen.

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■ **Cultural Mission** Creating a more safe and green-energy flow control world, and supporting all staff along with their family to bloom happy lives.

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■ **Prospect** Keeping abreast with the top flow control enterprises around the world for century.

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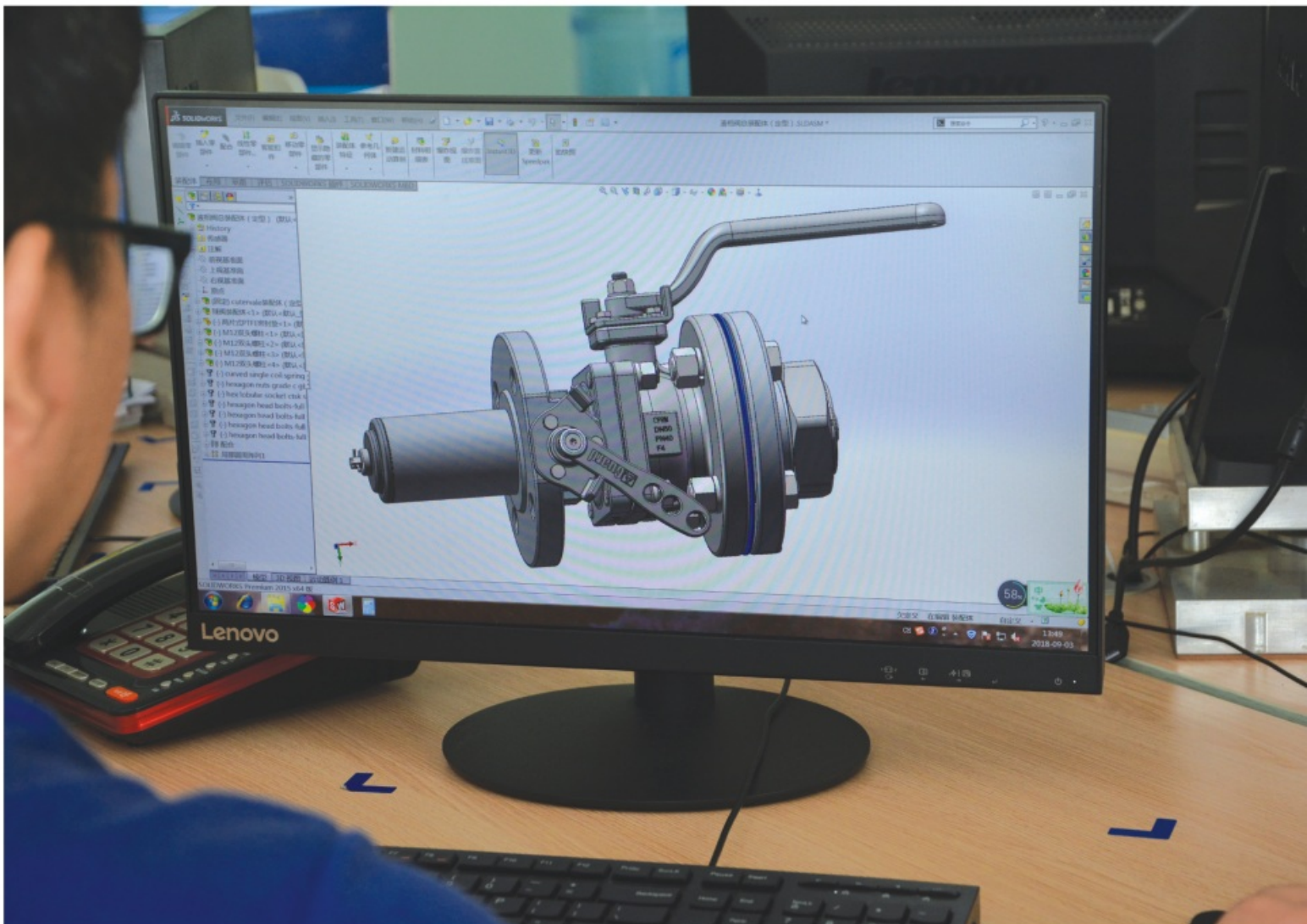


Ng to the S5 management program and we train our people to understand the program and to perform their work according to this program.





We have a state of the art research and design centre. By using CAD, Pro-E and SolidWorks our technicians are able to design high-tech products.



# Casting

The company is specialised in precision casting and the machining of valves and fittings. With our advanced technology, our modern machine park and our testing equipment from abroad we are supplying high quality controlled products.

wax processing



wax injection



wax repairing



pouring



Automatic shell-making



concentration test

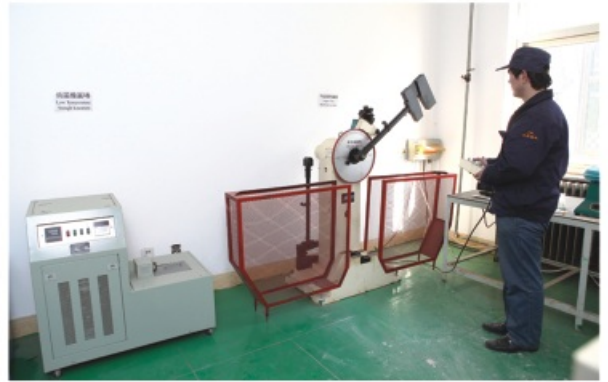




To meet the requirements of our customers we have invested in foreign quality control equipment.



ARL-3460 16-Channel Direct Reading Spectrometer



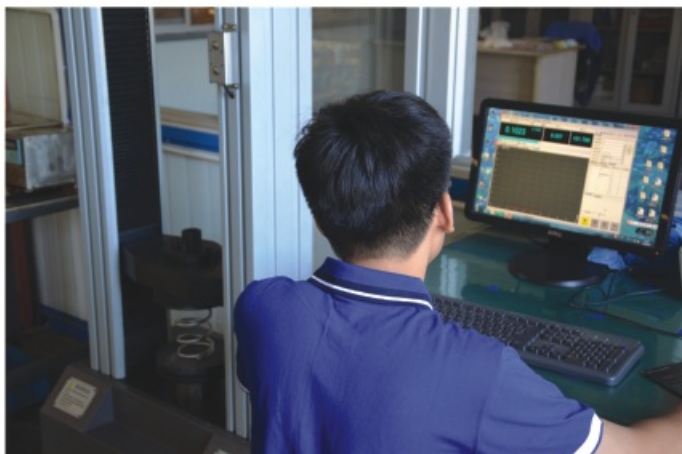
Low-temperature Impact Equipment



Roundness Instrument



Handhold Spectrometer



Spring Test Machine



CMM

In addition to the equipment shown, we also have access to: X-ray machine, salt spray projector, hardness tester, roughness meter.

# Manufacture

In order to improve our product quality we have invested in advanced CNC equipment to be able to process according to the international standard.



Machining Centre

Automatic Welding Machine

Ultrasonic Cleaning Machine



CNC Equipment

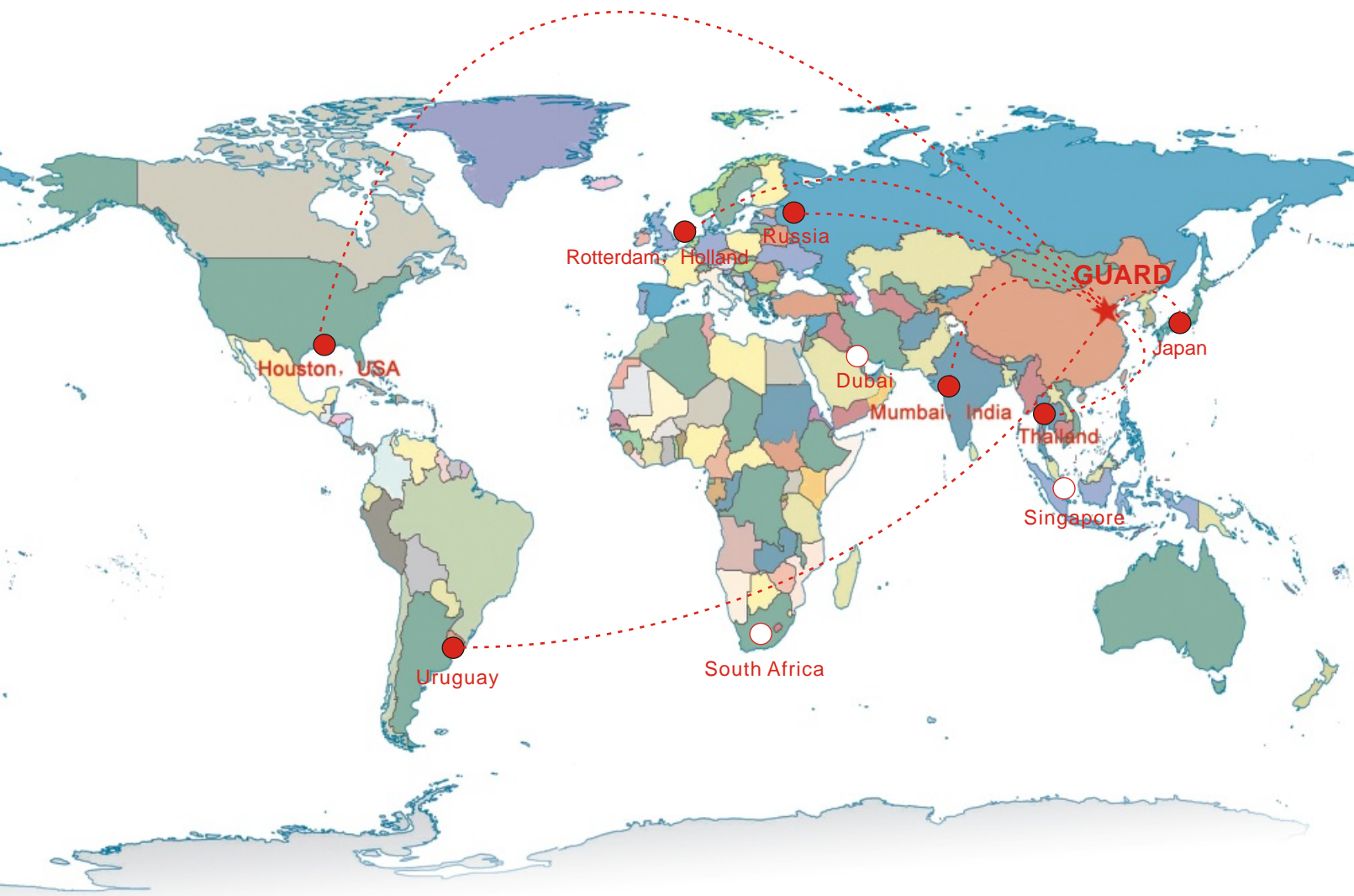
# Assembly And Testing

The company has set up T11, T20, T50 and T75 assembly lines. We have adapted our test machines in such a way that we can fully meet the high demands of our customers for all assembly lines mentioned above.



## *Worldwide Network*

GUARD has joined the International Tank Container Organization since 2013, and has participated in domestic and foreign professional exhibitions such as ITCO, IAA, Transport logistic, etc. over the years. Long-term cooperation has been well received by users. At present, we have established branches and offices in the United States, Thailand, India, Russia, the Netherlands, Japan, and Uruguay to provide timely and efficient services to customers in these regions.



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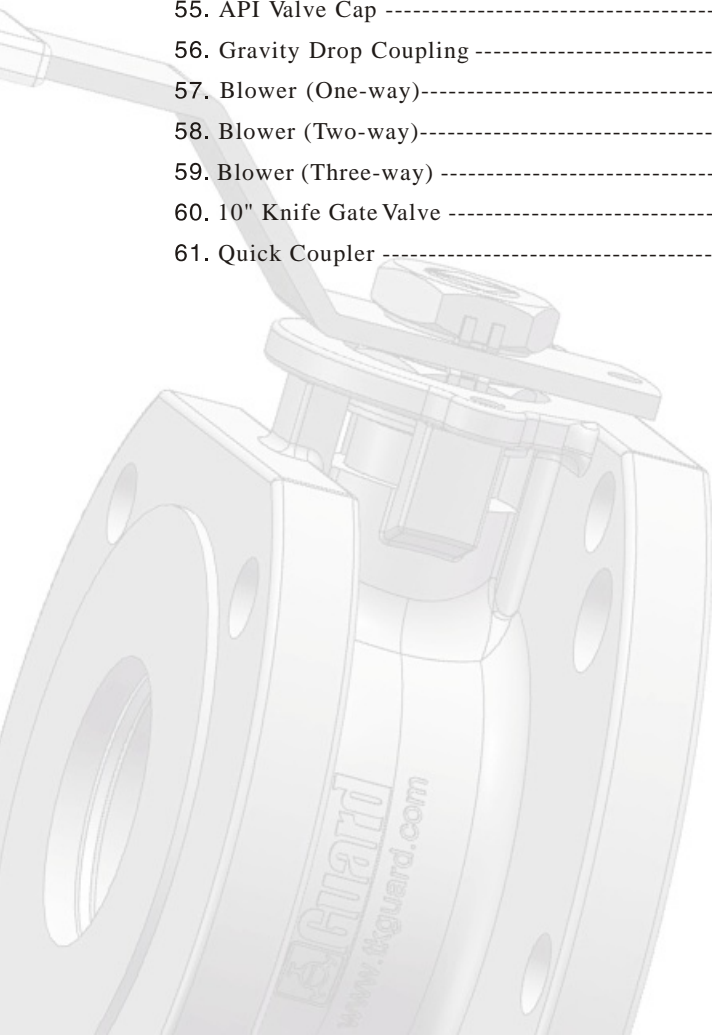
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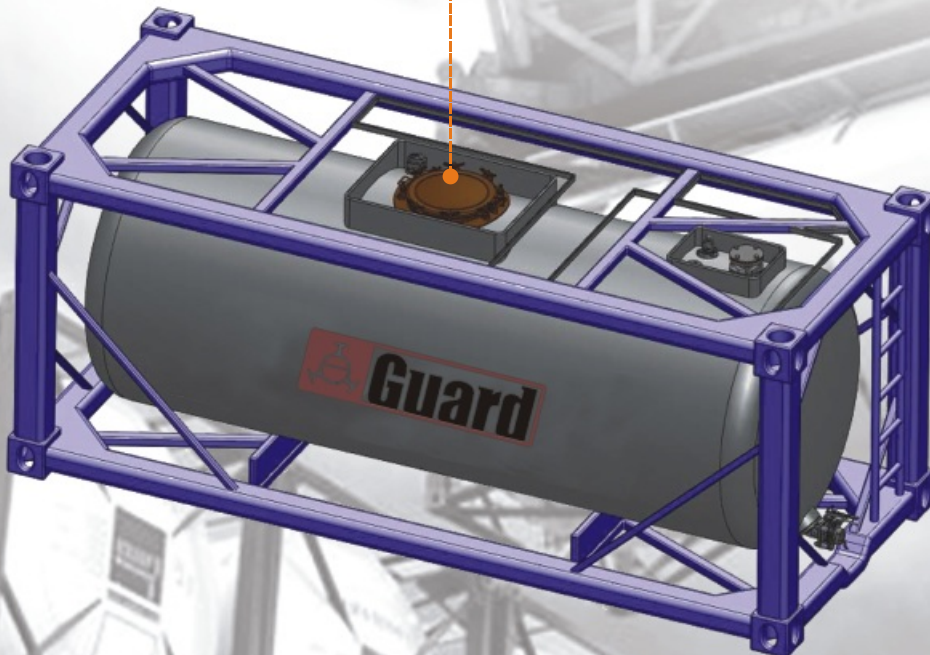
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# ISO Tank Container Valves and Spare Parts



# Manlid Assembly





170mm Inspection— 3 points, 6mm thickness, neckring depths 75mm. Stainless steel swingbolts with stainless steel handnuts or brass handnuts. Manlid seal sold separately.

Option— Different neckring depths and swingbolt combinations are available.

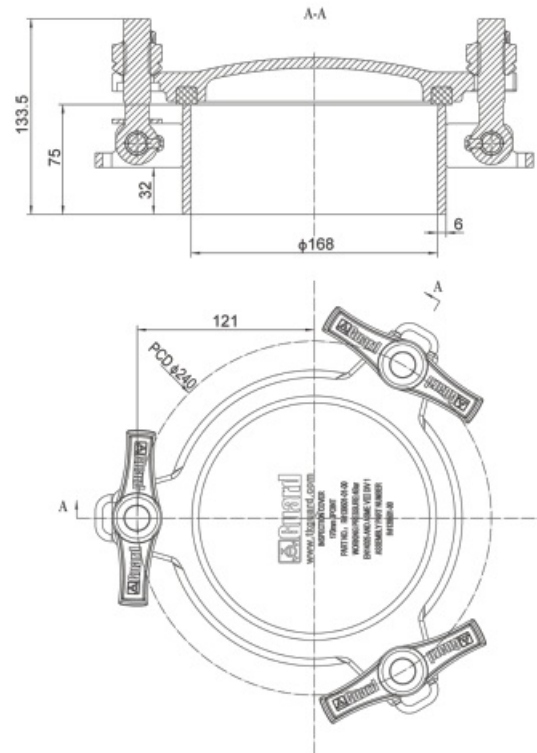
Part No.: R4139501-00  
 Nominal Diameter: 170mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 3  
 Design Temperature: -20°C ~ 150°C  
 Weight: 7kg

Temperature range depends on the seal

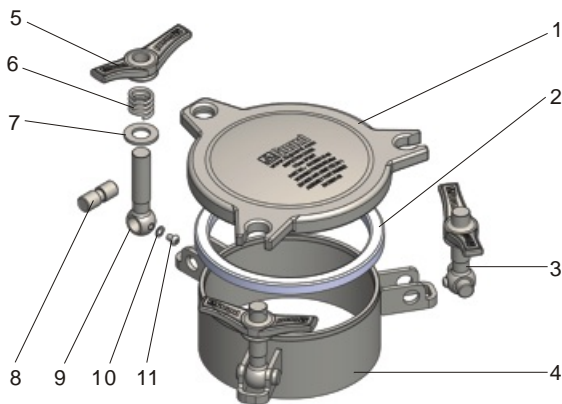
### Product

Neckring Height	Part No.
75mm	R4139501-00
100mm	R4139C01-00
125mm	R4139E01-00
150mm	R4139F01-00
200mm	R4139G01-00
305mm	R4139H01-00

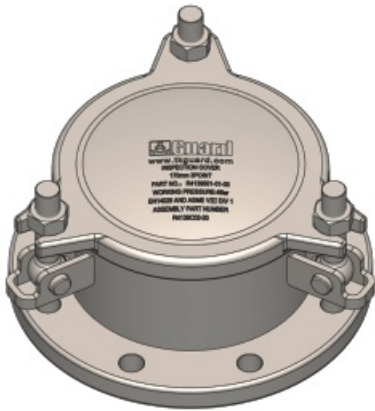
### Fitting Details



### Part Drawing



Item	Part No.	Description
1	R4139501-01	Cover
2	见密封件数据表	Seal
3	R4583A01-13-00	Bolt Assembly
4	R4139501-05-00	Neckring
5	R4583A01-05-01	Nut
	R4583A01-05-02	Sleeve
6	R4139501-02	Spring
7	R4139501-03	Gasket
8	R4583A01-13-01	Dabber
9	R4583A01-05-03	Bolt
10	859817006	Gasket
11	85988500M6*8	Screw



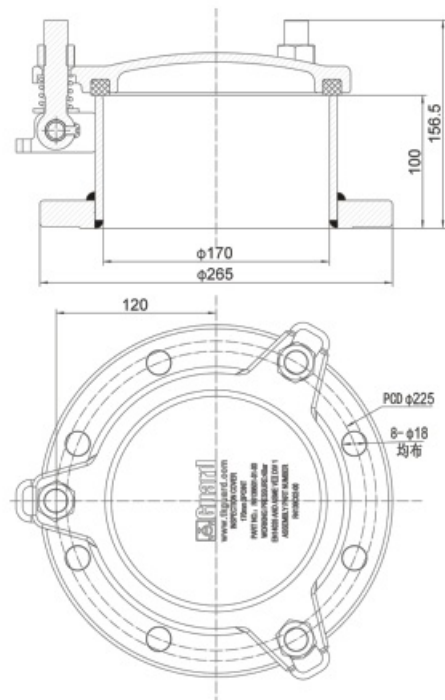
170mm Inspection 3 points, 6mm thickness, neckring depths 100mm ( Including the height of flange ) . Connected to the welding flange on the tank body through screw kits. Manlid seal and flange screw kits sold separately.

Option- flange sizes can be customized according to requirements, and swingbolt combinations are available.

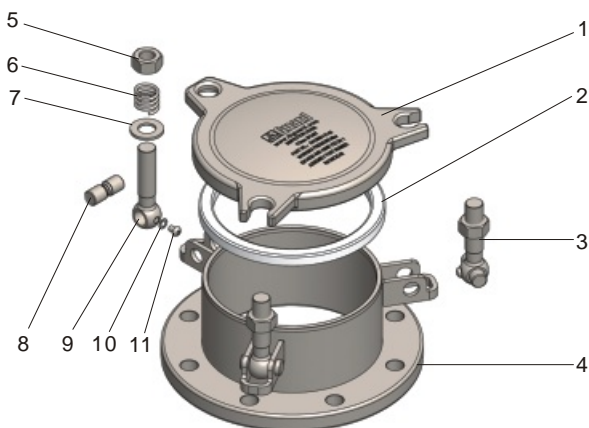
- Part No.: R4139C02-00
- Nominal Diameter: 170mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 3
- Design Temperature: - 20°C ~ + 150°C
- Weight: 11.5kg

Temperature range depends on the seal

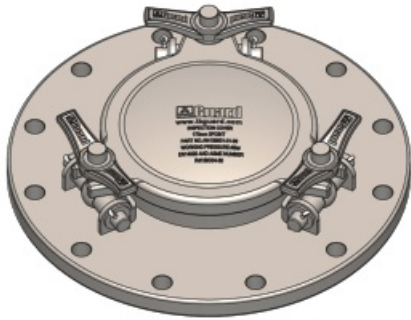
### Fitting Details



### Part Drawing



Item	Part No.	Description
1	R4139501-01	Cover
2	见密封件数据表	Seal
3	R4139C02-01-00	Bolt Assembly
4	R4139C02-02-00	Neckring
5	R4139C02-02-01	Nut
6	R4139501-02	Spring
7	R4139501-03	Gasket
8	R4583A01-13-01	Dabber
9	R4583A01-05-03	Bolt
10	859817006	Gasket
11	85988500M6*8	Screw



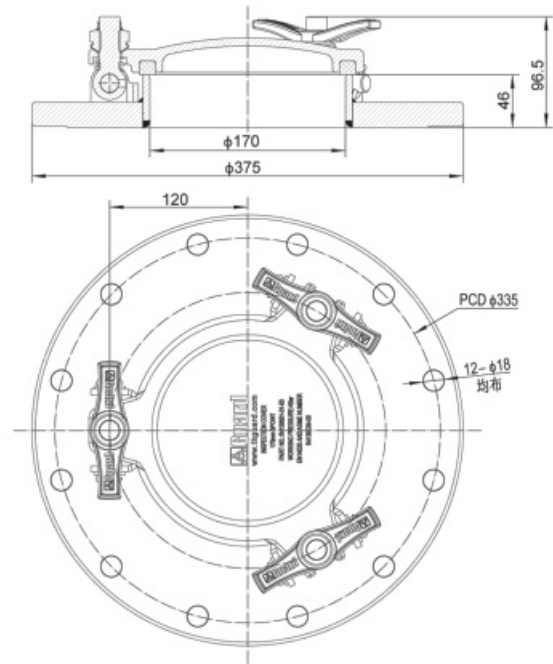
170mm Inspection 3 points, 6mm thickness, neckring depths 46mm ( Including the height of flange ) .Suitable for tanks with limited height space. Connected to the welding flange on the tank body through screw kits. Manlid seal and flange screw kits sold separately.

Option- flange sizes can be customized according to requirements, and swingbolt combinations are available.

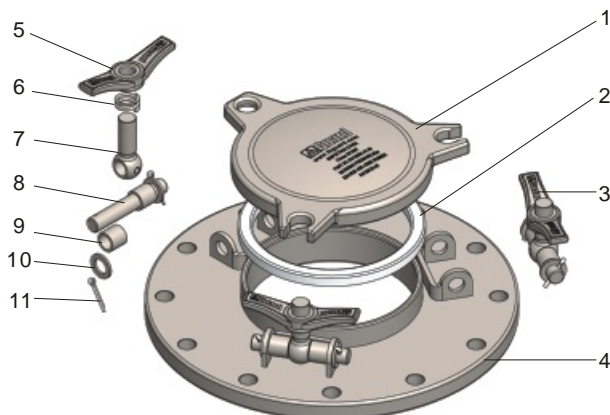
Part No.: R4139C04-00  
 Nominal Diameter: 170mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 3  
 Design Temperature: - 20°C ~ + 150°C  
 Weight: 20.5kg

Temperature range depends on the seal

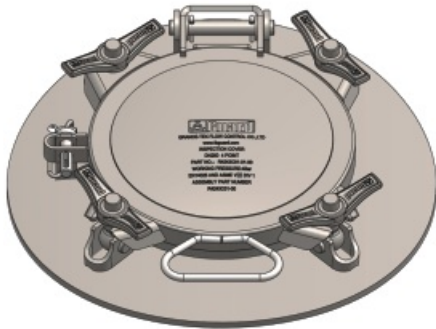
### Fitting Details



### Part Drawing

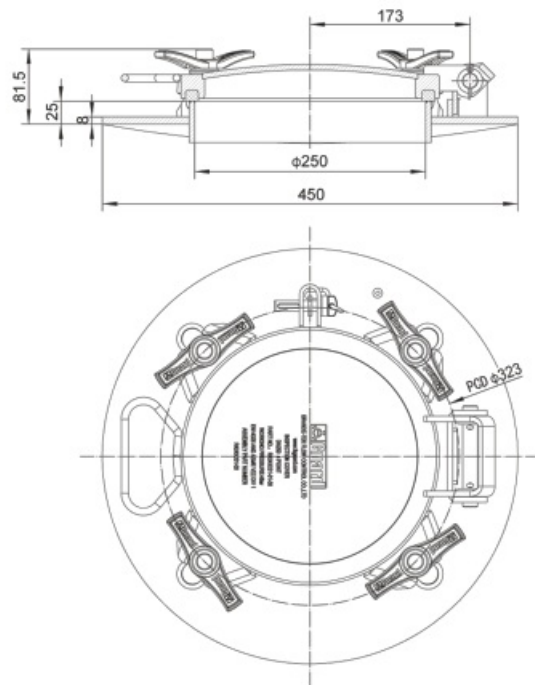


Item	Part No.	Description
1	R4139501-01	Cover
2	见密封件数据表	Seal
3	R4139C04-02-00	Bolt Assembly
4	R4139C04-01-00	Neckring
5	R4583A01-05-01	Nut
	R4583A01-05-02	Sleeve
6	R4139C04-03	Spring
7	R4583A01-07-01	Bolt
8	R4139C04-02-01	Dabber
9	R4139C04-02-02	Bottom Bush
10	R4583A01-12	Gasket
11	859960004*25	Split Pin



DN250 Inspection 4 points, 8mm thickness, 8mm thick flanged low profile is welded and formed. The maximum opening angle of the cover is 135° or 120° . Can be used as injection port. Seal sold separately. Option - swingbolt combinations are available.

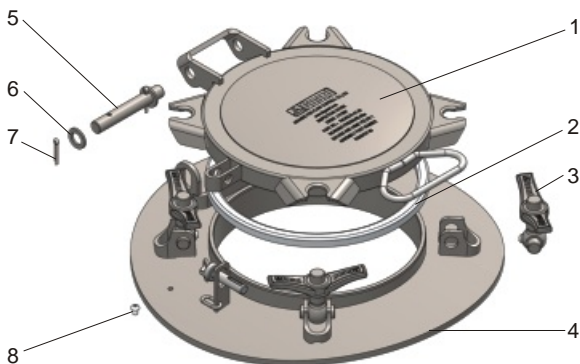
### Fitting Details



Part No.: R4243C01-00  
 Nominal Diameter: 250mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 4  
 Design Temperature: - 40°C ~ +200°C  
 Neckring Weight: 6.5kg  
 Weight: 9.5kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Part Drawing



Item	Part No.	Description
1	R4243C01-01-00	Cover
2	见密封件数据表	Seal
3	R4243C01-03-00	Neckring
4	R4583A01-18-00	Bolt Assembly
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin
8	85988500M6*8	Screw



DN250 Deep Neckring Inspection 4 points, 8mm thickness. The maximum opening angle of the cover is 135° or 120°. Can be used as injection port. Manlid seal sold separately.

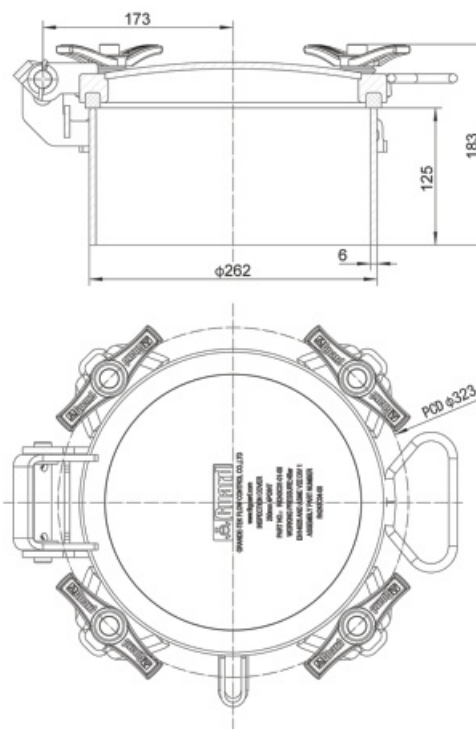
Option - swingbolt combinations are available.



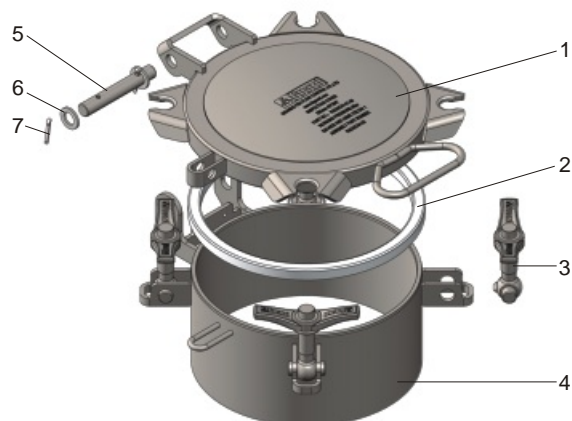
Part No.: R4243C04-00  
 Nominal Diameter: 250mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 4  
 Design Temperature: - 40°C ~ +200°C  
 Weight: 6.5kg  
 Neckring Weight: 6kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Fitting Details



### Part Drawing



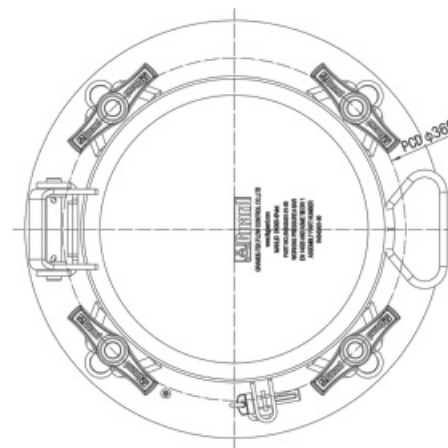
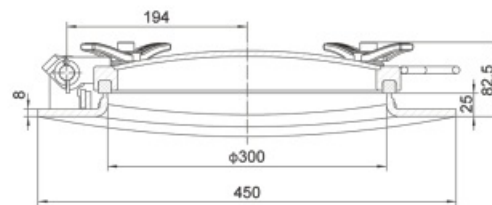
Item	Part No.	Description
1	R4243C01-01-00	DN250 Cover
2	见密封件数据表	Seal
3	R4243C04-01-00	DN250 Neckring
4	R4583A01-09-00	Bolt Assembly
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin



300mm Low Profile Inspection Manlid—4 points, 8mm thickness, Stainless steel swingbolts with stainless steel handnuts or brass handnuts. Manlid seal sold separately.

Option— Different neckring radian, double skin manlid and swingbolt combinations are available.

### Fitting Details

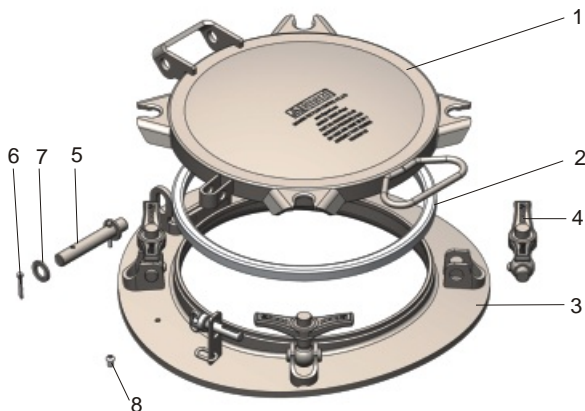


Part No.: R4343A01-00  
 Nominal Diameter: 300mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 4  
 Design Temperature: -40°C~200°C  
 Weight: 7.5kg  
 Neckring Weight: 7kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

图号	翻边弧度	适用罐径范围
R4343A01-00	R1180	R1145~R1270
R4343A02-00	R1110	R1005~R1145

### Part Drawing



Item	Part No.	Description
1	R4343A01-01-00	Manlid
2	见密封件数据表	Seal
3	R4343A01-02-00	Neckring
4	R4583A01-14-00	Swingbolt Assembly
5	859960004*25	Split Pin
6	R4583A01-03	Hinge Pin
7	R4583A01-12	Washer
8	85988500M6*8	Screw



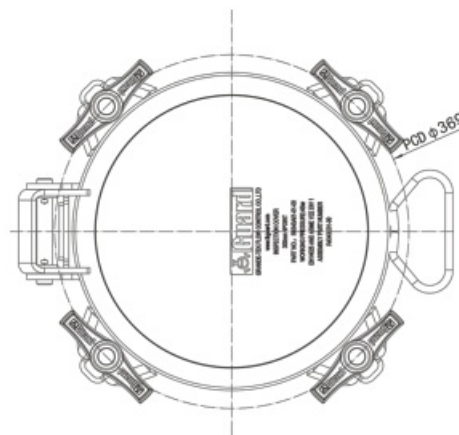
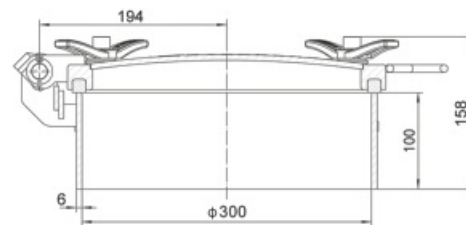
300mm Deep Neckring Inspection — 4 points, 6mm thickness, neckring depths 100 mm. Stainless steel swingbolts with stainless steel handnuts or brass handnuts. Manlid seal sold separately.

Option— Different neckring depths, double skin manlid and swingbolt combinations are available.

Part No.: R4343C01-00  
 Nominal Diameter: 300mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 4  
 Design Temperature: -40°C~200°C  
 Weight: 7.5kg  
 Neckring Weight: 5.5kg

Temperature range depends on the seal

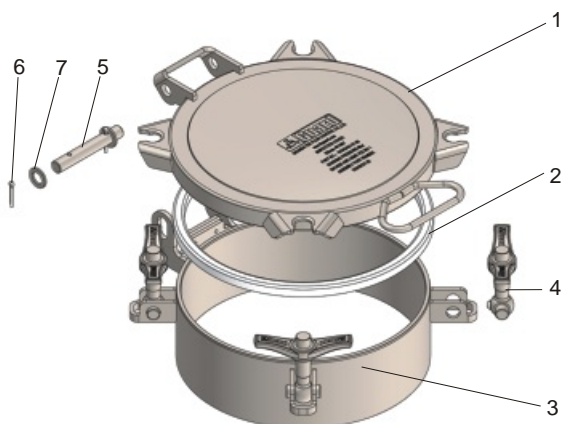
### Fitting Details



### Product

Neckring Height	Part No.
100	R4343C01-00
150	R4343F01-00
200	R4343G01-00

### Part Drawing



Item	Part No.	Description
1	R4343A01-01-00	Manlid
2	见密封件数据表	Seal
3	R4343C01-01-00	Neckring
4	R4583A01-13-00	Swingbolt Assembly
5	859960004*25	Split Pin
6	R4583A01-03	Hinge Pin
7	R4583A01-12	Washer

DN300 double-layer temperature insulation type inspection cover - Double-layer structure of the cover body, filled with insulating material in the chamber, effectively prevents the influence of external temperature on the medium in the tank, improves the quality of tank transportation, and reduces the consumption of items in the process; it is suitable for tanks with a temperature control system, Transport media with special temperature requirements.

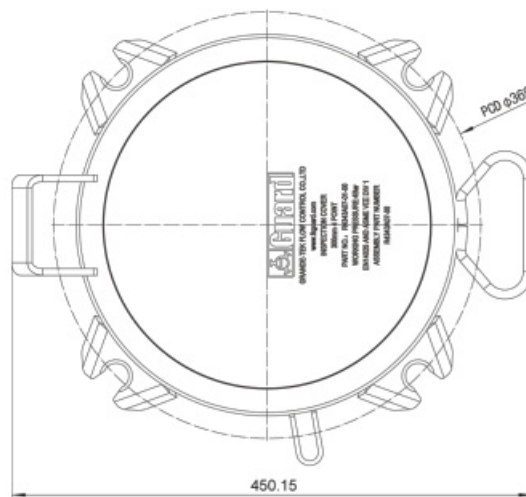
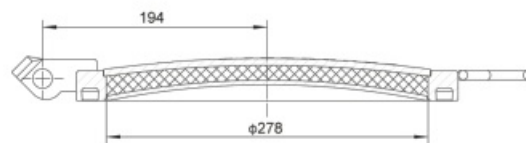
DN500 manlid cover can also be made of double-layer heat insulation structure, the principle is the same.



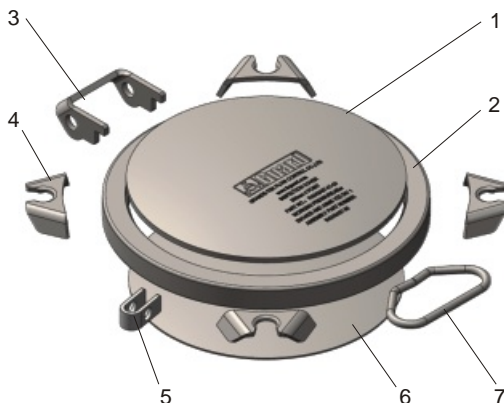
Part No : R4343A07-01-00  
 Nominal Diameter : 300mm  
 Design Pressure : 4Bar(58PSI)  
 Test Pressure : 6Bar(87PSI)  
 Points : 4  
 Design Temperature : - 40°C ~ +200°C  
 Weight: 9kg

Temperature range depends on the seal

Fitting Details



## Part Drawing



Item	Part No.	Description
1	R4343A01-01-01	Plate
2	R4343A07-01-01	Ring
3	R4343A01-01-04	Opening Bracket
4	R4343A01-01-03	Bolt Support
5	R4583A01-01-03	Lock Part
6	R4343A07-01-02	Plate
7	R4583A01-24	Handle



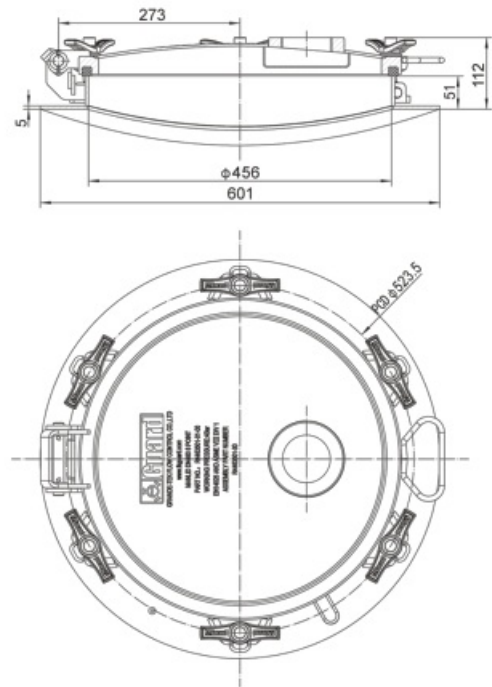
Part No.: R4463501-00  
 Nominal Diameter: 460mm  
 Test Pressure: 4Bar(58PSI)  
 Points: 6  
 Design Temperature: - 40°C ~ + 200°C  
 Weight: 13.5kg  
 Neckring Weight: 9.5kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

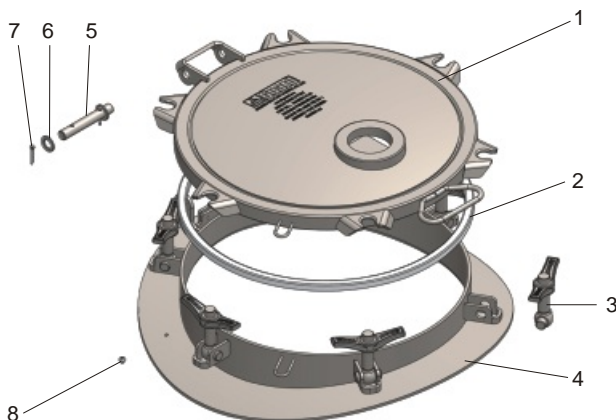
DN460 High Profile Manlid Assembly - while the height of the neckring is increased to 51mm, it is guaranteed that the assembly can withstand the pressure strength of 4Bar. The neckring can be welded or integrally stamped according to demand.

Standard brass ingot nut.

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	R4463501-01-00	DN460 Cover
2	见密封件数据表	Seal
3	R4583A01-13-00	Bolt Assembly
4	R4463501-02-00	DN460 Neckring
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin
8	85988500M5*5	Screw



Part No.: R4463F01-00  
 Nominal Diameter: 456mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 8  
 Design Temperature: - 40°C ~ + 200°C  
 Weight: 13kg  
 Neckring Weight: 15kg

Temperature range depends on the seal

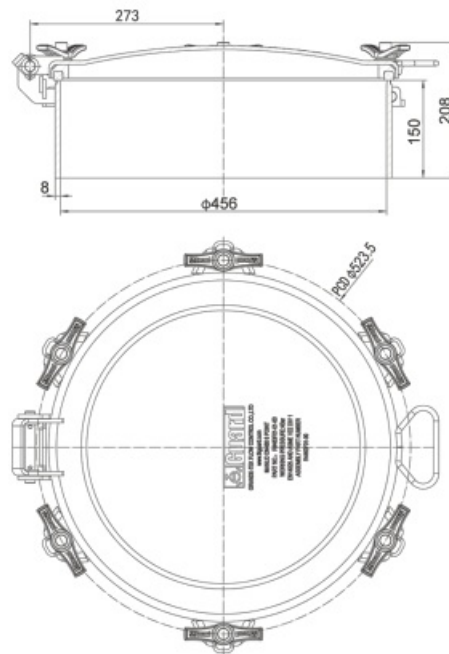
Optional - Pressure 1Bar, 3Bar, 4Bar and other specifications to choose;

Optional - Deep neckring height 120mm, 150mm and other dimensions can be customized;

Stainless steel swingbolts with stainless steel handnuts.

Manlid seal sold separately.

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	R4463F01-01-00	DN460 Cover
2	见密封件数据表	Seal
3	R4463F01-02-00	Dn460 Neckring
4	R4583A01-13-00	Bolt Assembly
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin



DN460 Swing Manlid Assembly with Flat Cover - 4 points.  
The 12mm thick aluminum alloy neckring is welded and formed.

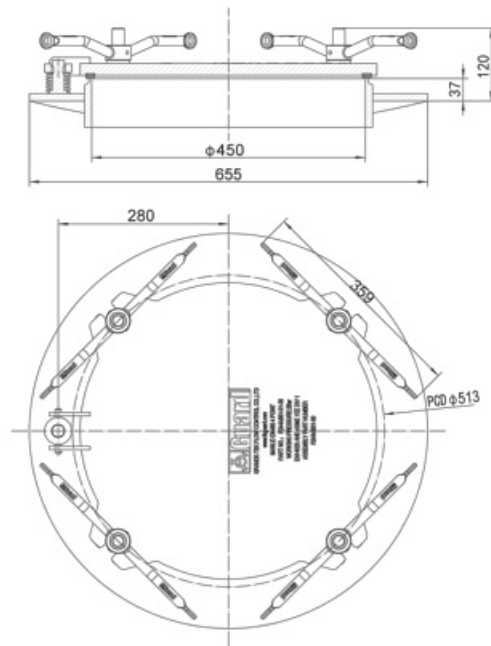
Standard configuration of 4 pieces M20 long handle bolt assemblies, which can be locked and loosened without tools. Provides two opening methods of horizontal rotation and vertical flipping

Seal sold separately.

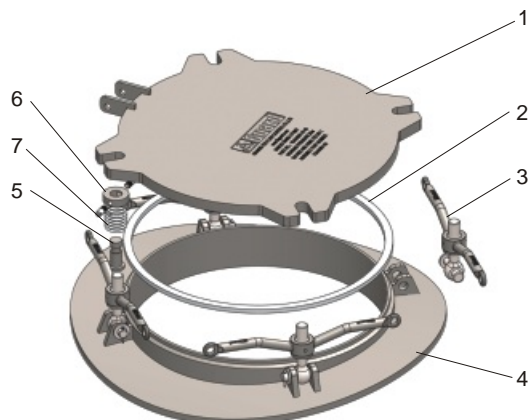
Part No.: R244AB01-00  
Nominal Diameter : 450mm  
Design Pressure : 2Bar(29PSI)  
Test Pressure : 3Bar(43PSI)  
Points : 4  
Material: 铝合金  
Design Temperature : - 40°C ~ + 200°C  
Weight: 11kg  
Neckring Weight: 9kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

### Fitting Details



### Part Drawing



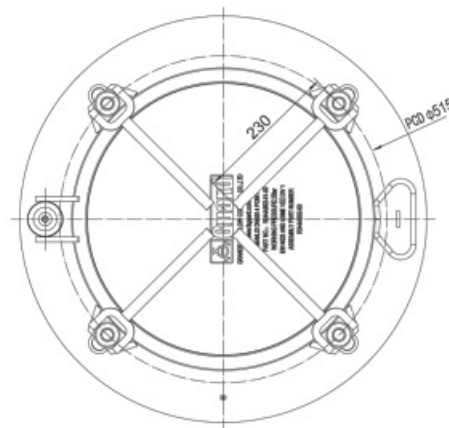
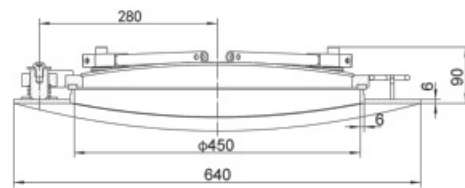
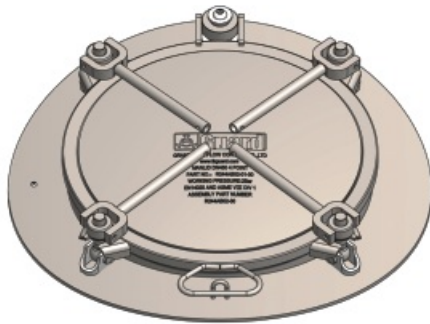
Item	Part No.	Description
1	R244AB01-01-00	DN460 Cover
2	见密封件数据表	Seal
3	LS193G01-00	Bolt Assembly
4	R244AB01-02-00	Neckring
5	8598630110*26	Pin
6	R244AB01-03	Bearing
7	R244AB01-04	Spring

DN460 Swing Manlid Assembly with Convex Cover - 4 points. 6mm thick aluminum alloy neckring. Main material is stainless steel or carbon steel.

Standard configuration of 4 pieces M18 long wrench bolt assemblies, which can be locked and loosened without tools.

The cover body is stamped and welded. Provides two opening methods of horizontal rotation and vertical flipping. Wide range of applications.

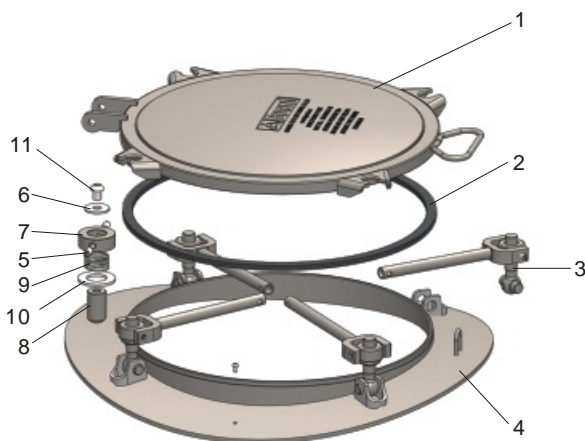
### Fitting Details



- Part No.: R244AB02-00
- Nominal Diameter: 450mm
- Design Pressure: 2Bar(29PSI)
- Test Pressure: 3Bar(43PSI)
- Points: 4
- Design Temperature: - 40°C ~ +200°C
- Weight: 11kg
- Neckring Weight: 10.5kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

### Part Drawing



Item	Part No.	Description
1	R244AB02-01-00	DN460 Cover
2	见密封件数据表	Seal
3	RL187801-00	Bolt Assembly
4	R244AB02-02-00	DN460 Neckring
5	85988500M12*16	Screw
6	8598160012	Gasket
7	R244AB02-03-02	Bearing
8	8598630110*20	Pin
9	R244AB02-03-01	Spring
10	8598100030	Gasket
11	85988500M5*5	Screw





Part No.: R3563A01-00  
 Nominal Diameter : 500mm  
 Design Pressure: 3Bar(43PSI)  
 Test Pressure : 4.5Bar(65PSI)  
 Points : 6  
 Design Temperature : - 40°C ~ + 200°C  
 Weight: 16kg  
 Neckring Weight: 15kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Product

翻边弧度	适用范围
R1040	R1005-R1075
R1110	R1075-R1145
R1180	R1145-R1221
R1260	R1221-R1305
R3600	R3260-R4020

DN500 Low Profile Manlid Assembly -3Bar - 6 points. 8mm thick low profile neckring

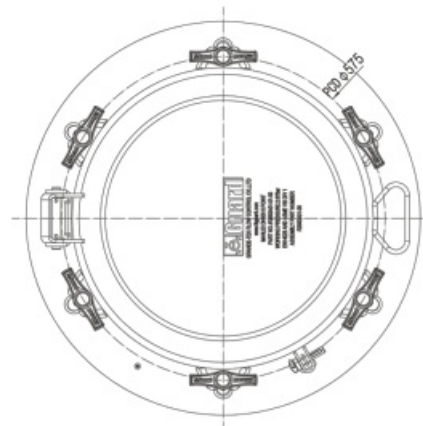
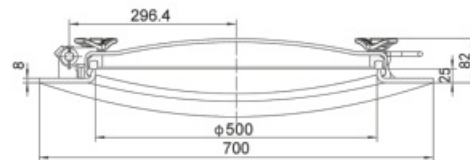
is stamped and formed in one piece. Various radii and sizes are available.

Stainless steel swing bolt with stainless steel nut. With custom lead seals, seal sold separately.

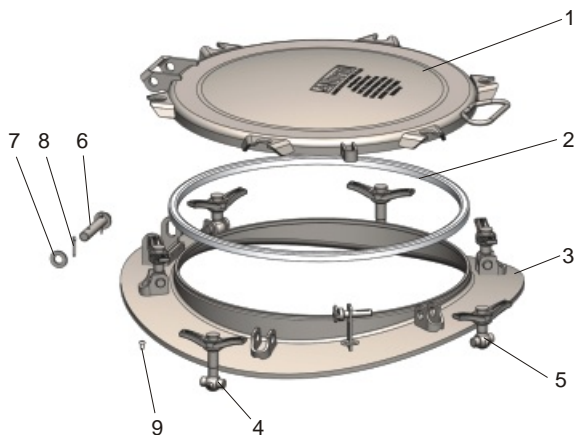
The low profile saves space and is suitable for tank containers below T10.

Option-The cover body can choose double-layer insulation structure, and the maximum opening angle is standard 135° and optional 120° .

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	R3563A01-01-00	DN500 Cover
2	见密封件数据表	Seal
3	R3563A03-01-00	DN500 Neckring
4	RL186302-00	Bolt Assembly
5	RL189402-00	Bolt Assembly
6	R4583A01-03	Hinge Pin
7	R4583A01-12	Gasket
8	859960004*25	Split Pin
9	85988500M6*8	Screw



DN500 Low Profile Manlid Assembly- 8 points. 8mm thick low profile neckring is stamped and formed in one piece. Various radians and sizes are available.

Stainless steel swing bolt with stainless steel nut. With customs lead seals, seal sold separately.

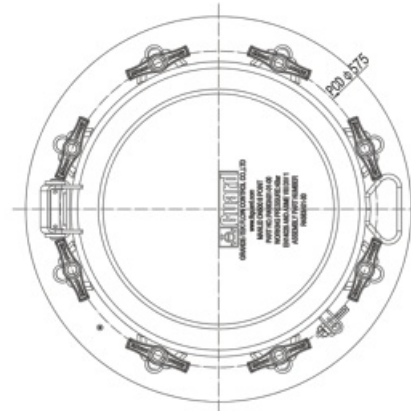
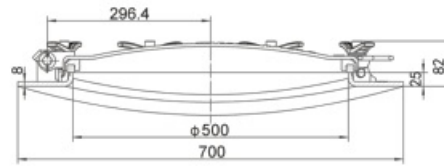
The low profile saves space and is suitable for tank containers below T14.

Option-The cover body can choose double-layer insulation structure, and the maximum opening angle is standard 135° and optional 120° .

- Part No.: R4583A01-00
- Nominal Diameter: 500mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 8
- Design Temperature: -40°C~200°C
- Weight: 16kg
- Neckring Weight: 15kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

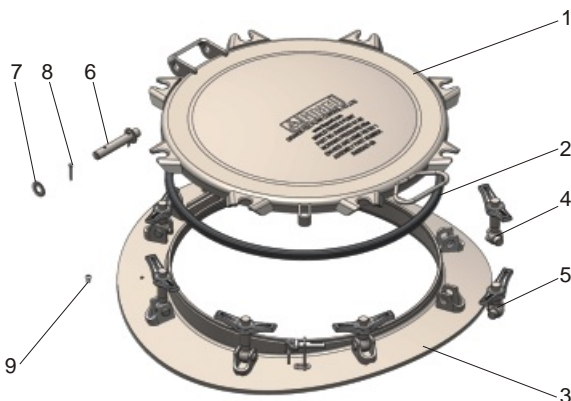
### Fitting Details



### Product

翻边弧度	适用范围
R1040	R1005-R1075
R1110	R1075-R1145
R1180	R1145-R1221
R1260	R1221-R1305
R3600	R3260-R4020

### Part Drawing



Item	Part No.	Description
1	R4583A01-01-00	DN500人 Cover
2	见密封件数据表	Seal
3	R4583A01-02-00	DN500 Neckring
4	R4583A01-13-00	Bolt Assembly
5	R4583A01-14-00	Bolt Assembly
6	R4583A01-03	Hinge Pin
7	R4583A01-12	Gasket
8	859960004*25	Split Pin
9	85988500M6*8	Screw



DN500 Low Profile Manlid Assembly -6.9Bar - 10 points. 8mm thick low profile neckring is stamped and formed in one piece. Various radians and sizes are available.

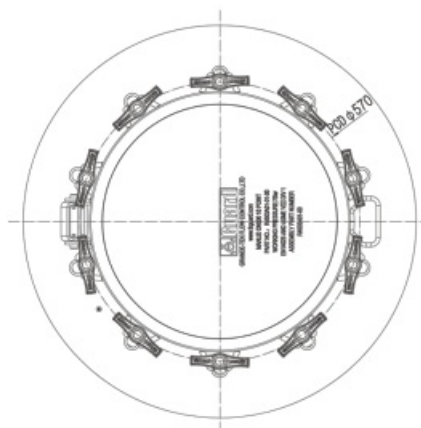
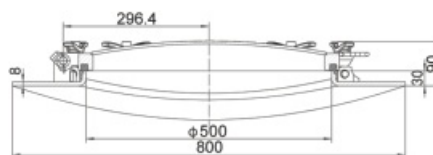
Stainless steel swing bolt with stainless steel nut. With customs lead seals, seal sold separately.

The low profile saves space and is suitable for tank containers below T20.

Option-The cover body can choose double-layer insulation structure, and the maximum opening angle is standard 135° and optional 120° .

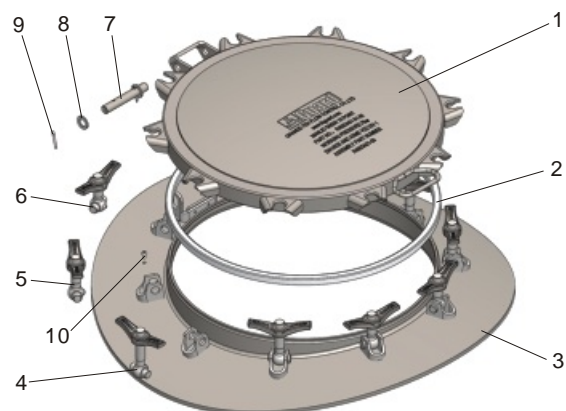
- Part No.: R4503A01-00
- Nominal Diameter: 500mm
- Design Pressure: 6.9Bar(100PSI)
- Test Pressure: 8.96Bar(130PSI)
- Points: 10
- Design Temperature: - 40°C ~ + 200°C
- Weight: 20.5kg
- Neckring Weight: 23.5kg

### Fitting Details



Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

### Part Drawing



Item	Part No.	Description
1	R4503A01-01-00	DN500 Cover
2	见密封件数据表	Seal
3	R4503A01-02-00	Neckring
4	R4503A01-03-00	Bolt Assembly
5	R4583A01-11-00	Bolt Assembly
6	RL186601-00	Bolt Assembly
7	R4503A01-04	Hinge Pin
8	R4583A01-12	Gasket
9	859960004*25	Split Pin
10	85988500M6*8	Screw

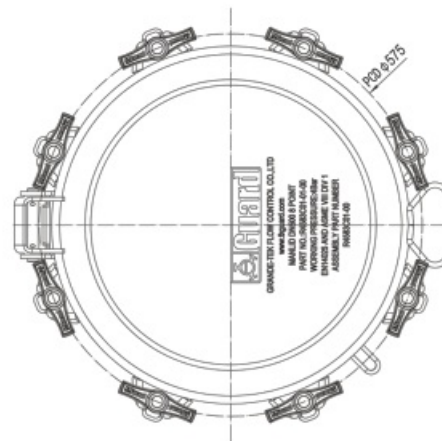
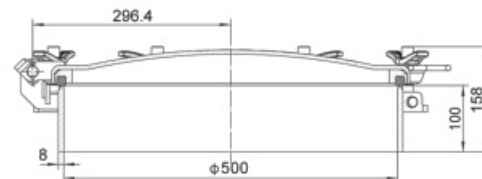
DN500 Deep Neckring Manlid Assembly - 8 points. 8mm thick deep neckring is stamped and formed. Various height are available.

Stainless steel swing bolt with stainless steel nut or brass handnuts. With customs lead seals, seal sold separately. Suitable for tank containers below T14. According to the requirements of the tank strength level, the thickness of the neckring is 6mm.

Option-The cover body can choose double-layer insulation structure, and the maximum opening angle is standard 135° and optional 120° .



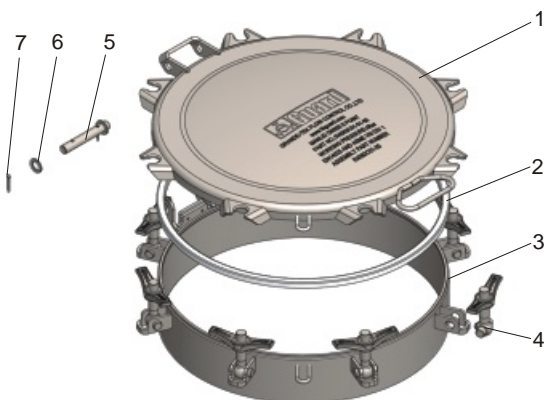
Fitting Details



- Part No.: R4583C01-00
- Nominal Diameter: 500mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 8
- Design Temperature: -40°C~200°C
- Weight: 16kg
- Neckring Weight: 11.5kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

## Part Drawing



Item	Part No.	Description
1	R4583C01-01-00	DN500 Cover
2	见密封件数据表	Seal
3	R4583C01-02-00	DN500 Neckring
4	R4583A01-13-00	Bolt Assembly
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin

DN500 High Profile Manlid Assembly - 6 points. 8mm thick high profile neckring is stamped and formed in one piece. Various radii and sizes are available.

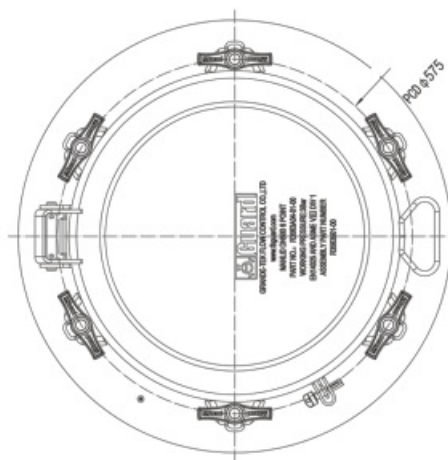
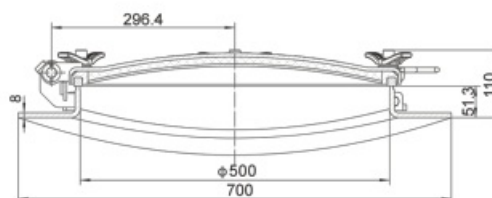
Stainless steel swing bolt with stainless steel nut. With custom lead seals, seal sold separately.

Option-The cover body has single-layer cover and double-layer cover structure optional, and the maximum opening angle is standard 135° and optional 120° .

Option - 8-point manlid assembly, test pressure 6Bar.



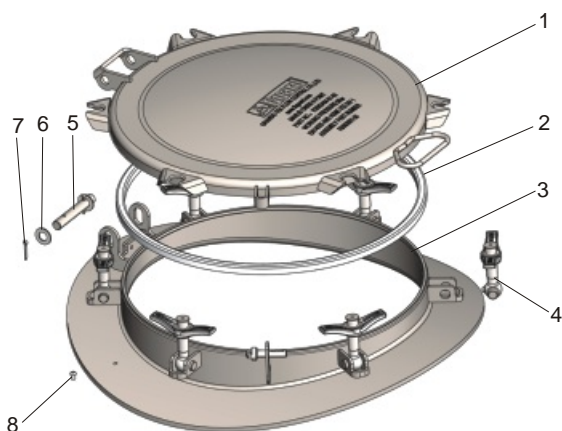
Fitting Details



- Part No.: R3563501-00
- Nominal Diameter: 500mm
- Design Pressure: 3Bar(43PSI)
- Test Pressure: 4.5Bar(65PSI)
- Points: 6
- Design Temperature: - 40°C ~ + 200°C
- Weight: 16kg
- Neckring Weight: 18.5kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

## Part Drawing



Item	Part No.	Description
1	R3563A04-01-00	DN460 Cover
2	见密封件数据表	Seal
3	R3563501-02-00	DN500 Neckring
4	R4583A01-13-00	Bolt Assembly
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin
8	85988500M6*8	Screw

DN500 Manlid Assembly With DN170 Inspection - 8 points. Manlid cover with DN170 inspection and safety valve interface. Various heights are available.

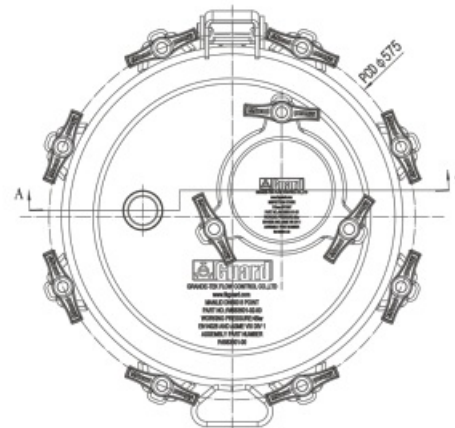
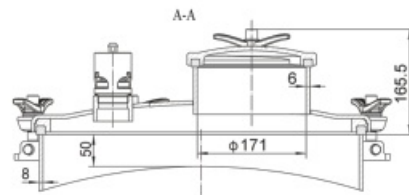
The arc of the straight cylinder is customized according to the size of the tank. Stainless steel swing bolt with stainless steel nut. Seal sold separately.

Option-With low profile neckring. According to the requirements of the tank strength level, the thickness of the neckring is 6mm.

Option-The maximum opening angle is standard 135° and optional 120° .



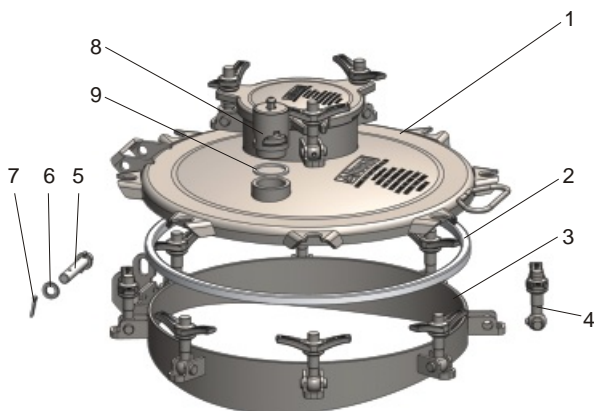
Fitting Details



- Part No.: R4583501-00
- Nominal Diameter: 500mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 8
- Design Temperature: -40°C ~ 150°C
- Weight: 23.5kg
- Neckring Weight: 6.5kg

Temperature range depends on the seal

## Part Drawing



Item	Part No.	Description
1	R4583501-02-00	DN500 Cover
2	见密封件数据表	Seal
3	R4583501-03-00	DN500 Neckring
4	R4583A01-13-00	Bolt Assembly
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin
8	AMB44001-00	Safety Valve
9	见密封件数据表	Seal

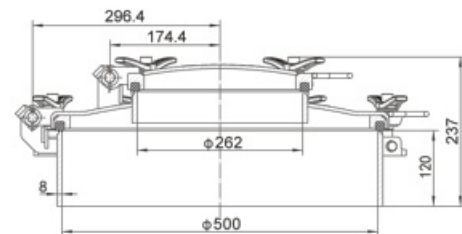
DN500 Manlid Assembly With DN260 Inspection - 8 points. Manlid cover with DN260 inspection. Various heights are available.

Stainless steel swing bolt with stainless steel nut. With custom lead seals, seal sold separately.

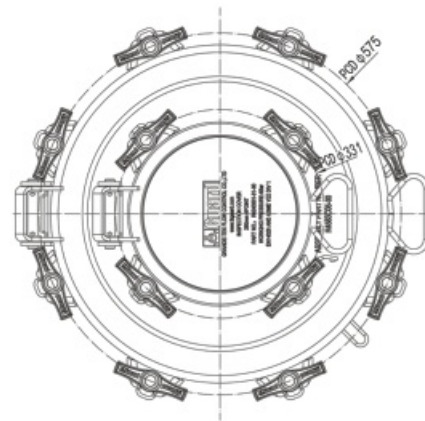
Option-With low profile neckring. According to the requirements of the tank strength level, the thickness of the neckring is 6mm.

Option-The maximum opening angle is standard 135° and optional 120° .

### Fitting Details

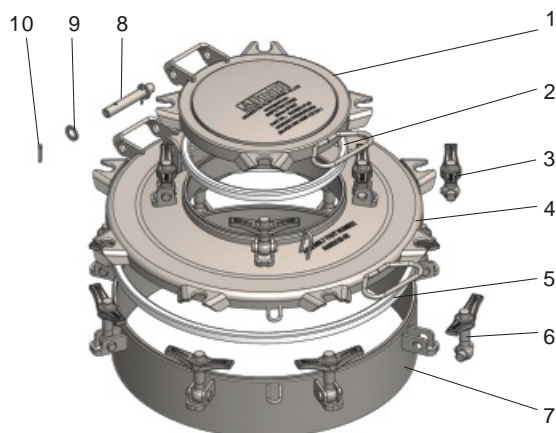


Part No.: R4583C05-00  
 Nominal Diameter: 500mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 8  
 Design Temperature: - 40°C ~ + 200°C  
 Weight: 25kg  
 Neckring Weight: 13kg



Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Part Drawing



Item	Part No.	Description
1	R4243C01-01-00	DN260 Cover
2	见密封件数据表	Seal
3	R4583A01-14-00	Bolt Assembly
4	R4583C05-01-00	DN500 Cover
5	见密封件数据表	Seal
6	R4583A01-13-00	Bolt Assembly
7	R4583C04-01-00	DN500 Neckring
8	R4583A01-03	Hinge Pin
9	R4583A01-12	Gasket
10	859960004*25	Split Pin

DN500 Manlid Assembly With DN300 Inspection - 8 points. Manlid cover with DN300 inspection. Various heights are available.

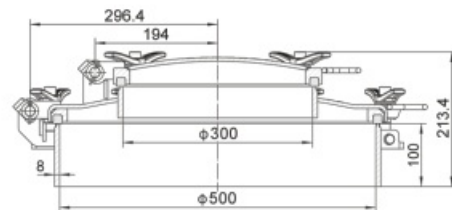
Stainless steel swing bolt with stainless steel nut. With customs lead seals, seal sold separately.

Option-With low profile neckring. According to the requirements of the tank strength level, the thickness of the neckring is 6mm.

Option-The maximum opening angle is standard 135° and optional 120° .

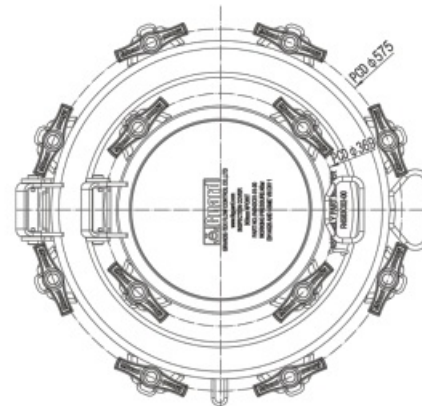


Fitting Details

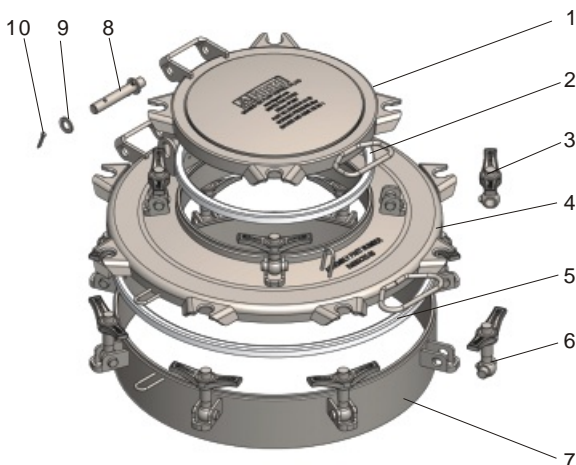


Part No.: R4583C02-00  
 Nominal Diameter : 500mm  
 Design Pressure : 4Bar(58PSI)  
 Test Pressure : 6Bar(87PSI)  
 Points : 8  
 Design Temperature : - 40°C ~ +200°C  
 Weight: 25.5kg  
 Neckring Weight: 11.5kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.



## Part Drawing



Item	Part No.	Description
1	R4343C01-01-00	DN300 Cover
2	见密封件数据表	Seal
3	R4583A01-14-00	Bolt Assembly
4	R4583C02-01-00	DN500 Cover
5	见密封件数据表	Seal
6	R4583A01-13-00	Bolt Assembly
7	R4583C01-02-00	DN500 Neckring
8	R4583A01-03	Hinge Pin
9	R4583A01-12	Gasket
10	859960004*25	Split Pin



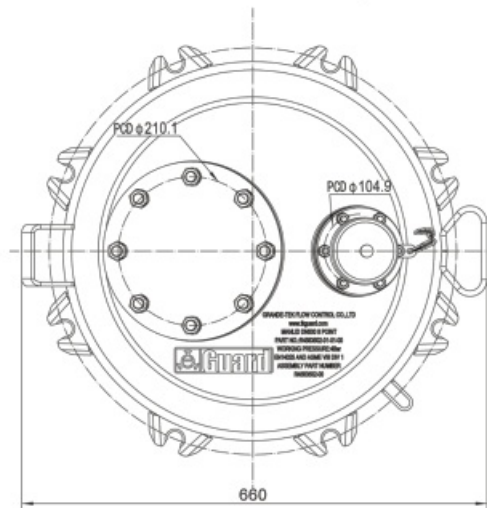
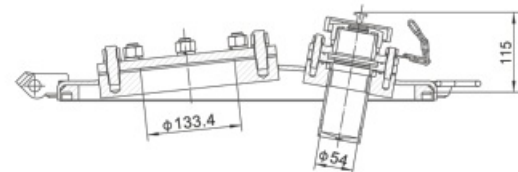
DN500 Hydrogen Peroxide Manlid Assembly -8 point.

Manlid cover with welded flange and breathing valve interface. Customized according to the characteristics of hydrogen peroxide medium.

Cover body adapt Guard DN500 flanged neckring and deep neckring. Stainless steel swing bolt with stainless steel nut. With customs lead seals, seal sold separately.

Option-The maximum opening angle is standard 135° and optional 120° .

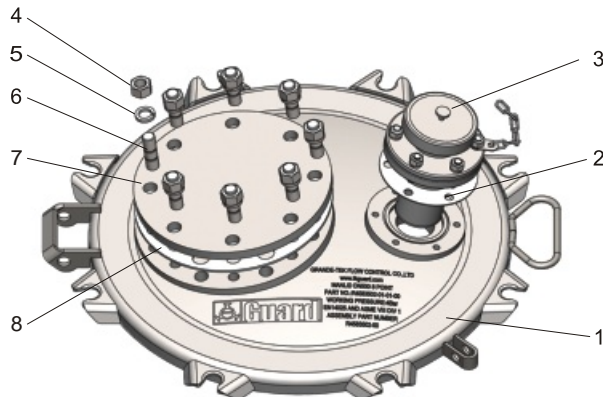
### Fitting Details



Part No. : R4583502-01-01-00  
 Nominal Diameter : 500mm  
 Design Pressure : 4Bar(58PSI)  
 Test Pressure : 6Bar(87PSI)  
 Points : 8  
 Design Temperature : - 40°C ~ + 200°C  
 Weight: 26kg

Temperature range depends on the seal

### Part Drawing



Item	Part No.	Description
1	R4583502-01-01-01-00	DN500 Cover
2	18500001-07	Seal
3	R4583502-01-01-04	Breather Valve
4	85984400M10	Bolt Assembly
5	8598110010	Gasket
6	85987100M10*25	Bolt
7	R4583502-01-01-02	Blind Flange
8	R4583502-01-01-03	Seal

DN500 Bitumen Manlid Assembly-6 points. The main material is carbon steel

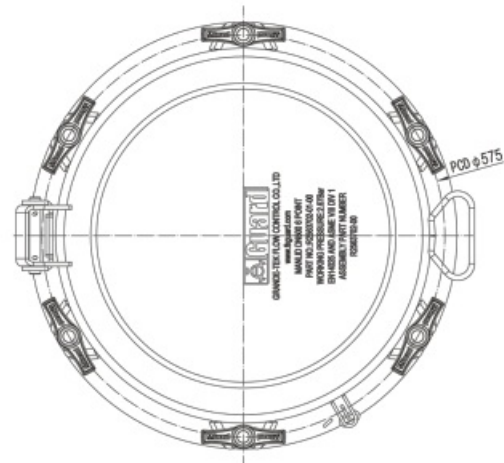
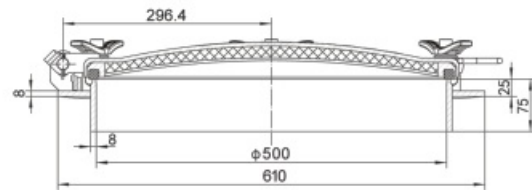
The cover is a double-layer temperature insulation structure, and the neckring is a straight barrel weld flanging reinforcing ring structure, customized according to the characteristics of asphalt medium.

Stainless steel swing bolt with stainless steel nut. With customs lead seals, seal sold separately.

Option-The maximum opening angle is standard 135° and optional 120° .



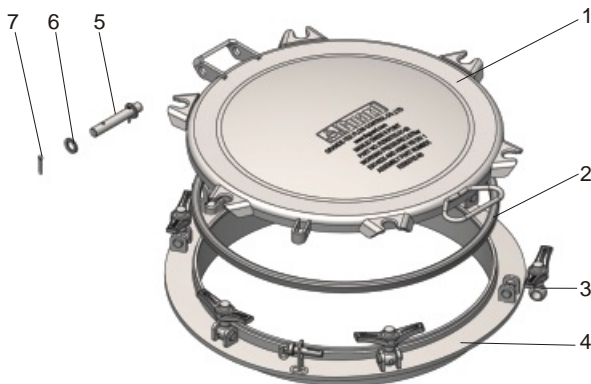
Fitting Details



- Part No.: R2563702-00
- Nominal Diameter: 500mm
- Design Pressure: 2.67Bar
- Test Pressure: 4Bar
- Points: 6
- Design Temperature: -40°C ~ 250°C
- Weight: 16kg
- Neckring Weight: 14kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

## Part Drawing



Item	Part No.	Description
1	R2563702-01-00	DN500 Cover
2	见密封件数据表	Seal
3	R4583A01-07-00	Bolt Assembly
4	R2563702-02-00	DN500 Neckring
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin

DN500 Manlid Assembly With Rupture Disc Holder -8 point.

Manlid cover with 10 "bursting disc mounting flange. Sunken structure saves space; The top dust cover will not be separated from the cover body after popping open to improve the overall safety; Bottom anti-impact device. Used for storage and transportation of hydrogen peroxide and other media.

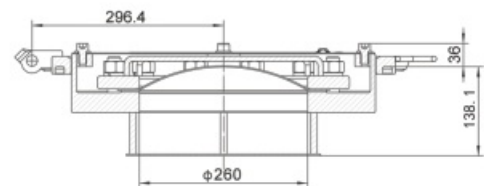
Cover body suitable for Guard DN500 low profile neckring and deep neckring.

Stainless steel swing bolt with stainless steel nut. With customs lead seals, seal sold separately.

Option-The maximum opening angle is standard 135° and optional 120° .



Fitting Details

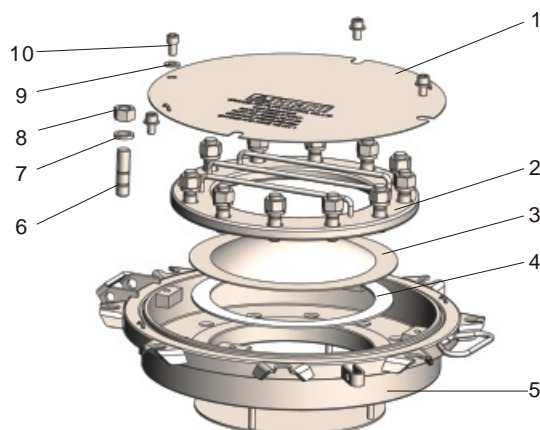


Part No.: R4583A75-01-00  
 Nominal Diameter : 500mm  
 Design Pressure : 4Bar(58PSI)  
 Test Pressure : 6Bar(87PSI)  
 Points : 8  
 Design Temperature : - 40°C ~ + 200°C  
 Weight: 63kg



Temperature range depends on the seal

## Part Drawing



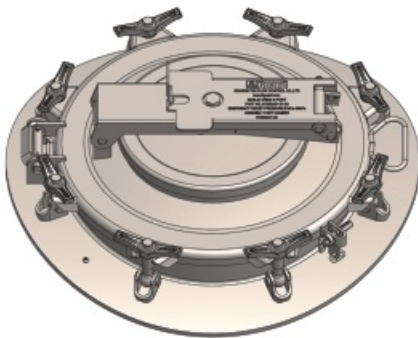
Item	Part No.	Description
1	R4583A75-01-03-00	Dust Cover
2	R4583A75-01-02-00	Bursting Disc Plate
3	B250060001	Bursting Disc
4	LS201G0102	PTFE Gasket
5	R4583A75-01-01-00	DN500 Cover Body
6	85996900M20*55	Bolt
7	8599110020	Spring Washer
8	85994400M20	Nut
9	85988100M12*20	Screw
10	8598100012	Washer

DN500 Manlid Assembly with Emergency Drain Device-8 points. The emergency drain device is installed on the manlid cover. When the pressure in the tank is 21kPa~35kPa, the emergency drain device is started to balance the internal and external pressure of the tank and ensure that the tank body is in a safe pressure state.

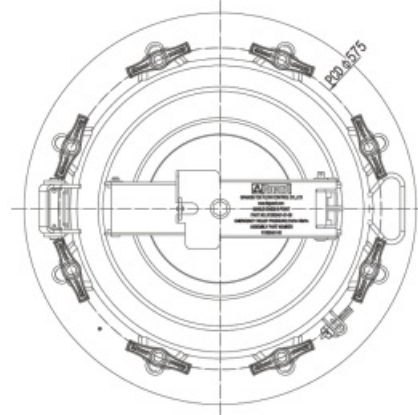
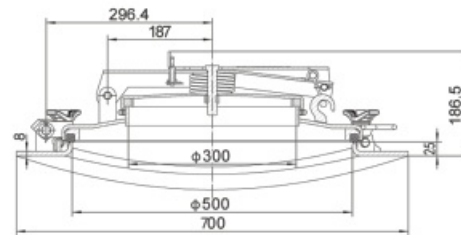
Cover body suitable for Guard DN500 low profile neckring and deep neckring.

Stainless steel swing bolt with stainless steel nut. With customs lead seals, seal sold separately.

Option-The maximum opening angle is standard 135° and optional 120°.



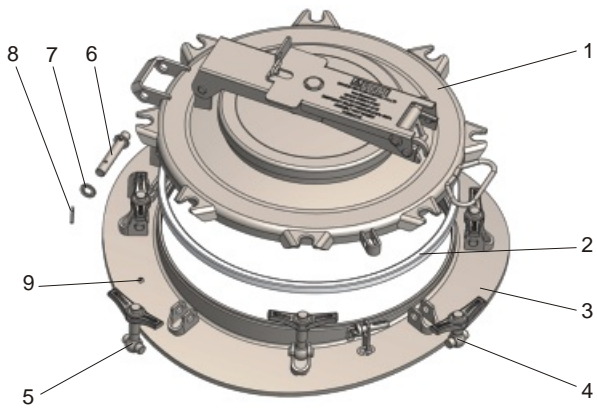
Fitting Details



- Part No.: R1583A01-00
- Nominal Diameter: 500mm
- Nominal Pressure: 4Bar(58PSI)
- Points: 8
- Design Temperature: - 40°C ~ + 200°C
- Weight: 24.5kg
- Weight: 15kg

Temperature range depends on the seal

Part Drawing



Item	Part No.	Description
1	R1583A01-01-00	DN500 Cover
2	见密封件数据表	Seal
3	R4583A09-01-00	DN500 Neckring
4	R4583A01-10-00	Bolt Assembly
5	R4583A09-02-00	Bolt Assembly
6	R4583A01-03	Hinge Pin
7	R4583A01-12	Gasket
8	859960004*25	Split Pin
9	85988500M6*8	Screw

DN500 Welded Flange Deep Neckring Assembly-8 Points. The flange is welded inside the assembly. The flange is used to install the charging valve and other valve parts. Double safety seal.

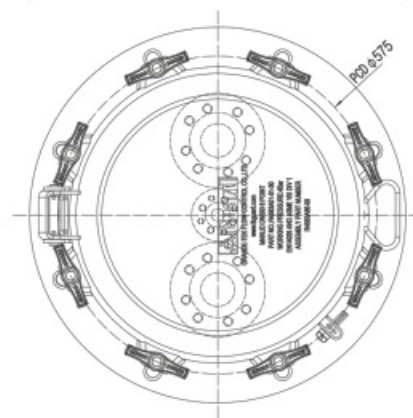
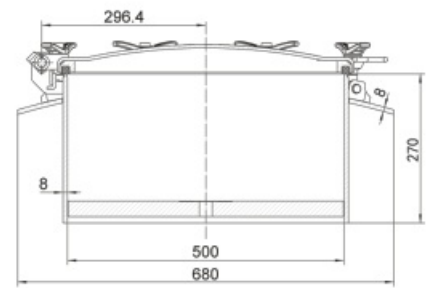
Internal welded flange neckring are available with variety Guard DN500 manlid covers.

Stainless steel swing bolt with stainless steel nut or brass handnuts. With customs lead seals, seal sold separately.

Option-The maximum opening angle is standard 135° and optional 120° .



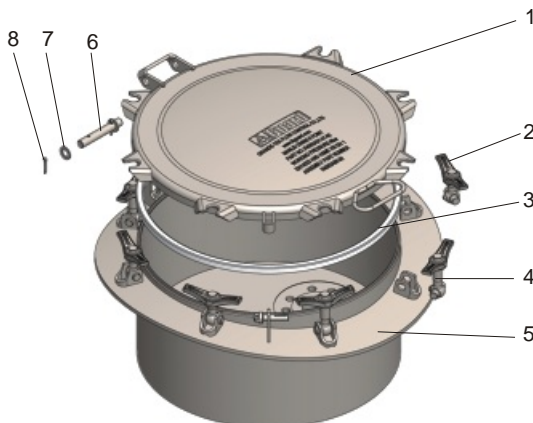
Fitting Details



Part No.: R4583A86-00  
 Nominal Diameter: 500mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 8  
 Design Temperature: - 40°C ~ + 200°C  
 Weight: 104kg

Temperature range depends on the seal

## Part Drawing



Item	Part No.	Description
1	R4583A01-01-00	DN500 Cover
2	R4583A01-14-00	Bolt Assembly
3	见密封件数据表	Seal
4	R4583A01-13-00	Bolt Assembly
5	R4583A86-01-00	DN500 Neckring
6	R4583A01-03	Hinge Pin
7	R4583A01-12	Gasket
8	859960004*25	Split Pin

## DN500 Polished Manlid Assembly-8 Points.

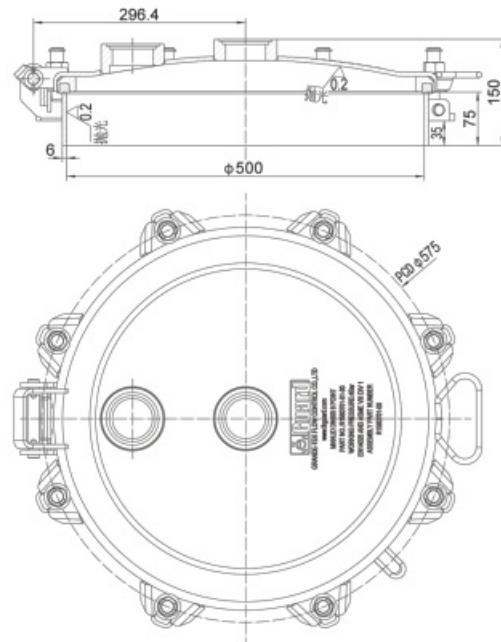
All the parts inside the manlid component that come into contact with the medium are mirror-polished, suitable for storing and transporting food-grade or other media with special requirements. The polished inner wall ensures the purity of the medium, reduces residual medium on the inner wall, and facilitates cleaning.

Stainless steel swing bolt with and hexagonal nuts. With customs lead seals, seal sold separately.

Option - Manlid blind cover, without threaded seat

Option-The maximum opening angle is standard 135° and optional 120° .

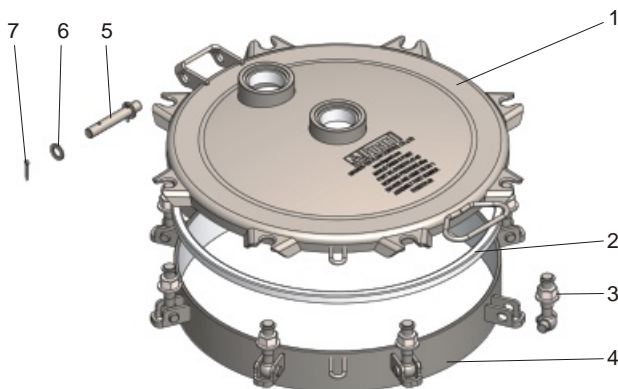
### Fitting Details



- Part No.: R1583701-00
- Nominal Diameter: 500mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 8
- Design Temperature: - 40°C ~ + 200°C
- Weight: 19kg
- Neckring Weight: 7kg

Temperature range depends on the seal

### Part Drawing



Item	Part No.	Description
1	R1583701-01-00	DN500 Cover
2	见密封件数据表	Seal
3	RL188701-00	Bolt Assembly
4	R1583702-02-00	DN500 Neckring
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin

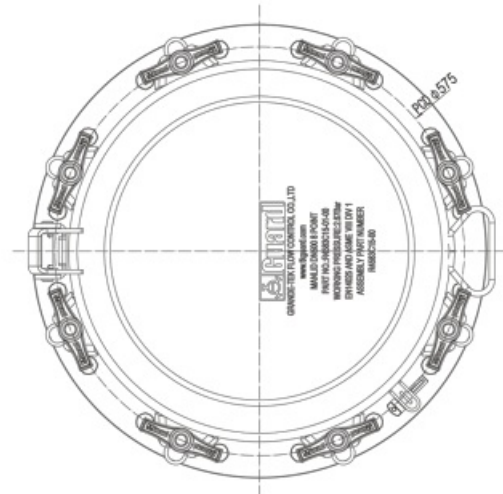
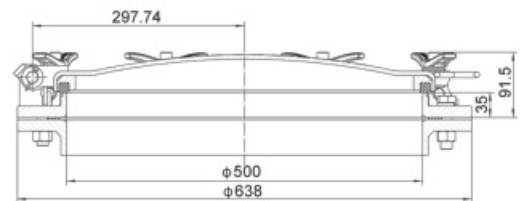
DN500 Flange Mounting Manlid Assembly - 8 Points. The manlid neckring is bolted to the tank body via a welded flange; the neckring is forged integrally, with low overall height and high strength.

Stainless steel swing bolt with stainless steel nut or brass handnuts. With customs lead seals, seal sold separately.

Option- Full lining with Halar (R4583C16-00).

Option-The maximum opening angle is standard 135° and optional 120° .

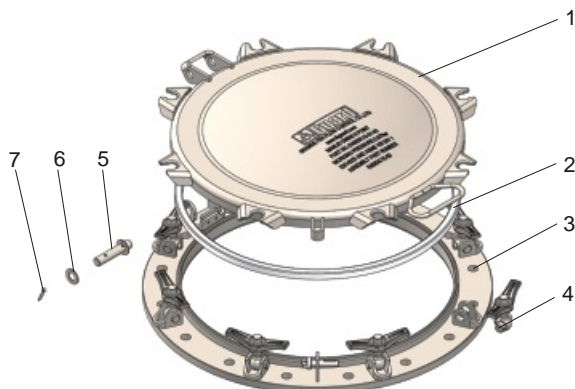
### Fitting Details



- Part No.: R4583C15-00
- Nominal Diameter: 500mm
- Design Pressure: 2.67Bar(38PSI)
- Test Pressure: 4Bar(58PSI)
- Points: 8
- Design Temperature: - 40°C ~ + 200°C
- Weight: 16kg
- Neckring Weight: 17.5kg

Temperature range depends on the seal

### Part Drawing



Item	Part No.	Description
1	R4583C15-01-00	DN500 Cover
2	见密封件数据表	Seal
3	R4583C15-02-00	DN500 Neckring
4	RL165801-00	Bolt Assembly
5	R4583C15-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin

DN600 Deep Neckring Manlid Assembly -10 Points. 8mm thick deep neckring is stamped and formed. Various height are available.

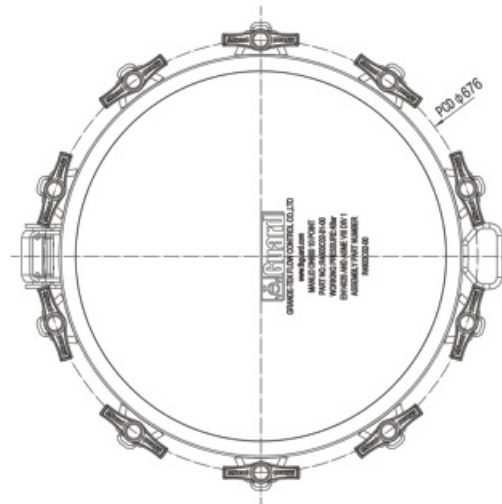
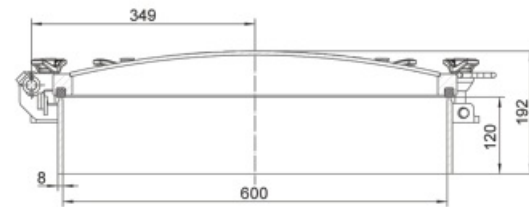
Stainless steel swing bolt with stainless steel nut or brass handnuts.

With customs lead seals, seal sold separately.

Option-The cover body can choose double-layer insulation structure, and the maximum opening angle is standard 135° and optional 120° .



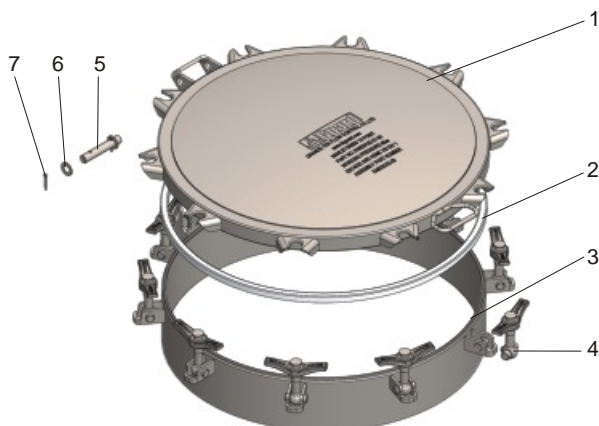
Fitting Details



- Part No.: R4603C02-00
- Nominal Diameter: 600mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 10
- Design Temperature: - 40°C ~ + 200°C
- Weight: 26.5kg
- Neckring Weight: 16kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

## Part Drawing



Item	Part No.	Description
1	R4603C02-01-00	DN600 Cover
2	见密封件数据表	Seal
3	R4603C02-02-00	DN600 Neckring
4	R4583A01-13-00	Bolt Assembly
5	R4583A01-03	Hinge Pin
6	R4583A01-12	Gasket
7	859960004*25	Split Pin



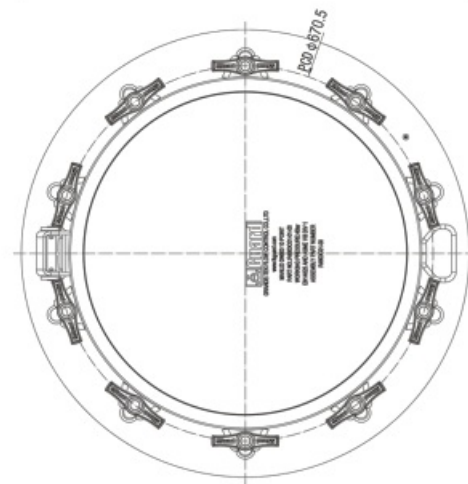
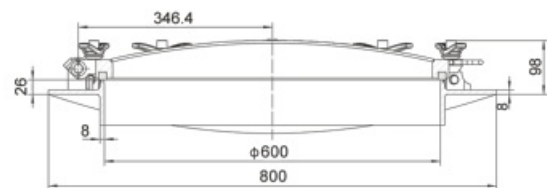
DN600 Low Profile Manlid Assembly -10 points. 8mm thick low profile neckring welded. Various radians and sizes are available.

Stainless steel swing bolt with stainless steel nut or brass handnuts. Seal sold separately.

The low profile saves space.

Option-The cover body can choose double-layer insulation structure, and the maximum opening angle is standard 135° and optional 120° .

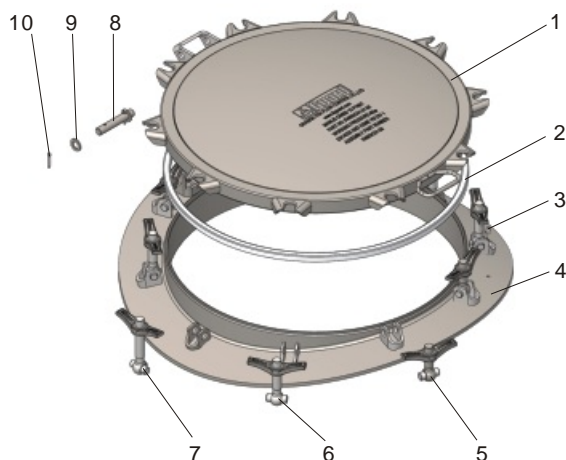
### Fitting Details



- Part No.: R4603C01-00
- Nominal Diameter: 600mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 10
- Design Temperature: - 40°C ~ + 200°C
- Weight: 26.5kg
- Neckring Weight: 25kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

### Part Drawing



Item	Part No.	Description
1	R4603C01-01-00	DN600 Cover
2	见密封件数据表	Seal
3	85988500M6*8	Screw
4	R4603C01-02-00	DN600 Neckring
5	RL187003-00	Bolt Assembly
6	RL189601-00	Bolt Assembly
7	RL181203-00	Bolt Assembly
8	R4583A01-03	Hinge Pin
9	R4583A01-12	Gasket
10	859960004*25	Split Pin

DN500 Flange Manlid Assembly with Convex Cover -4Bar-24 Points. The sealing surface type is a raised face (RF). The manlid cover is formed by welding a lining ring and a convex cover. The cover and neckring are locked by double-headed bolts with an M12 specification. M12 lifting eye bolts are used to lift the flange cover.

Option-Handles that can be welded to the flange cover.

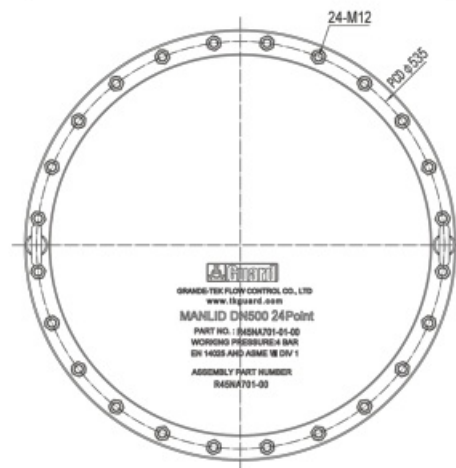
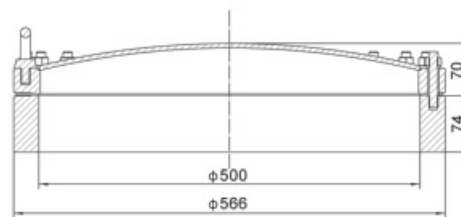
With screw kits and PTFE sealing gaskets.



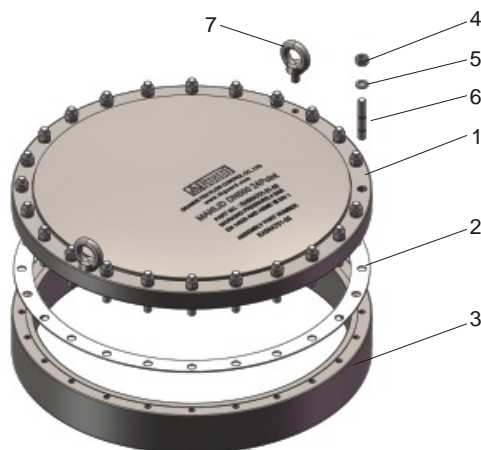
- Part No.: R45NA701-00
- Nominal Diameter: 500mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 24
- Design Temperature: - 40°C ~ + 200°C
- Weight: 24kg
- Neckring Weight: 33kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

Fitting Details



Part Drawing



Item	Part No.	Description
1	R45NA701-01-00	DN500 Cover
2	R45NA701-03	Seal
3	R45NA701-02	DN500 Neckring
4	85984400M12	Nut
5	8598110012	Spring Washer
6	85987100M12*60	Bolt
7	85985900M12	Bolt Assembly

DN500 with DN200 Inspection Flat Cover Flange Manlid Assembly-4Bar-20 Points. The sealing surface type is a tongue-and-groove surface (TG). The large manlid cover is formed by welding a forged flange, and the small manlid cover is formed by forging. The cover and neckring are locked by double-headed bolts with a specification of M16. M16 lifting eyebolts is used to lift the flange cover.

A DN200 inspection hole can be used for filling and inspection.

Option - different sizes of mounting holes can be reserved according to customer needs.

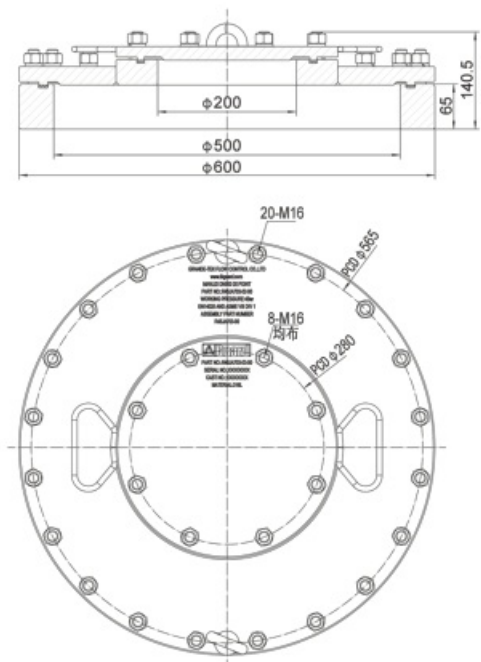
With screw kits and PTFE sealing gaskets.



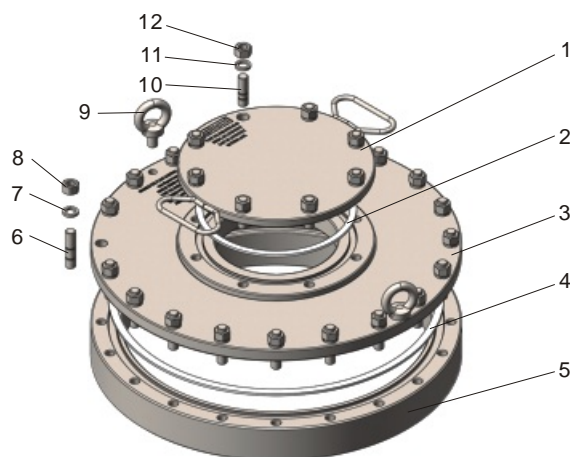
Part No.: R45JA703-00  
 Nominal Diameter: 500mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 20  
 Design Temperature: - 40°C ~ + 200°C  
 Weight: 65kg  
 Neckring Weight: 43kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

Fitting Details



Part Drawing



Item	Part No.	Description
1	R45JA703-03-00	DN200 Cover
2	11BC0003	Seal
3	R45JA703-02-00	DN500 Cover
4	R75JA803-03	Seal
5	R45JA703-01	Neckring
6	85987100M16*50	Bolt
7	8598110016	Spring Washer
8	85984400M16	Nut
9	85985800M16*28	Bolt Assembly
10	85986900M16*40	Bolt
11	8598110016	Spring Washer
12	85984400M16	Nut



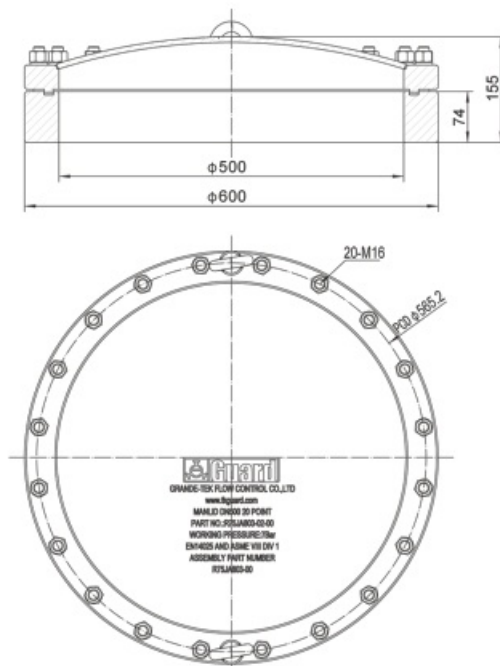
DN500 Flange Manlid Assembly with Convex Cove-7Bar-20 Points. The sealing surface type is a tongue-and-groove surface (TG). The manlid cover is formed by welding a lining ring and a convex cover. The cover and neckring are locked by double-headed bolts with an M16 specification. M16 lifting eye bolts are used to lift the flange cover.

With screw kits and PTFE sealing gaskets.

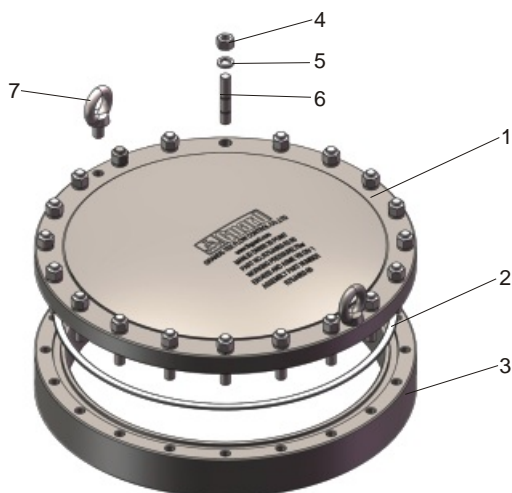
- Part No.: R75JA803-00
- Nominal Diameter: 500mm
- Design Pressure: 7Bar(101PSI)
- Test Pressure: 10Bar(145PSI)
- Points: 20
- Design Temperature: - 40°C ~ + 200°C
- Weight: 36kg
- Neckring Weight: 49kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

Fitting Details



Part Drawing



Item	Part No.	Description
1	R75JA803-02-00	DN500 Cover
2	R75JA803-03	Seal
3	R75JA803-01	DN500 Neckring
4	85984400M16	Nut
5	8598110016	Spring Washer
6	85987300M16*65	Bolt
7	85985800M16*28	Bolt Assembly



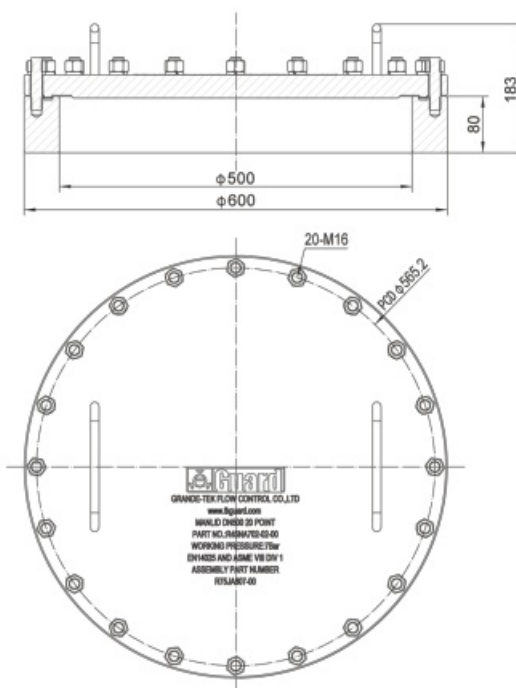
DN500 Flange Manlid Assembly with Flat Cover-7Bar. The sealing surface type is a tongue-and-groove surface (TG). The manlid cover is formed by forging. The cover and neckring are locked by double-headed bolts with an M16 specification. M16 lifting eye bolts are used to lift the flange cover.

With screw kits and PTFE sealing gaskets.

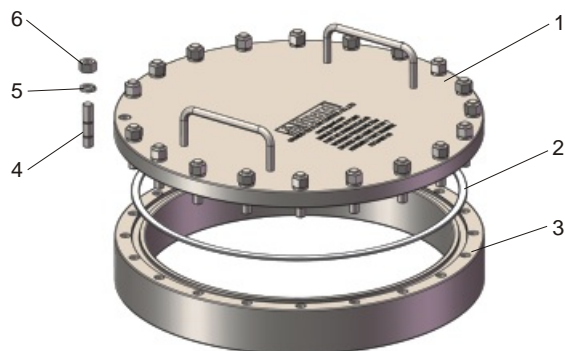
- Part No.: R75JA807-00
- Nominal Diameter: 500mm
- Design Pressure: 7Bar(101PSI)
- Test Pressure: 10Bar(145PSI)
- Points: 20
- Design Temperature: - 40°C ~ + 200°C
- Weight: 70kg
- Neckring Weight: 56kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	R45NA702-02-00	DN500 Cover
2	R45NA702-03	Seal
3	R75JA807-01	DN500 Neckring
4	85987100M16*55	Bolt
5	8598110016	Spring Washer
6	85984400M16	Nut

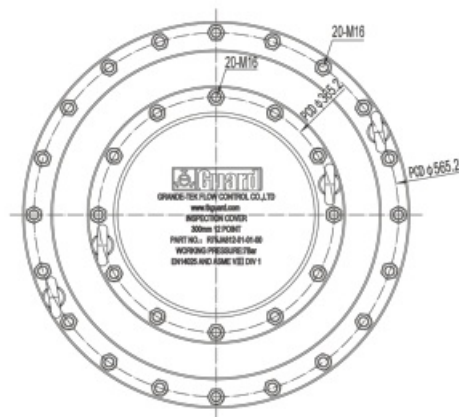
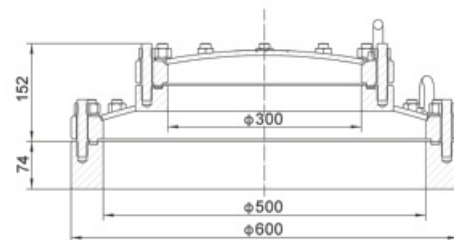
Dn500 with DN300 Inspection Flat Cover Flange Manlid Assembly-7Bar-20 Points.The sealing surface type is a tongue-and-groove surface (TG).The manlid cover is formed by welding a lining ring and a convex cover. The cover and neckring are locked by double-headed bolts with an M16 specification. M16 lifting eye bolts are used to lift the flange cover.

With screw kits and PTFE sealing gaskets.-7Bar-20 Points.The sealing surface type is a tongue-and-groove surface (TG).The manlid cover is formed by welding a lining ring and a convex cover. The cover and neckring are locked by double-headed bolts with an M16 specification. M16 lifting eye bolts are used to lift the flange cover.

With screw kits and PTFE sealing gaskets.



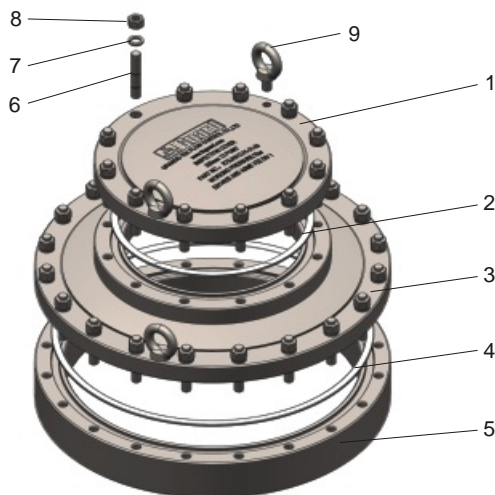
Fitting Details



- Part No.: R75JA812-00
- Nominal Diameter: 500mm
- Design Pressure: 7Bar(101PSI)
- Test Pressure: 10Bar(145PSI)
- Points: 20
- Design Temperature: - 40°C ~ +200°C
- Weight: 63kg
- Neckring Weight: 49kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

Part Drawing



Item	Part No.	Description
1	R75JA812-01-01-00	DN300 Cover
2	11BC0004	Seal
3	R75JA812-01-02-00	DN500 Cover
4	R75JA803-03	Seal
5	R75JA803-01	DN500 Neckring
6	85987300M16*65	Bolt
7	8598110016	Spring Washer
8	85984400M16	Nut
9	85985800M16*28	Bolt Assembly

Integral Type with Neckring Flange Manlid Assembly–7Bar–22 points. The sealing surface type is mortise and groove surface (TG). The manlid cover is forged in one piece and can be welded to various sizes of valve installation flanges. The manlid neckring is welded by the lining ring and the neckring. Three handlebars are distributed to facilitate multi–person handling. M16 ring bolts are used for lifting flange covers.

Neckring height customized according to customer requirements.

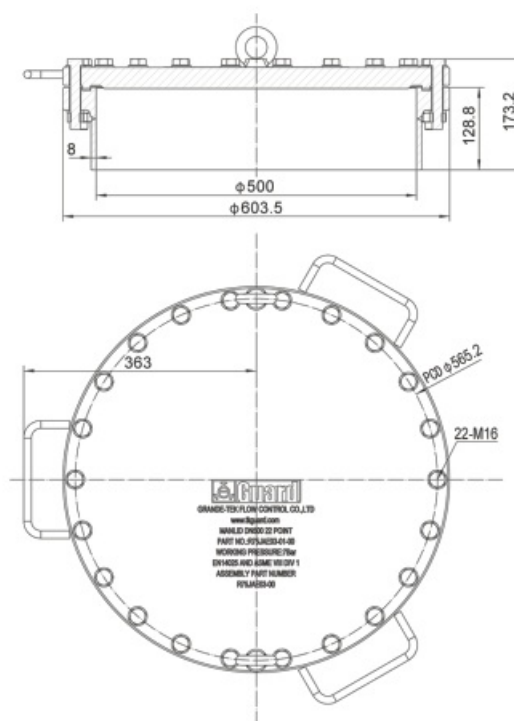
Standard fastener pack, PTFE gasket.



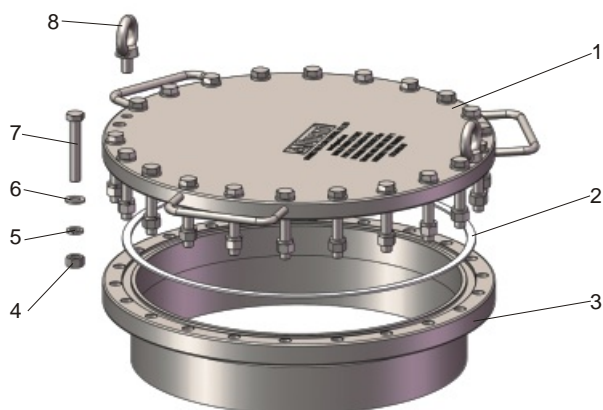
Part No.: R75JAE03-00  
 Nominal Diameter: 500mm  
 Design Pressure: 7Bar(101PSI)  
 Test Pressure: 10Bar(145PSI)  
 Points: 22  
 Design Temperature: - 40°C ~ + 200°C  
 Weight: 71kg  
 Neckring Weight: 32kg

Temperature range depends on the seal

### Fitting Details



### Part Drawing



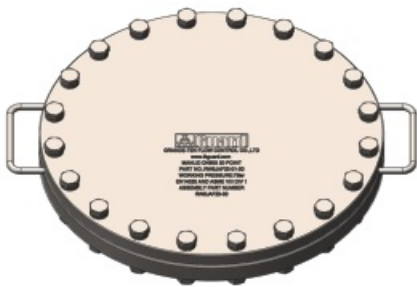
Item	Part No.	Description
1	R75JAE03-01-00	DN500 Cover
2	R75JA803-03	Seal
3	R75JAE03-02-00	DN500 Neckring
4	85984400M16	Nut
5	8598110016	Spring Washer
6	8598100016	Washer
7	85983400M16*90	Bolt
8	85985900M16	Bolt Assembly

DN500 Arbitrary Type with Neckring Flange Manlid Assembly-7Bar-20 points. The sealing surface type is mortise and groove surface (TG). The manlid cover is forged in one piece, and can be welded to various sizes of valve mounting holes and flanges. The manlid neckring is welded by the lining ring and the neckring.

The height of the neckring is selected according to customer's demand, and the arc arc is customized according to customer's tank size

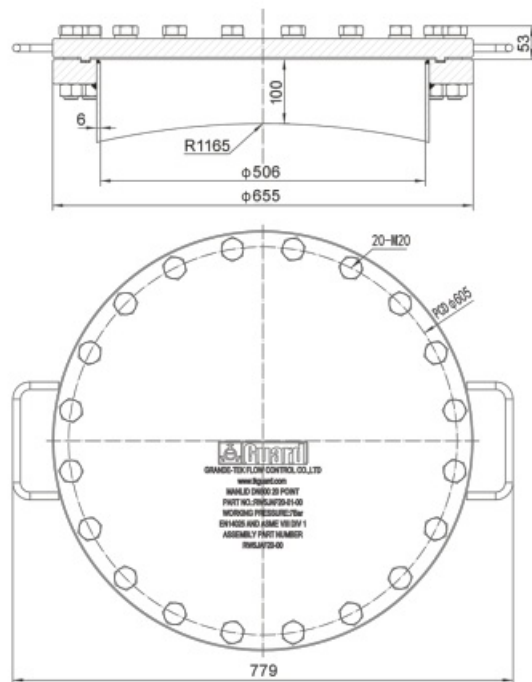
Standard fastener pack, PTFE gasket

### Fitting Details

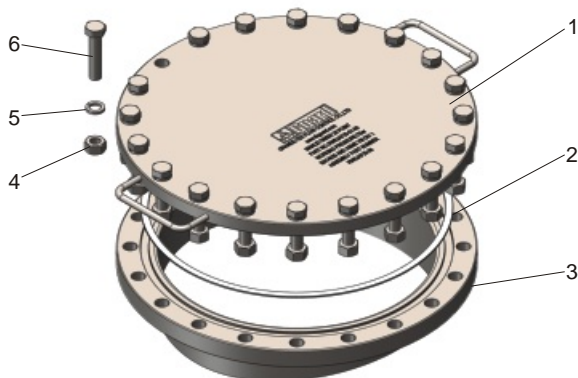


Part No.: RW5JAF20-00  
 Nominal Diameter: 500mm  
 Design Pressure: 7Bar(101PSI)  
 Test Pressure: 10Bar(145PSI)  
 Points: 20  
 Design Temperature: - 40°C ~ + 200°C  
 Weight: 76kg  
 Neckring Weight: 44kg

Temperature range depends on the seal



### Part Drawing



Item	Part No.	Description
1	RW5JAF20-01-00	DN500 Cover
2	11FC0002	Seal
3	RW5JAF20-02-00	DN500 Neckring
4	85984400M20	Nut
5	8598110020	Spring Washer
6	85983300M20*100	Bolt



The flange manlid cover is welded or directly processed into various valve installation holes, such as safety valve parts, nitrogen filling valve parts, discharge valve parts and other reserved valve holes. Saving space and simplifying the tank manufacturing process.

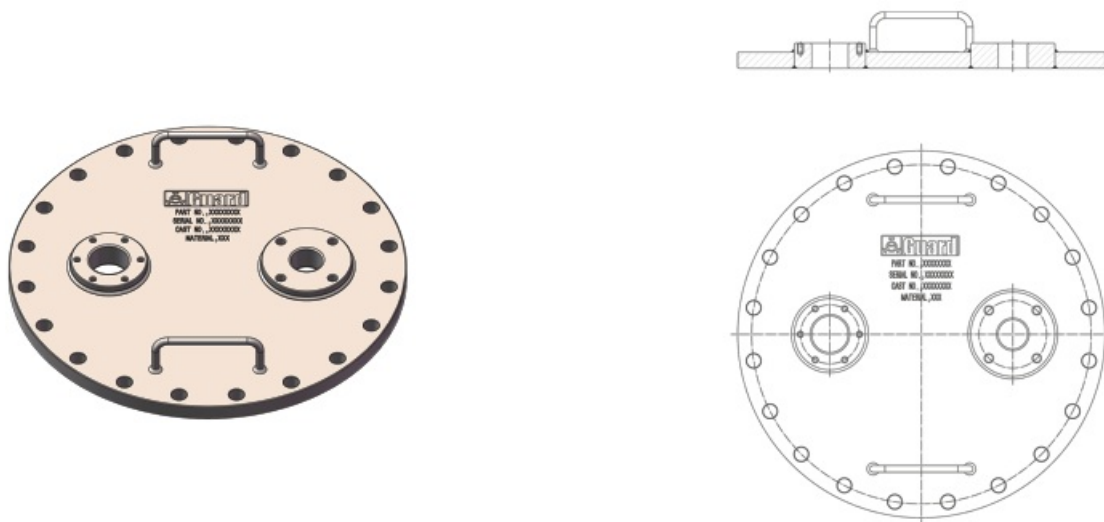
The sealing surface type is customized according to the tank pressure and customer requirements, option: tongue and groove surface (TG), raised surface (RF), full flat surface (FF), concave and convex surface (MFM), ring joint surface (RJ).

Flange cover thickness is selected according to tank pressure, thickness increases with pressure.

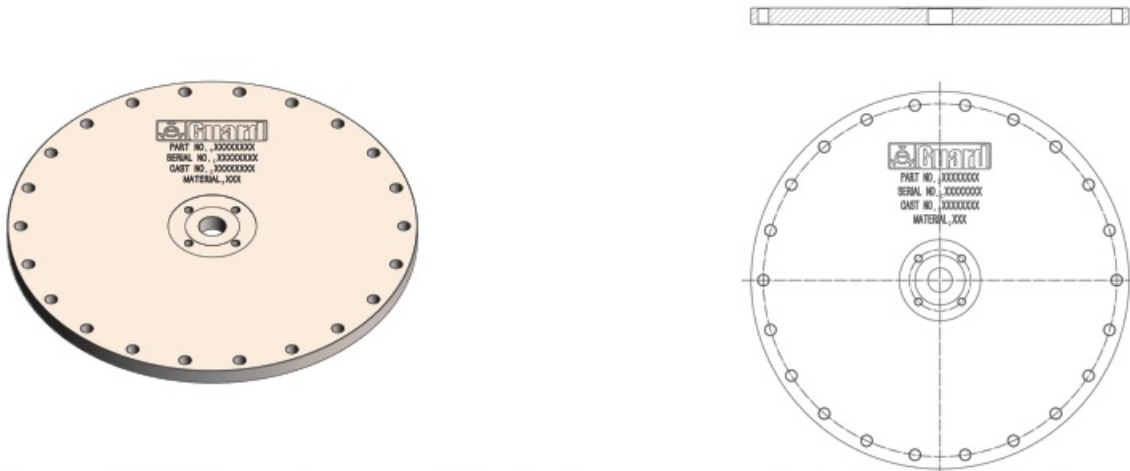
Neckring according to tank design requirements customized.

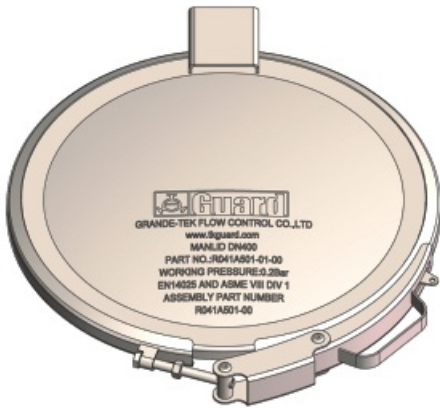
With screw kits and PTFE sealing gaskets.

High-pressure tanks: Weld valve installation flanges of various sizes on the cover according to the installation requirements of tank valves.



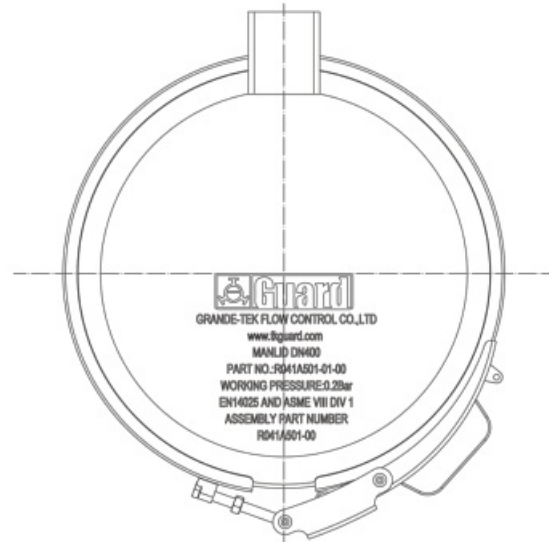
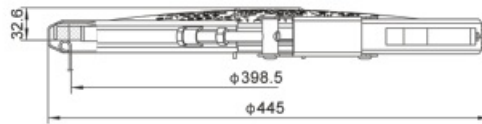
Low-pressure tank: According to the installation requirements of the tank valve parts, the size of the connecting flange is directly processed on the flange cover.





DN400 IBC Quick Opening Clamp Manlid Cover. Tight sealing by clamping, easy to operate. Adjust the locking degree by the position of the locking bolt. The seals are made of soft foamed fluorine rubber. Suitable for atmospheric pressure IBC tank.

### Fitting Details



- Part No.: R041A501-00
- Nominal Diameter: 400mm
- Design Pressure: 0.2Bar(2.9PSI)
- Test Pressure: 0.3Bar(4PSI)
- Design Temperature: - 40°C ~ + 200°C
- Weight: 4kg
- Clamp Weight: 1.5kg

### Part Drawing



Item	Part No.	Description
1	R041A501-01-00	Manlid Cover
2	RM40V000-01	Seal
3	R041A501-02-00	Clamp

DN500 IBC Quick Opening Clamp Manlid Cover. By locking the bolt to realize the clamp lock tight sealing, convenient operation.

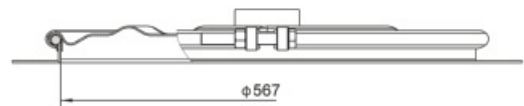
The manlid cover is stamped, and the cover body can be welded to the outlet of different thread forms.

Customized special-shaped seals. Suitable for atmospheric pressure IBC tank.

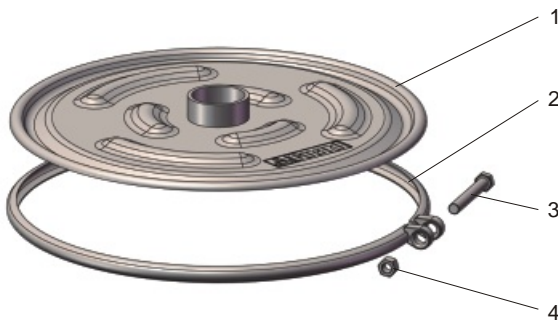


Nominal Diameter: 500mm  
 Design Pressure: 0.2Bar(2.9PSI)  
 Test Pressure: 0.3Bar(4PSI)  
 Design Temperature: - 40°C ~ +200°C  
 Weight: 5.5kg  
 Clamp Weight: 2kg

### Fitting Details

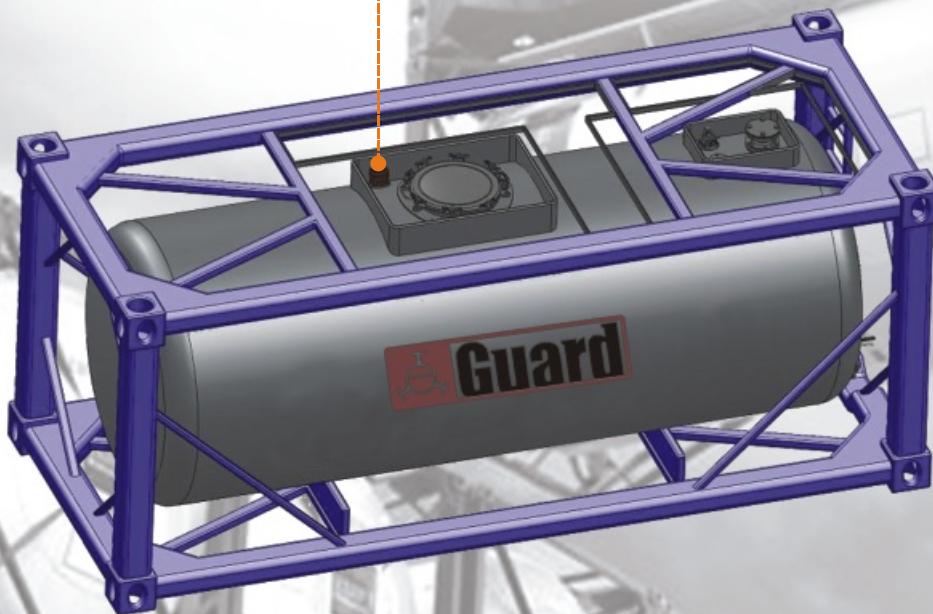


### Part Drawing



Item	Part No.	Description
1	R2500305-01-00	Quick Opening Cover
2	R2500301-03-00	Clamp
3	85983300M16*110	Bolt
4	85984400M16	Nut

# Safety Relief Valve



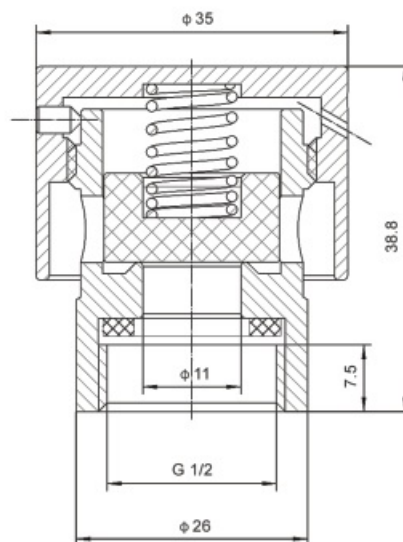


1/2" Safety Relief Valve— 1/2" BSP Female connection, pressure 0.3bar, With pressure-relieving and non-splashing function, For space-limited use.

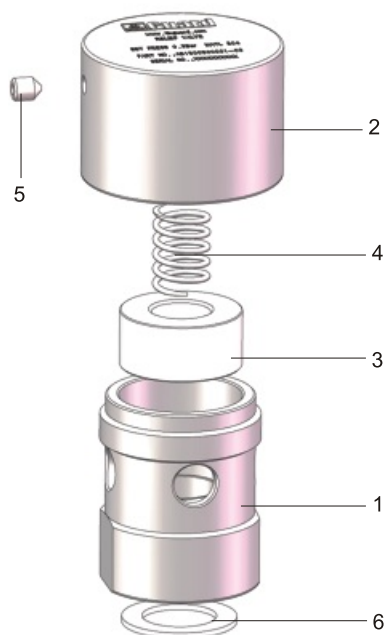
- Part No.: AB1500300001-00
- Norminal Diameter: DN15
- Connection: 1/2 G 螺纹
- Pressure Setting: 0.3Bar
- Contact Parts: 304
- Seal: PTFE
- Design Temperature: -55°C~200°C

◆ Different pressure and vacuum settings are available.

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	AB1500300001-01	Body
2	AB1500300001-02	Cap
3	AB1500300001-03	Closure Plate
4	AB1500300001-04	Spring
5	85988700M4*5	Cap Screw
6	AB1500300001-05	Seal

Note: Regular inspection and maintenance are necessary.

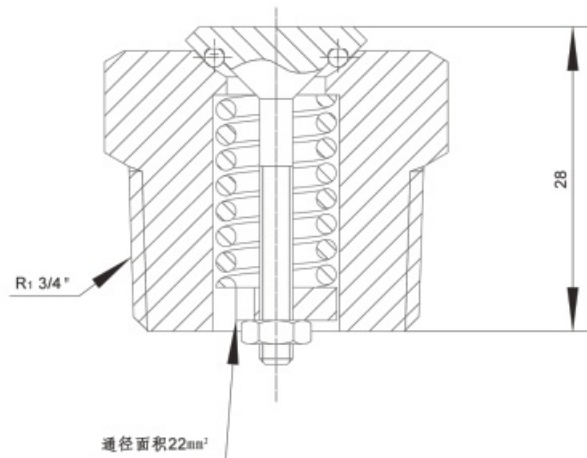


3/4" Steaming Pipe Relief Valve— 3/4" R Male connection, for steaming pipe. Contact parts in 316 stainless steel with Viton seal.

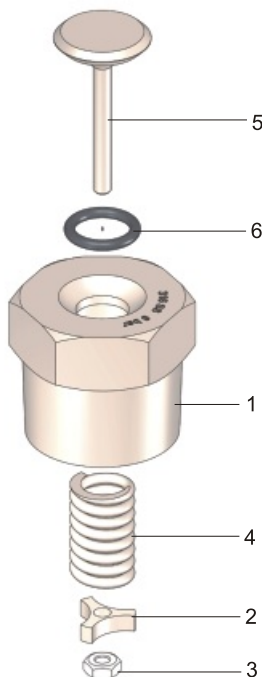
Part No.: 0120110601-00  
 Norminal Diameter: DN10  
 Connection: R3/4"  
 Pressure Setting: 6Bar  
 Contact Parts: 316  
 Seal: Viton  
 Pressure: 2Bar, 4Bar, 6Bar  
 Design Temperature: -20°C ~ 200°C

◆ Different pressure and vacuum settings are available.

Fitting Details



## Part Drawing



Item	Part No.	Description
1	0120110601-01	Body
2	0120110601-02	Spring Pad
3	85984400M3	Nut
4	0120110601-03	Spring
5	0120110601-04	Poppet
6	0120110601-05	O-Ring

Note: Regular inspection and maintenance are necessary.

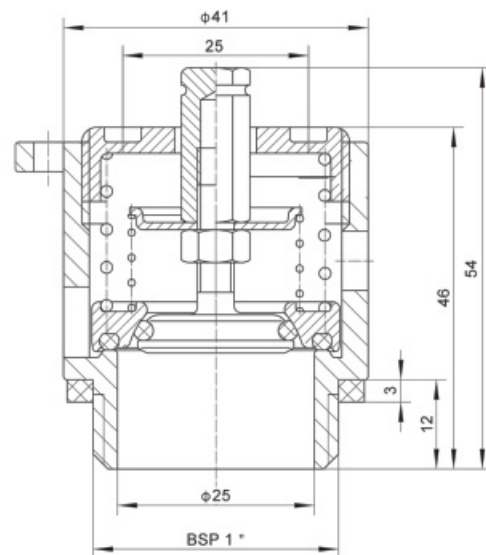


Part No.: APB02501-00  
 Nominal Diameter: DN25  
 Connection: 1" BSP  
 Pressure Setting: 0.21Bar  
 Pressure Setting: 0.03Bar  
 Contact Parts: 316L  
 Seal: Viton  
 Design Temperature: -40°C ~ 200°C

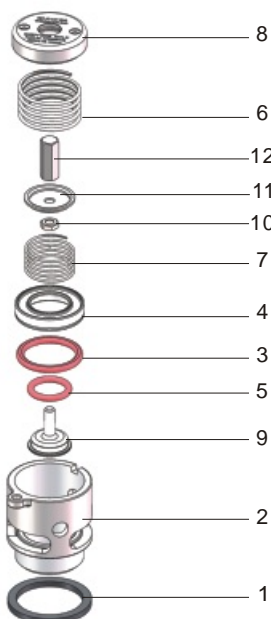
◆ Different pressure and vacuum settings are available.

1" BSP Safety Relief Valve— 1" BSP Connection.  
 Suitable for a vacuum range of between 0.02-0.1 Bar (0.5" - 3" HG) and a pressure range of between 0.07-3.1 Bar(1-45 PSI). Complete with manual vent button and Viton tank seal.  
 Option-Flame Proof Gauze.

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	APB02501-01	Tank Seal
2	APB02501-02	Body
3	GB/T 3452.1	$\phi 23 \times \phi 3.55$ O-ring
4	APB02501-04	Pressure Plate
5	DLJ68001-10	$\phi 14 \times \phi 3$ O-ring
6	APB02501-06	Spring
7	APB02501-07	Spring
8	APB02501-08	Cap
9	APB02501-09	Vacuum Poppet
10	DIN 934	M5(A4-70) Nut
11	APB02501-10	Vacuum Spring Pad
12	APB02501-11	Manual Lever

Note: Regular inspection and maintenance are necessary.

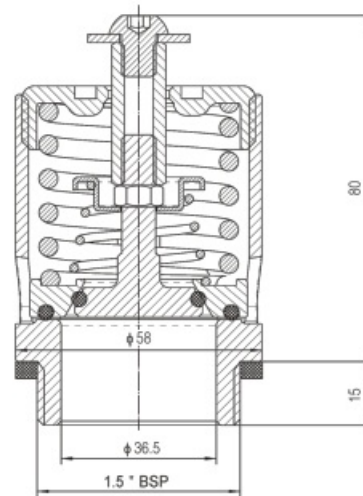
# 1.5" BSP Safety Relief Valve



1.5" BSP Safety Relief Valve— 1.5" BSP Connection.  
 Suitable for a vacuum range of between 0.02-0.81 Bar (0.5" - 24" HG) and a pressure range of between 0.07-4.34 Bar(1-63 PSI).  
 Complete with manual vent button .

Option—Flame Proof Gauze.

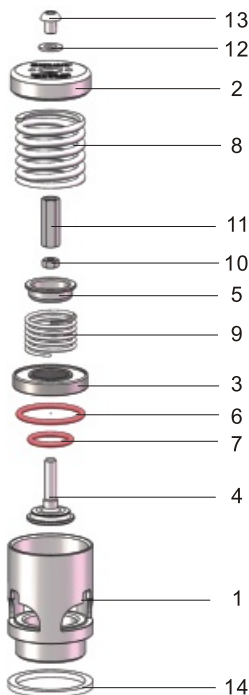
### Fitting Details



Part No.: APB24001-0 0  
 Nominal Diameter: DN40  
 Connection: 1.5" BSP  
 Pressure Setting: 1.93Bar/28PSIG  
 Vacuum Setting: 0.21Bar/6.2" HG  
 Contact Parts: 316L  
 Seal: Encapsulated O-Ring  
 Design Temperature: -55°C ~ 200°C  
 Weight: 0.74kg

◆ Different pressure and vacuum settings are available.

### Part Drawing



Item	Part No.	Description
1	APB24001-01	Body
2	APB24001-02	Cap
3	APB24001-03	Pressure Plate
4	APB24001-04	Vacuum Poppet
5	APB46501-07	Vacuum Spring Pad
6	APB24001-05	Pressure Seal
7	APB24001-06	Pressure Seal
8	APB24001-07	Spring
9	APB46501-06	Vacuum Spring
10	85954400M8	Nut M8
11	APB24001-08	Spring Stem
12	859810008	Plain Washer
13	85988500M8*10	Screw M8
14	APB24001-09	1.5" Safety Relief Valve Tank Seal

Note; Regular inspection and maintenance are necessary.

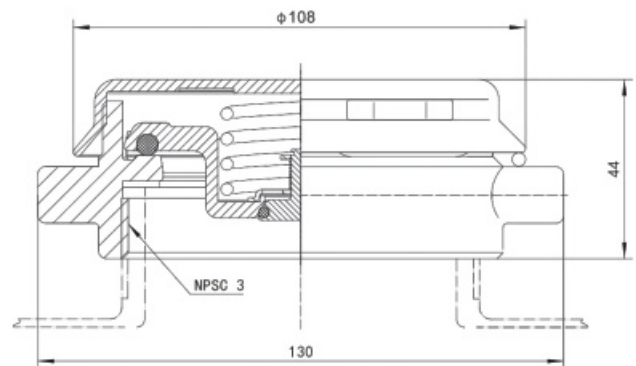




3" IBC Safety Relief Valve—3" NPSC Connection.  
Product with function of releasing pressure without splash and relief valve with discharging, small size fits for limited space.

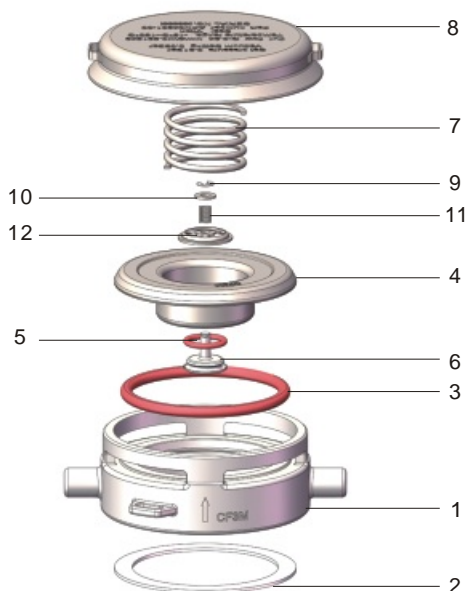
Part No.: APN04801-00  
Nominal Diameter: DN80  
Connection: 3" NPSC  
Pressure Setting: 0.21Bar  
Pressure Setting: 0.03Bar  
Contact Parts: 316L  
Seal: Viton  
Design Temperature: -15°C ~ 150°C

### Fitting Details



Note: According to customers' requirements and design standard, the valve carries out pressure adjustment and lead sealing. In case of danger, it is forbidden to open the lead sealing.

### Part Drawing



Item	Part No.	Description
1	APN04801-01	Body
2	APN04801-02	Washer
3	APN04801-03	O-ring
4	APN04801-04	Pressure Plate
5	8532000014*2.65	O-ring
6	AB5000210301-06	Vacuum Poppet
7	APN04801-07	Spring
8	APN04801-08-00	Cap
9	859919003.2	Snap Ring
10	AB5000210301-09	Plain Washer
11	AB5000210301-05	Spring
12	AB5000210301-08	Vacuum Spring Seat

Note: Regular inspection and maintenance are necessary.



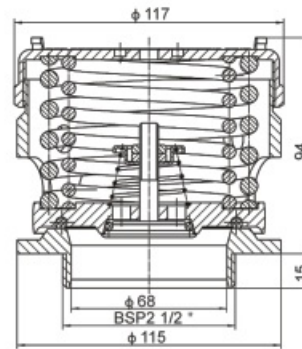
Part No.: APB46501-00  
 Nominal Diameter: DN65  
 Connection: 2.5" BSP  
 Pressure Setting: 4.4Bar/63.8PSIG  
 Vacuum Setting: 0.21Bar/6.2" HG  
 Contact Parts: 316L  
 Seal: 包覆型O型圈 Encapsulated O-Ring  
 Design Temperature: -55°C ~ 200°C  
 Weight: 3.0kg

Note: According to customers' requirements and design standard, the valve carries out pressure adjustment and lead sealing. In case of danger, it is forbidden to open the lead sealing.

2.5" BSP Safety Relief Valve— 2.5" BSP connection, 65mm Nominal bore. Suitable for a vacuum range of between 0-0.81 Bar (0-24" HG) and a pressure range of between 0.21-4.55 Bar(3-66 PSI).

Option—Flame Proof Gauze

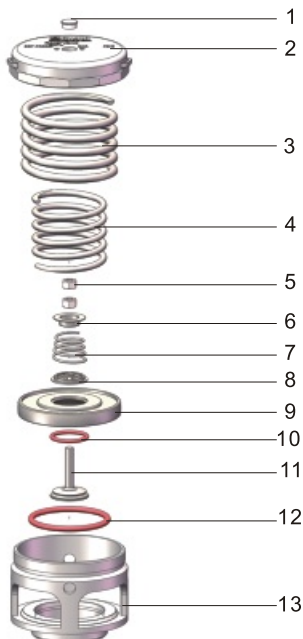
### Fitting Details



Pressure Setting	Part No.
Pressure : 2.19Bar Vacuum: 0.21Bar	APB26501-00
Pressure: 4.4Bar Vacuum: 0.21Bar	APB46501-00

◆ Different pressure and vacuum settings are available.

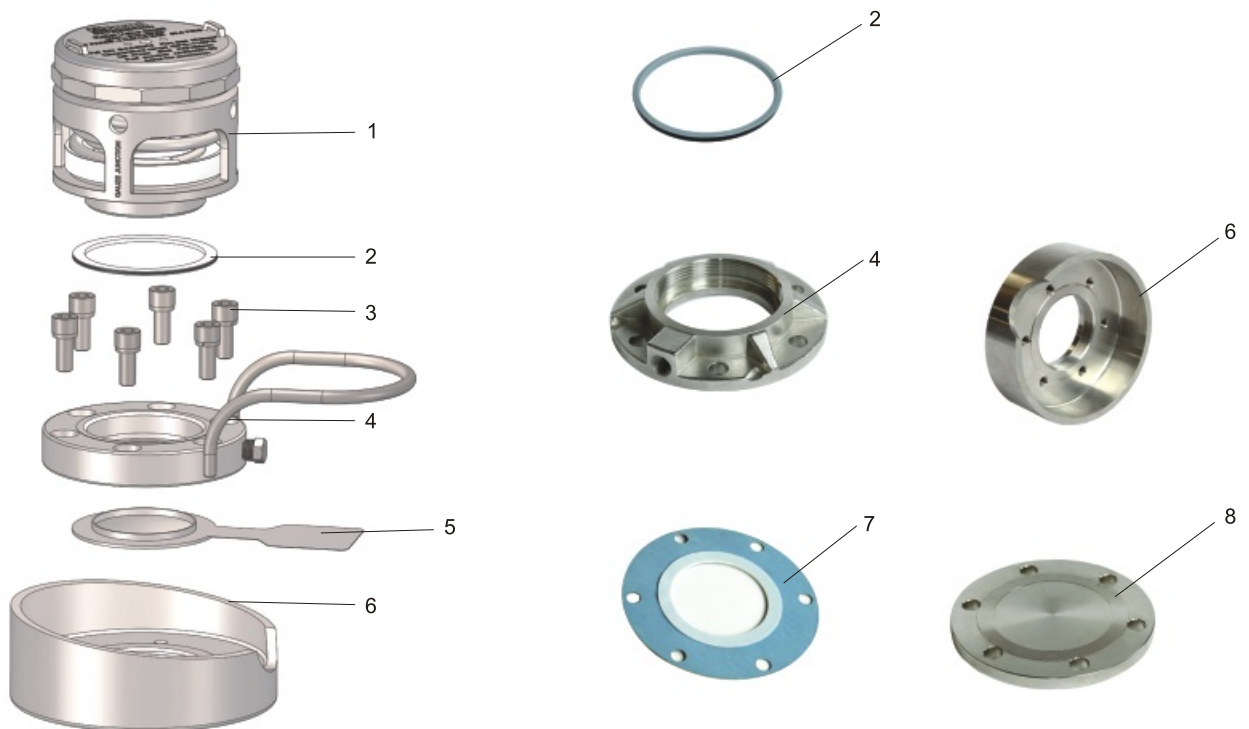
### Part Drawing



Item	Part No.	Description
1	AMF46501-05	Plastic Plug
2	APB46501-10	Cap
3	AMF46501-08	Pressure Spring
4	AMF46501-09	Pressure Spring
5	85984400M8	Nut
6	APB46501-07	Vacuum Spring Pad
7	APB46501-06	Vacuum Spring
8	APFA8001-03	Vacuum Spring Pad
9	APB46501-02	Pressure Plate
10	APB46501-11	O-Ring
11	APB46501-04	Vacuum Poppet
12	AMF46501-03	O-Ring
13	APB46501-01	Body

## Installation

Item	Part No.	Description	Remark
1	APB46501-00	2.5 " BSP Safety Relief Valve	Nominal Diameter65mm, Connection 2.5 " BSP
2	ZAB46501-01	Gasket	PTFE+CNAF
	ZAB46501-02	Gasket	PTFE+SBR
3	SNFA0001	Screw Kits 01	Standard
4	ZAB46501-04-02	Adaptor Flange	6× φ11×PCD105, 316L
	ZAB46501-05-02	Adaptor Flange	6× φ11×PCD105, CF3M
5	B0650484-01	Rupture Disc	65mm ICON ,Bursting Pressure 4.84bar @20°C
6	ZAB46501-03	Weld-in Flange	6×M10×PCD105 ,316L
	ZAB46501-08	Recess Flange	6×M10×PCD105, 316L
7	ZAB46501-07	Gasket	6× φ11×PCD105, PTFE+CNAF
8	ZAB46501-06	Blind Flange	6× φ11×PCD105, 316L

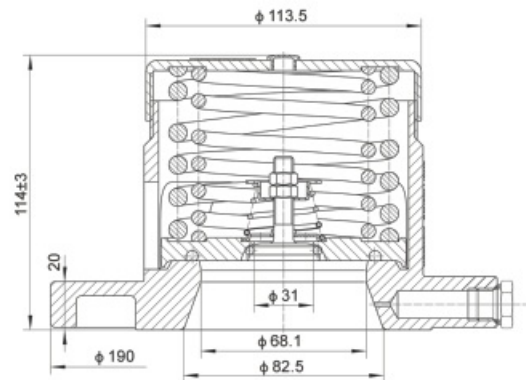


## 2.5" Flanged Safety Relief Valve



Part No.: AF6504402101  
 Nominal Diameter: DN65  
 Connection: Tank Flange 4 × φ 18 × PCD145  
 Pressure Setting: 4.4Bar/63.8PSIG  
 Vacuum Setting: 0.21Bar/6.2" HG  
 Contact Parts: 316L  
 Seal: Encapsulated O-Ring  
 Design Temperature: -55°C ~ 200°C  
 Weight: 5.26kg

Fitting Details



Part Number Varies with different connection

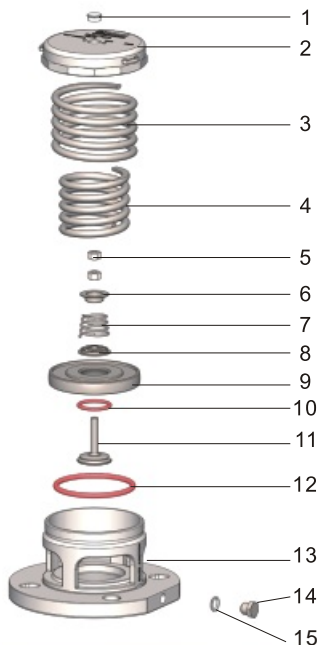
Item	Optional Connection
1	4 × φ 18mm × PCD 145
2	4 × φ 18mm × PCD 152.4
3	4 × φ 18mm × PCD145-PCD152.4

Pressure Setting	Part No.
Pressure : 2.19Bar Vacuum: 0.21Bar	APF26501-00
Pressure: 4.4Bar Vacuum: 0.21Bar	APF46501-00

Note: According to customers' requirements and design standard, the valve carries out pressure adjustment and lead sealing. In case of danger, it is forbidden to open the lead sealing.

◆ Different pressure and vacuum settings are available.

### Part Drawing



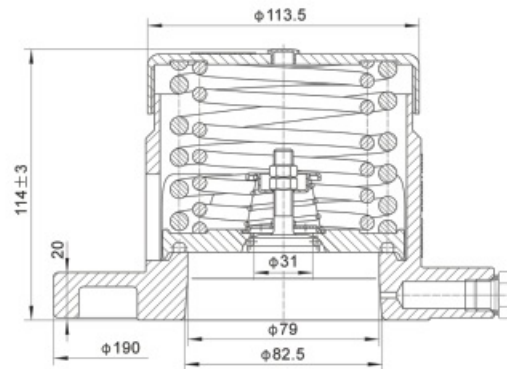
Item	Part No.	Description
1	AMF46501-05	Plastic Plug
2	APB46501-10	Cap
3	AMF46501-08	Pressure Spring
4	AMF46501-09	Pressure Spring
5	85984400M8	Nut
6	APB46501-07	Vacuum Spring Pad
7	APB46501-06	Vacuum Spring
8	APFA8001-03	Vacuum Spring Pad
9	APB46501-02	Pressure Plate
10	APB46501-11	O-Ring
11	APB46501-04	Vacuum Poppet
12	AMF46501-03	O-Ring
13	APF46502-01	Body
14	ZAB46501-13	Plug
15	ZAB46501-14	Washer



Part No.: APF48001-00  
 Nominal Diameter: DN80  
 Connection: Tank Flange 4 × φ 18 × PCD145  
 Pressure Setting: 4.4Bar/63.8PSIG  
 Pressure Setting: -0.21Bar/6.2" HG  
 Contact Parts: 316L  
 Seal FEP/Silicon Encapsulated O-Ring  
 Design Temperature: -55°C ~ 200°C  
 Weight: 5.26kg

Note: According to customers' requirements and design standard, the valve carries out pressure adjustment and lead sealing. In case of danger, it is forbidden to open the lead sealing.

### Fitting Details



Part Number Varies with different connection

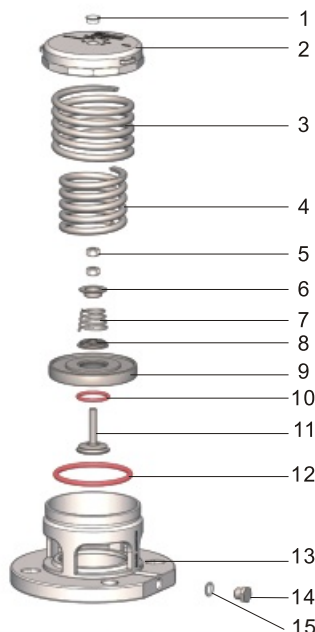
Item	Optional Connection
1	4 × φ 18mm × PCD 145
2	4 × φ 18mm × PCD 152.4
3	4 × φ 18mm × PCD145-PCD152.4

### Pressure Range

Pressure Setting	Part No.
Pressure : 2.2Bar Vacuum: 0.21Bar	APF28001-00
Pressure: 4.4Bar Vacuum: 0.21Bar	APF48001-00

◆ Different pressure and vacuum settings are available.

### Part Drawing



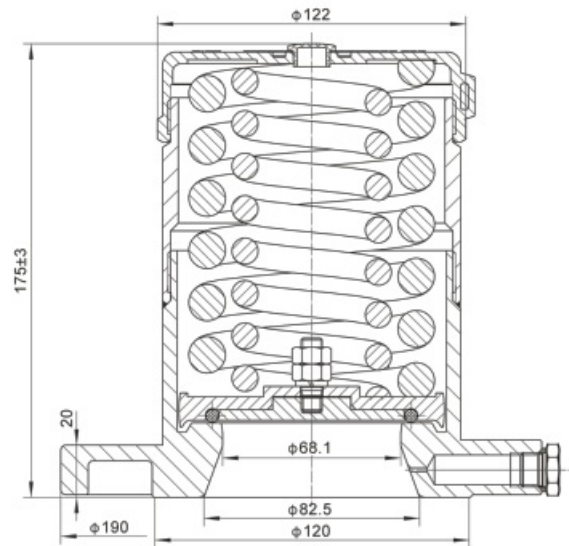
Item	Part No.	Description
1	AMF46501-05	Plastic Plug
2	AMF48001-06	Cap
3	AMF46501-08	Pressure Spring
4	AMF48001-09	Pressure Spring
5	85984400M8	Nut
6	APB46501-07	Vacuum Spring Pad
7	APB46501-06	Vacuum Spring
8	APFA8001-03	Vacuum Spring Pad
9	APF48001-02	Pressure Plate
10	APB46501-11	O-Ring
11	APB46501-04	Vacuum Poppet
12	8236FPA101	O-Ring
13	APF48002-01	Body
14	ZAB46501-13	Plug
15	ZAB46501-14	Washer

## 2.5" Flanged Safety Valve



Part No.: AF6516500001-00  
 Connection: Flange 4 × φ 18 × PCD145 ~ 152.4  
 Nominal Diameter: DN65  
 Nominal Pressure: PN25  
 Design Temperature: -55°C ~ 200°C  
 Contact Parts: 304/316  
 Seal: PTFE

### Fitting Details



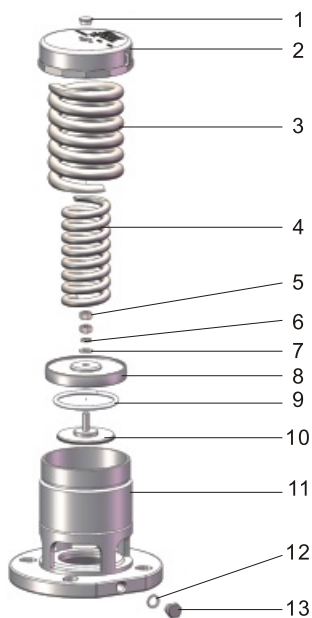
Note: According to customers' requirements and design standard, the valve carries out pressure adjustment and lead sealing. In case of danger, it is forbidden to open the lead sealing.

Part Number Varies with different connection

Item	Optional Connection
1	4 × φ 18mm × PCD 145
2	4 × φ 18mm × PCD 152.4
3	4 × φ 18mm × PCD145-PCD152.4

◆ Different pressure and vacuum settings are available.

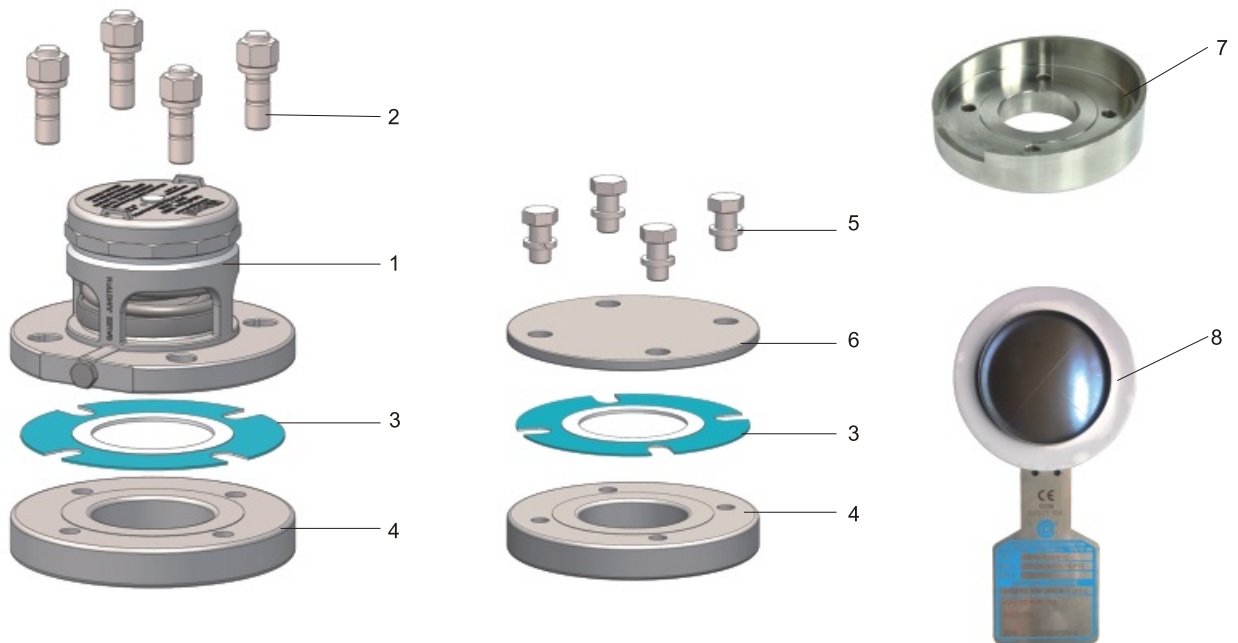
### Part Drawing



Item	Part No.	Description
1	AMF46501-05	Plastic Plug
2	AF6516500001-06	Cap
3	AF6516500001-04	Pressure Spring
4	AF6516500001-05	Pressure Spring
5	85984400M8	Nut
6	859811008	Washer
7	859810008	Washer
8	AF6516500001-02	Top Pressure Plate
9	8561000070.8*5.3	O-Ring
10	AF6516500001-03-00	Bottom Pressure Plate
11	AF6516500001-01-00	Body
12	ZAB46501-13	Plug
13	ZAB46501-14	Washer

## Installation

Item	Part No.	Description	Remark
1	APF46502-00	2.5 " Flanged Safety Relief Valve	Nominal Diameter: 65mm, Connection: Flanged
2	SNFA0002	Screw Kits 02	Standard
3	ZAF48001-01	Gasket	PTFE+CNAF
4	ZAF48001-02	Weld-in Flange	4×M16×PCD145 , 316L
5	SNFA0003	Screw Kits 03	Standard
6	ZAF48001-03	Blind Flange	ED190mm, Drilled 4×φ18×PCD145, Thickness 8.5mm
6	ZAF48001-06	Blind Flange	ED190mm, Drilled 4×φ18×PCD145, Thickness 13.5mm
7	ZAF48001-04	Recess Flange	4×M16×PCD145, 316L
8	B0800484-01C	Rupture Disc	80mm 4.84 BAR@ 20°C

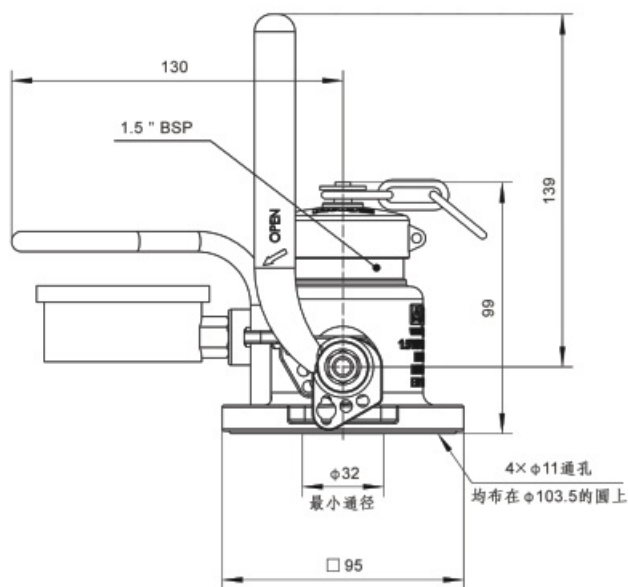




1.5" BSP Air Inlet Ball Valve— 1.5" BSP connection. With pressure gauge and protection connection and leading seal. The pressure gauge is mounted on the left side of the handle.

Option— Protection, gauze filter and outlet connector.

## Fitting Details



Part No.: QKB04001-00

Connection:

Container Flange,

Drilling 4× φ 11×PCD103.5

Outlet 1.5" BSP外螺纹

Nominal Diameter: 32mm

MAWP: 10 Bar

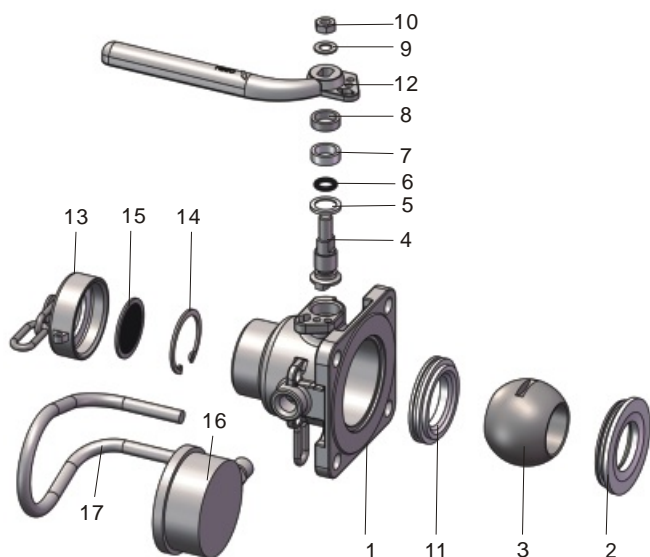
Contact Parts: 316

Seal: PTFE、Viton

Design Temperature: -40°C~190°C

Weight: 1.7kg

## Part Drawing



Parts marked in red belong to the seal kit SNSQ4001.

Parts marked in blue belong to the seal kit SNMQ4001.

Item	Part No.	Description
1	QKB04001-01	Body
2	QKB04001-02	Ball seal
3	QKB04001-03	Ball
4	QKB04001-04	Spindle
5	QKB04001-05	Bottom Bearing
6	853200009*2.65	O-ring
7	QKB04001-06	Stuffing
8	QKB04001-07	Junk Ring
9	859810008	Washer
10	85984500M8	Nut
11	QKB04001-08	Ball Seal
12	QKB04001-09	Handle
13	QKB04001-10-00	Cap
14	8598150038	Snap Ring
15	QKB04001-14	Gauze Filter
16	WY07BB01 (按要求选择) Option	Pressure Gauge
17	ZKQ04001-05 (按要求选择) Option	Gauge Production



# 1.5" New Air Ball Valve

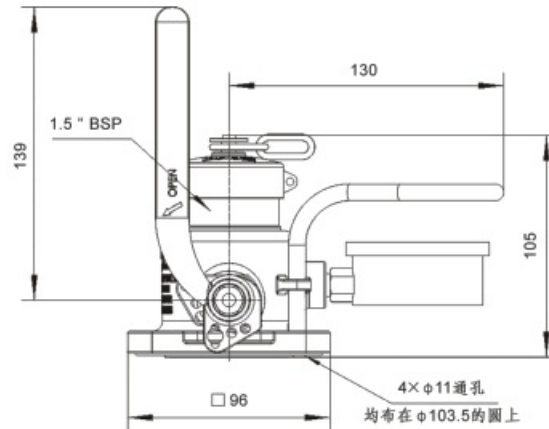


Part No. : QKB04002-00  
 Connection: Container Flange 4 × φ 11 × PCD103.5  
 Outlet 1.5" BSP  
 Nominal Diameter: 30mm  
 Nominal Pressure: 10Bar  
 Contact Parts: 316  
 Seal: PTFE  
 Design Temperature: -40°C ~ 190°C  
 weight: 1.8kg

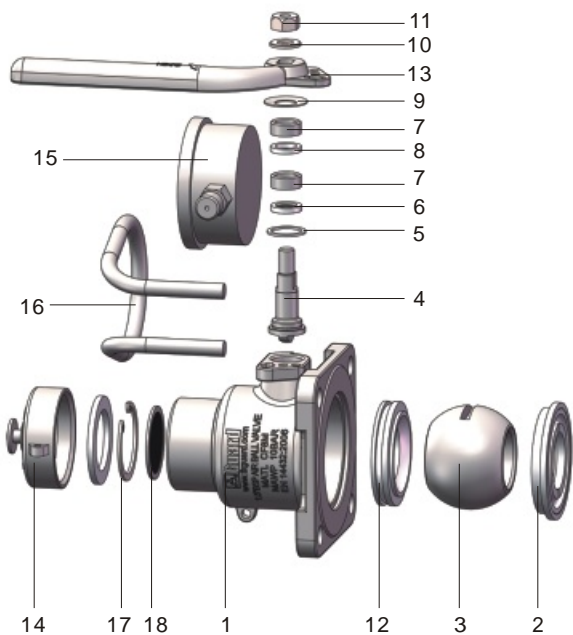
1.5" BSP Air Inlet Ball Valve—1.5" BSP connection. With pressure gauge and protection connection and leading seal. The pressure gauge is mounted on the right side of the handle.

Option— Protection, gauze filter and outlet connector.

## Fitting Details



## Part Drawing



Item	Part No.	Description
1	QKB04002-01	Body
2	FPK1-01	Rear Seal
3	FPK1-06	φ 54 × φ 29.3 Ball
4	FPK1-09	Spindle
5	FPK1-05	Gasket
6	FPK1-07	Spindle Packing
7	FPK1-04	Junk Ring
8	FPK1-03	Spindle Packing
9	FPK1-08	Washer
10	859810008	Washer
11	85984500M8	Capscrew
12	FPK1-02	Front Seal
13	QKB04001-09	Handle
14	QKB04001-10-00	Dust Cap
15	WY07BB01	Pressure Gauge
16	ZKQ04001-01	Gauge Protection
17	8598150038	Snap Ring
18	QKB04001-14	Filter

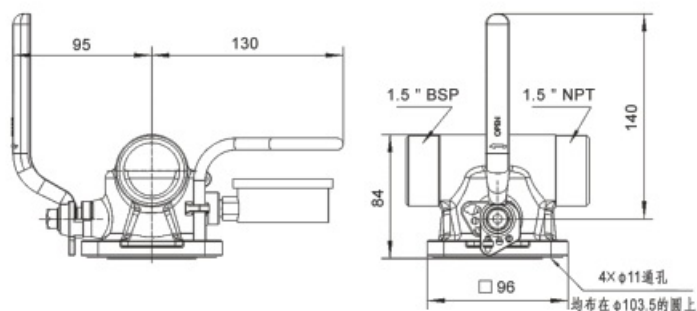
Note: Spare parts for repair are available separately.



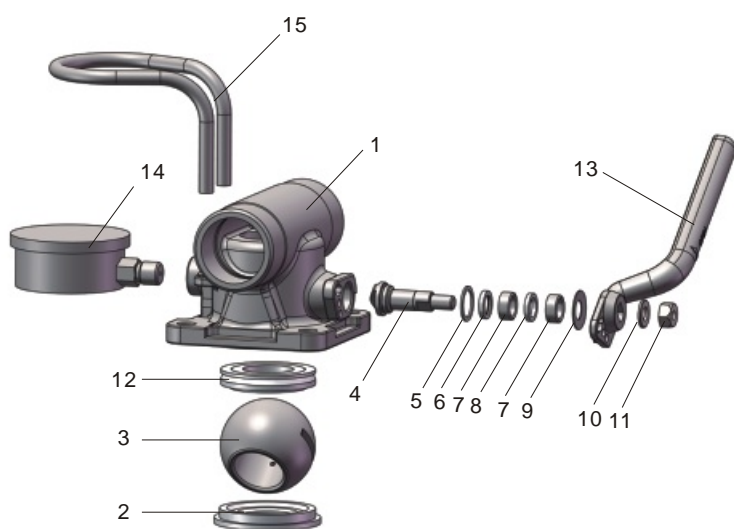
1.5" Double Connection Air Ball Valve—1.5" BSP and 1.5" NPT male connection. Complete with pressure gauge connection and TIR facility to handle.

### Fitting Details

Part No. : QKB04003-00  
 Connection: Container Flange,  
 Drilling 4 ×  $\phi 11 \times \text{PCD}103.5$   
 Outlet 1.5" BSP, 1.5" NPT  
 Norminal Diameter: 32mm  
 MAWP: 10Bar  
 Contact Part: 316  
 Seal: PTFE  
 Design Temperature:  $-40^{\circ}\text{C} \sim 190^{\circ}\text{C}$



### Part Drawing



Item	Part No.	Description
1	QKB04003-01	Body
2	FPK1-01	Rear Seal
3	FPK1-06	$\phi 54 \times \phi 29.3$ Ball
4	FPK1-09	Spindle
5	FPK1-05	Gasket
6	FPK1-07	Spindle Packing
7	FPK1-04	Junk Ring
8	FPK1-03	Spindle Packing
9	FPK1-08	Washer
10	859810008	Washer
11	85984500M8	Capscrew
12	FPK1-02	Front Seal
13	QKF04001-02	Handle
14	WY07BB01	Pressure Gauge
15	ZKQ04001-01	Gauge Protection

Note: Spare parts for repair are available separately.

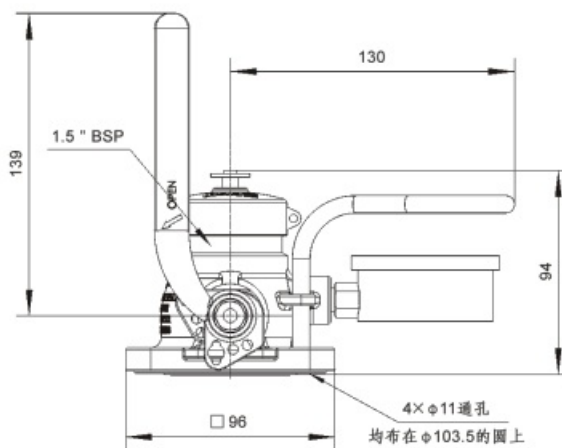
# 1.5" Full Bore Air Ball Valve



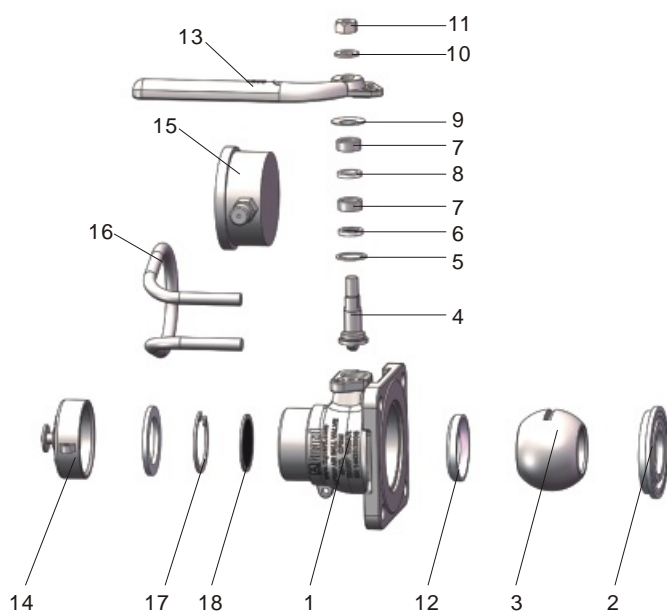
Part No. : QKB04004-00  
 Norminal Diameter: 32mm  
 Connection: Container Flange,  
 Drilling 4 × φ 11 × PCD103.5  
 Outlet 1.5" BSP  
 MAWP: 10Bar  
 Contact Part: 316  
 Seal: PTFE, Viton  
 Design Temperature: -40°C ~ 190°C

1.5" Lower Air Ball valve—1.5" BSP male connection. Complete with pressure gauge connection and TIR facility to handle. The height is 11mm lower than standard airline ball valve, for large volume tanks use.

## Fitting Details



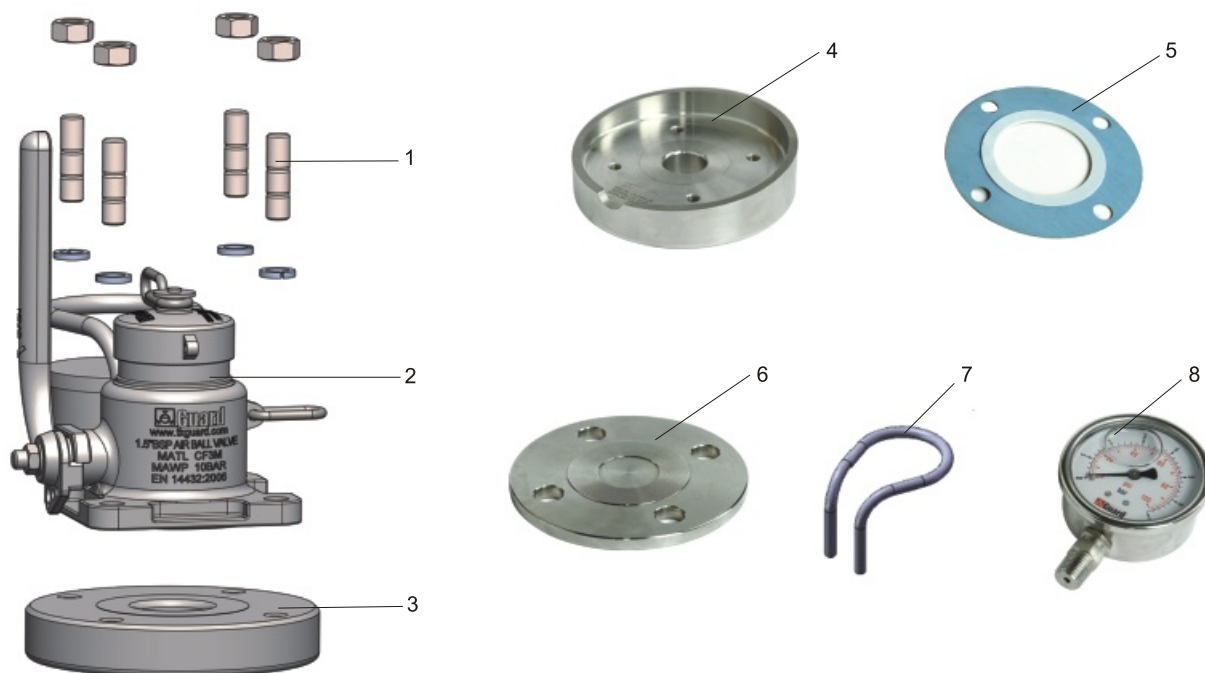
## Part Drawing



Item	Part No.	Description
1	QKB04004-01	Body
2	FPK1-01	Rear Seal
3	FPK1-06	φ 54 × φ 29.3 Ball Seal
4	FPK1-09	Spindle
5	FPK1-05	Gasket
6	FPK1-07	Spindle Packing
7	FPK1-04	Junk Ring
8	FPK1-03	Spindle Packing
9	FPK1-08	Washer
10	859810008	Washer
11	85984500M8	Capscrew
12	QKB04004-02	Front Seal
13	QKB04001-09	Handle
14	QKB04001-10-00	Dust Cap
15	WY07BB01	Pressure Gauge
16	ZKQ04001-01	Gauge Protection
17	8598150038	Snap Ring
18	QKB04001-14	Filter

Note: Spare parts for repair are available separately.

## Installation



Item	Part No.	Description
1	SNFA0013	Screw Kits13
2	QKB04001-00	1.5" BSP Air Inlet Ball Valve
3	ZKQ04001-01	Weld in Flange
4	ZKQ04001-02	Recess Flange
5	ZKQ04001-03-00	Gasket
6	ZKQ04001-04	Blind Flange
7	ZKQ04001-05 (按 要 求 选 择) Option	Gauge Protection
8	WY07BB01 (按 要 求 选 择) Option	Pressure Gauge

## Features

- \* With the floating ball seal and dual-seal the seal of the valves can be adjusted by tightening the screw kits.
- \* The outlet cap keeps polluted medium outside.
- \* To avoid loss the cap is fixed on the valves with a stainless steel chain.

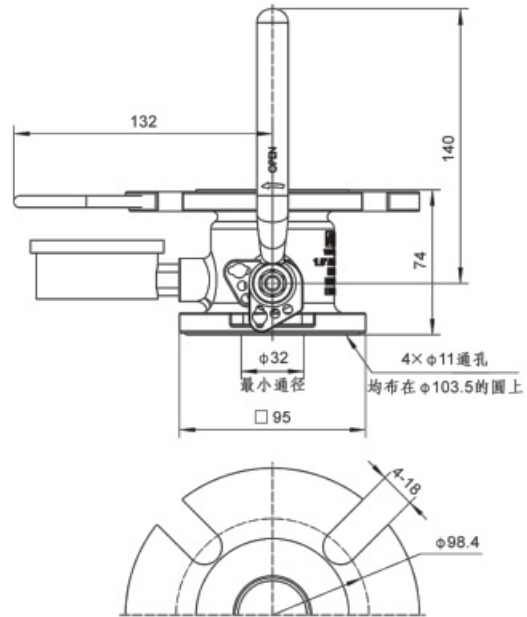
# 1.5" Flange Air Inlet Ball Valve



1.5" Flange Air Inlet Ball Valve—Flange Connection.  
With pressure gauge and protection connection and leading seal.

Option— Gauze filter and outlet connector.

## Fitting Details



Part No.: QKF04001-00

Connection:

Container Flange 4 × φ 11 × PCD103.5

Outlet, 4 × φ 18 槽孔 × PCD98.4

Nominal Diameter: 32mm

MAWP: 10Bar

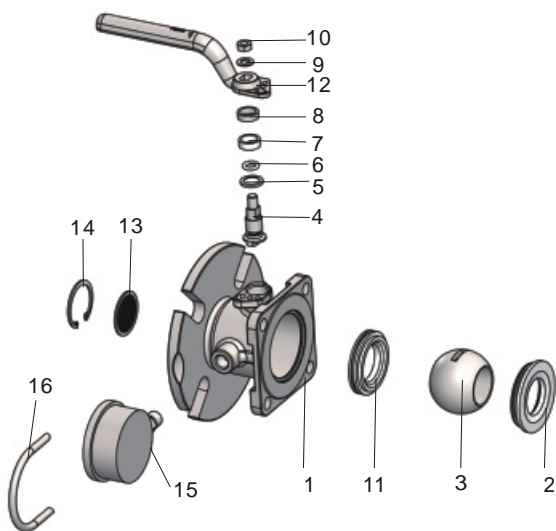
Contact Parts: 316

Seal: PTFE、Viton

Design Temperature: -40°C ~ 190°C

Weight: 2.6kg

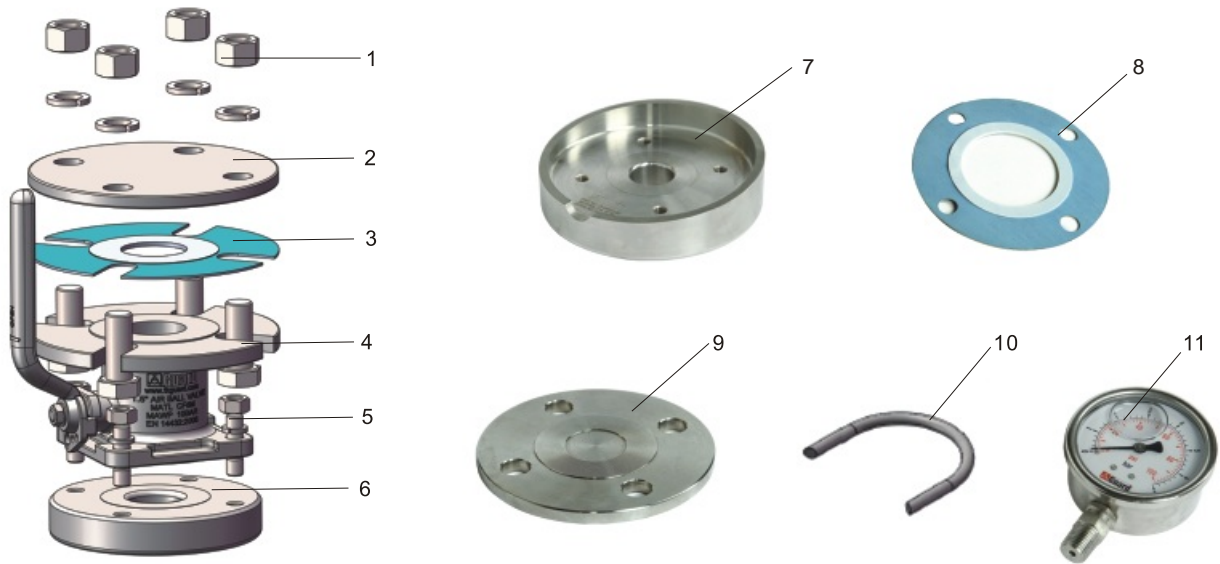
## Part Drawing



Parts marked in red belong to the seal kit SNSQ4001.  
Parts marked in blue belong to the seal kit SNMQ4001.

Item	Part No.	Description
1	QKF04001-01	Body
2	QKB04001-02	Ball Seal
3	QKB04001-03	Ball
4	QKB04001-04	Spindle
5	QKB04001-05	Bottom Bearing
6	853200009*2.65	O-Ring
7	QKB04001-06	Stuffing
8	QKB04001-07	Junk Ring
9	859810008	Washer
10	85984500M8	Nut
11	QKB04001-08	Ball Seal
12	QKF04001-02	Handle
13	QKB04001-14	Gauze Filter
14	8598150038	Snap Ring
15	WY07BB01 (按要求选择) Option	Pressure Gauge
16	ZKQ04002-03 (按要求选择) Option	Gauge Production

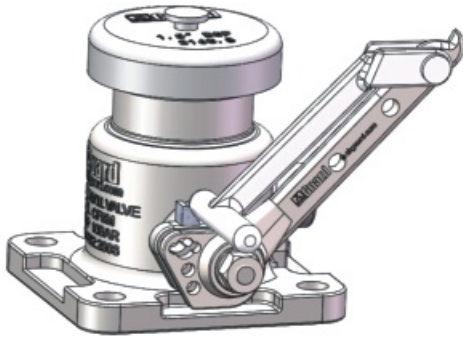
## Installation



Item	Part No.	Description
1	SNFA0014	Screw Kits 14
2	ZKQ04002-02	Blind Flange
3	ZKQ04002-01-00	Gasket
4	QKF04001-00	1.5" Flanged Air Inlet Ball Valve
5	SNFA0013	Screw Kits 13
6	ZKQ04001-01	Weld in Flange
7	ZKQ04001-02	Recess Flange
8	ZKQ04001-03-00	Gasket
9	ZKQ04001-04	Blind Flange
10	ZKQ04002-03 (按 要求 选择) Option	Gauge Protection
11	WY07BB01 (按 要求 选择) Option	Pressure Gauge

### Features

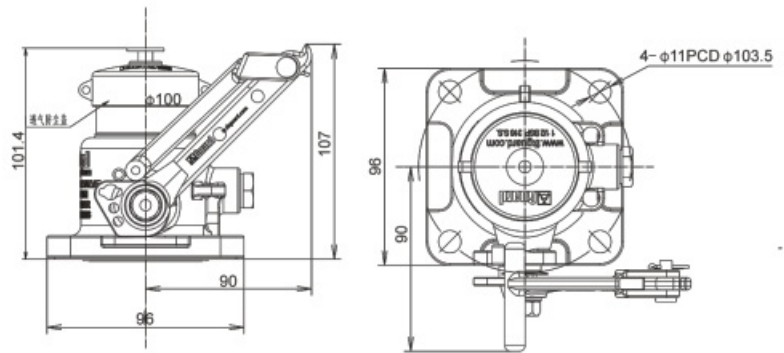
- \* With the floating ball seal and dual-seal the seal of the valves can be adjusted by tightening the screw kits.
- \* The outlet blind flange keeps polluted medium outside.



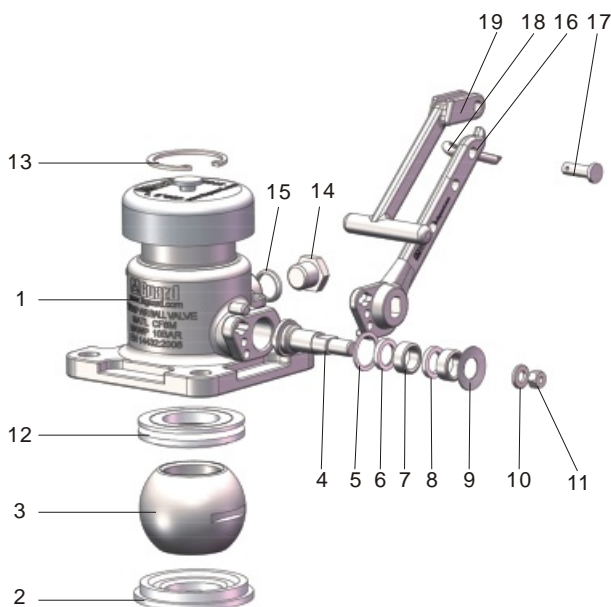
1.5" Interlock Linkage Air Ball Valve-1.5" BSP external thread connection. With pressure gauge and mounting hole for protection frame. The pressure gauge is mounted on the left side of the handle. The handle is equipped with lead sealing holes and interlock linkage installation hole, leading sealing hole as factory , customs and customer inspection.

### Fitting Details

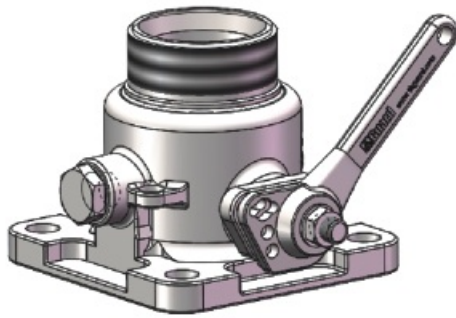
Part No.: QKB04019-00  
 Connection :  
 Container Flange 4 × φ 11 × PCD φ 103.5  
 Nominal Diameter: 29.3mm  
 Nominal Pressure: 10Bar  
 Design Temperature: - 40°C ~ +200°C  
 Contact Parts: CF8M  
 Seal: PTFE



### Part Drawing



Item	Part No.	Description
1	QKB04019-03-00	Body
2	FPK1-01	Rear Seal
3	FPK1-06	φ 54 × φ 29.3 Ball
4	FPK1-09	Spindle
5	FPK1-05	Gasket
6	FPK1-07	Spindle Packing
7	FPK1-04	Junk Ring
8	FPK1-03	Spindle Packing
9	FPK1-08	Washer
10	859810008	Washer
11	85984500M8	Capscrew
12	FPK1-02	Front Seal
13	QKB04012-03-00	Dust Cap
14	ZAB46501-13	Plug
15	ZAB46501-14	Washer
16	QKB04019-01	Handle
17	859860002*14	Hinge Pin
18	859864006*20	Split Pin
19	QKB04019-02	Handle



1.5" BSP Linkage Air Valve–1.5" BSP Linkage–1.5" BSP External thread outlet. With pressure gauge and mounting hole for protection frame. The pressure gauge is mounted on the left side of the handle. The handle is equipped with lead sealing holes and linkage installation hole, lead sealing hole as factory, customs and customer inspection. The linkage installation hole as the air valve and other valve body linkage installation hole.

Part No.: QKB04011-00

Connection :

Container Flange  $4 \times \phi 11 \times \text{PCD} \phi 103.5$

Outlet 1.5" BSP

Nominal Diameter: 32mm

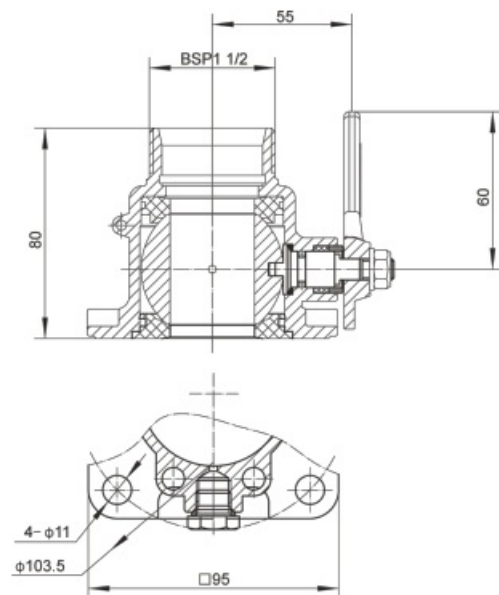
Nominal Pressure: 10Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

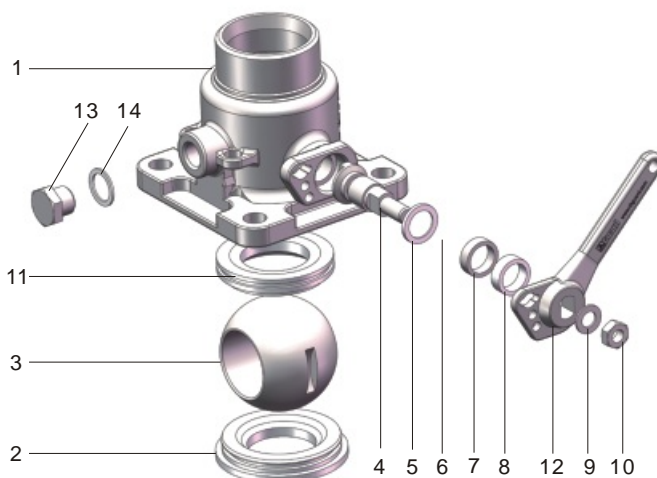
Contact Parts: CF3M

Seal: PTFE

## Fitting Details



## Part Drawing



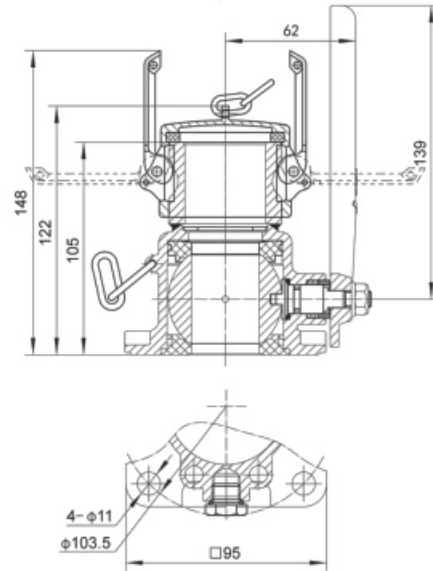
Item	Part No.	Description
1	QKB04001-01	Body
2	QKB04001-02	Ball Seal
3	QKB04001-03	Ball
4	QKB04001-04	Spindle
5	QKB04001-05	Bottom Bearing
6	853200009*2.65	O-Ring
7	QKB04001-06	Stuffing
8	QKB04001-07	Junk Ring
9	859810008	Washer
10	85984500M8	Nut
11	QKB04001-08	Ball Seal
12	QKB04001-11	Connecting Rod
13	ZAB46501-13	Plug
14	ZAB46501-14	Washer





1.5" Quick Connect Air Ball Valve-1.5" quick connect outlet. With pressure gauge and mounting hole for protection frame. The handle is equipped with lead sealing holes for factory, customs and customer inspection.

### Fitting Details



Part No.: QKK04001-00

Connection:

Container Flange  $4 \times \phi 11 \times \text{PCD } \phi 103.5$

Nominal Diameter: 32mm

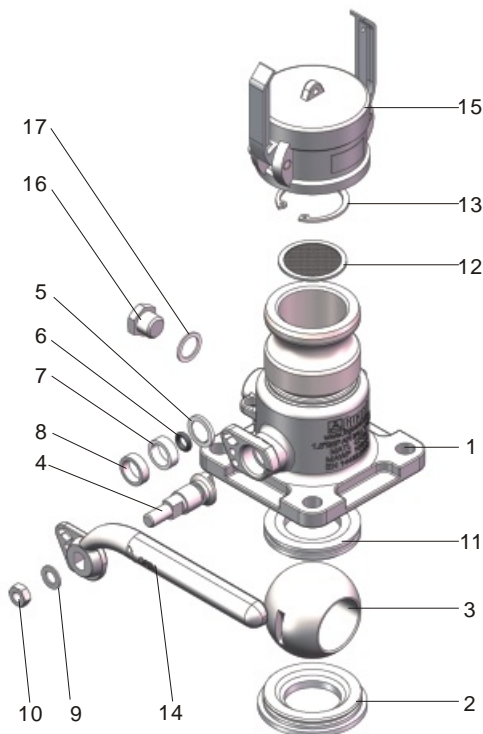
Nominal Pressure: 6Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

Contact Parts: CF8

Seal: PTFE

### Part Drawing

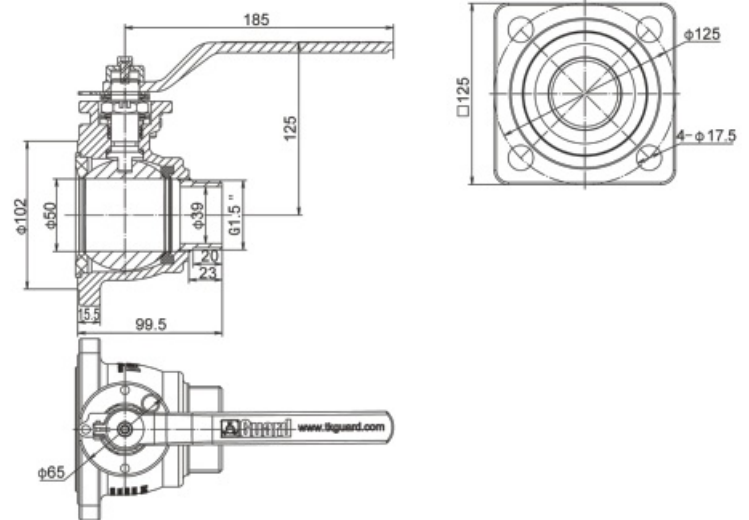


Item	Part No.	Description
1	QKK04001-01-00	Body
2	QKB04001-02	Ball Seal
3	QKB04001-03	S $\phi 54 \times \phi 32$ Ball
4	QKB04001-04	Spindle
5	QKB04001-05	Bottom Bearing
6	853200009*2.65	9*2.65 O-Ring
7	QKB04001-06	Stuffing
8	QKB04001-07	Junk Ring
9	859810008	Washer
10	85984500M8	Capscrew
11	QKB04001-08	Ball Seal
12	QKB04001-14	Gauze Filter
13	8598150038	Snap Ring
14	QKB04001-09	Handle
15	10404903-00	1.5" DC Quick Coupling
16	ZAB46501-13	Plug
17	ZAB46501-14	Washer



2" - 1.5" Air Ball Valve Flange end 2" to 1.5" BSP outlet end, with lead sealing hole. Sealing seat is suspension type, with double sealing function, through adjusting bolt to adjust valve seal.

### Fitting Details



Part No.: QLF75006-00

Connection:

Container Flange  $4 \times \phi 17.5 \times \text{PCD } \phi 125$

Outlet 1.5" BSP 螺纹

Nominal Diameter: 39mm

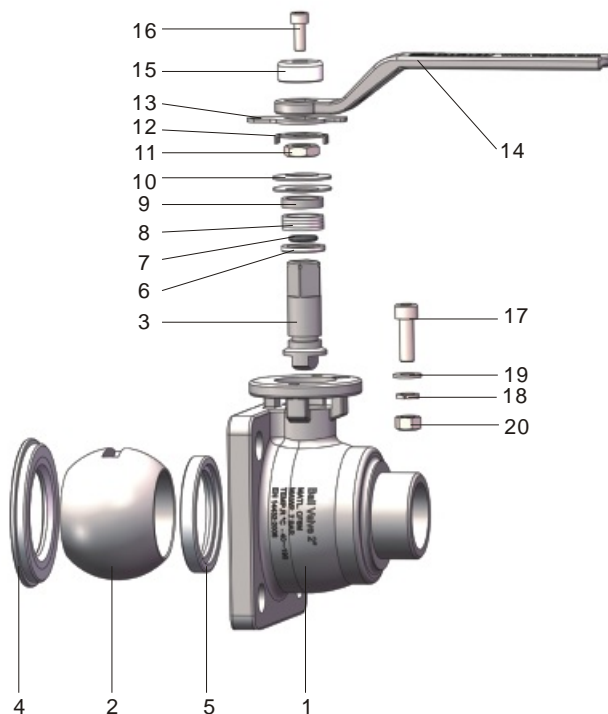
Nominal Pressure: 7Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +190^{\circ}\text{C}$

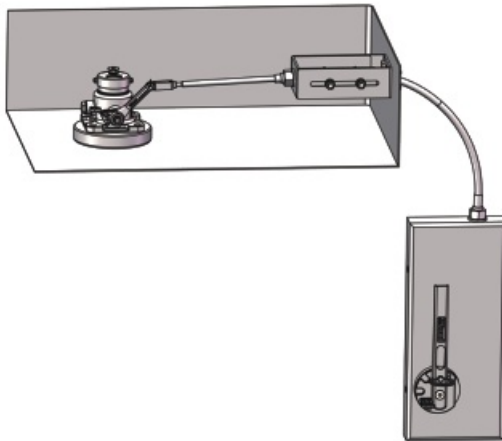
Contact Parts: CF8M

Seal: PTFE、VITON

### Part Drawing



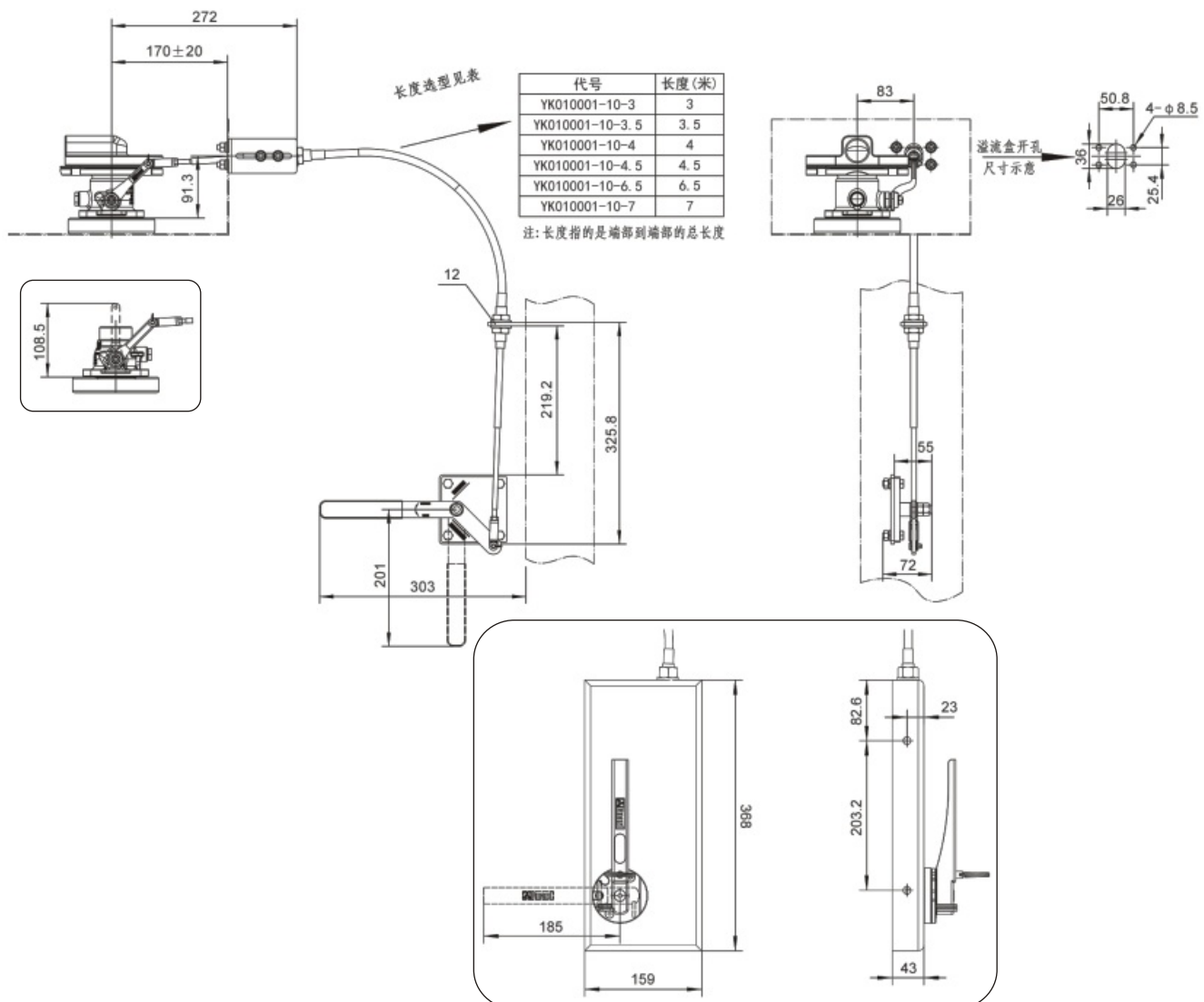
Item	Part No.	Description
1	QLF75006-01-00	Body
2	QLF65001-02	Ball
3	QLF75001-03	Spindle
4	QLF75001-04	Ball Seal
5	QLF75001-05	Ball Seal
6	QLF75001-06	Gasket
7	8532000014*2.65	O-Ring
8	QLF65001-08	Stuffing
9	QLF75001-08	Junk Ring
10	QLF65001-10	Belleville Washer
11	QLF65001-12	Nut
12	QLF65001-11	Plain Washer
13	QLF75001-12	Location Nut
14	QLF65001-13	Handle
15	QLF75001-13	Gland
16	85988100M3*10	Stop Bolt
17	85988100M8*25	Stop Bolt
18	85988100M8*25	Spring Washer
19	859810008	Washer
20	85984400M8	Nut



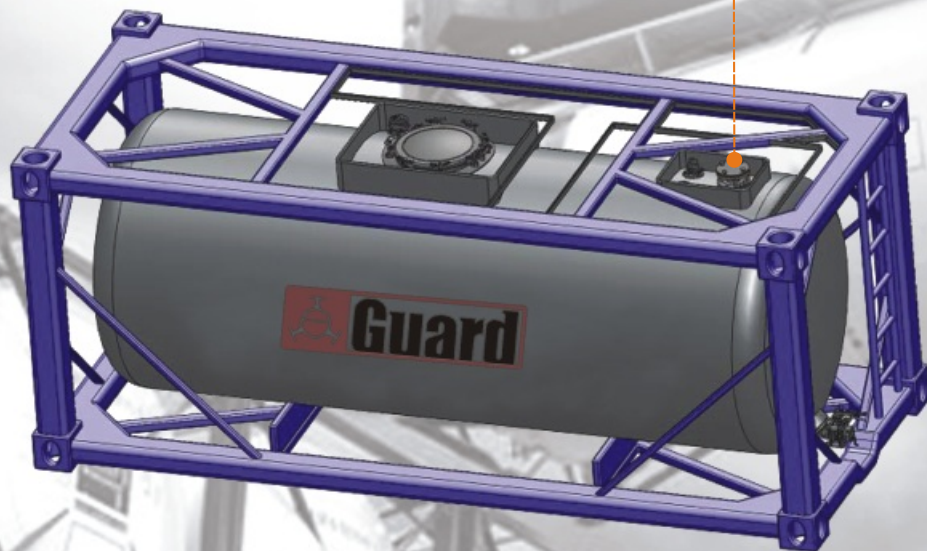
The Air Inlet Ball Valve Remote Control Device is designed to enable to operate the valve from the bottom. This saves operation time because nobody has to climb on the top of the container to operate the valves. The device includes a bottom operating assembly, a push-pull cable, top adjustment assembly and a handle to operate the valves.

Part No.: YK0X00XX-00

## Fitting Details



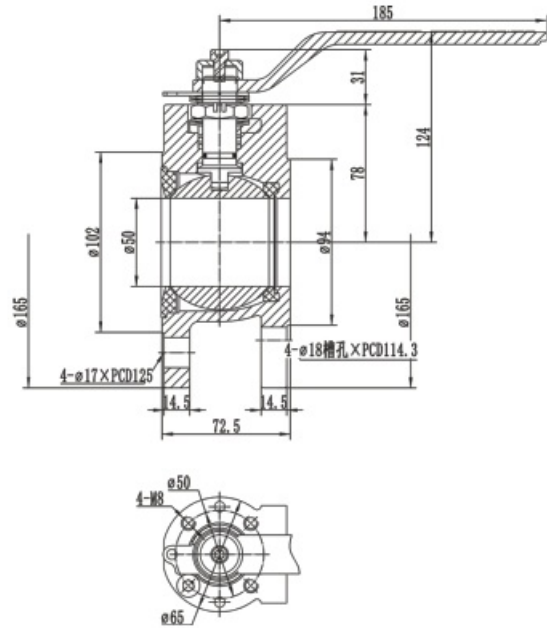
# Full Bore Ball Valve





2" Full Bore Ball Valve—Left open or Right open , with lead seal hole. The ball valve is used as top discharge manually or with actuators. With floating bottom ball seal and dual-seal, the seal of valves is adjusted by tightening the screw kits.

### Fitting Details



Part No. : QLF75001-00

Connection:

Container Flange 4 × φ 17 × PCD125

Outlet 4 × φ 18 槽孔 × PCD114.3

Nominal Diameter: 50mm

MAWP: 7Bar

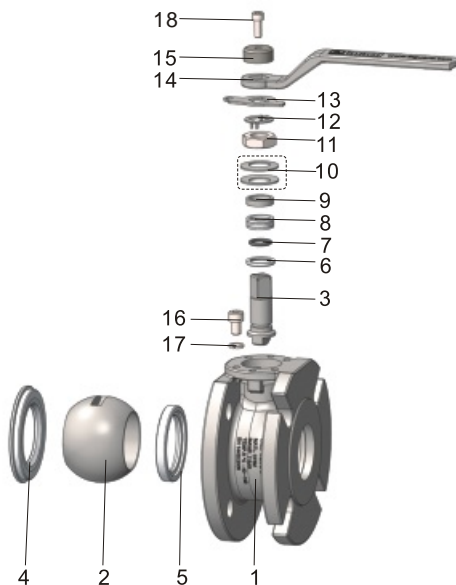
Contact Parts : 316

Seal: PTFE、Viton

Design Temperature: -40°C ~ 190°C

Weight: 5.9kg

### Part Drawing



Item	Part No.	Description
1	QLF75001-01	Body
2	QLF75001-02	Ball
3	QLF75001-03	Spindle
4	QLF75001-04	Ball Seal
5	QLF75001-05	Ball Seal
6	QLF75001-06	Bottom Bearing
7	8532000014*2.65	O-Ring
8	QLF6500108	Stuffing
9	QLF75001-08	Junk Ring
10	QLF75001-09	Belleville Washer
11	QLF6500112	Nut
12	QLF75001-11	Plain Washer
13	QLF75001-12	Location Nut
14	QLF6500113	Handle
15	QLF7500113	Full Bore Ball Valve Gland
16	85988100M8*12	Stop Bolt
17	859811008	Washer
18	85988100M6*16	Stop Bolt

Parts marked in red belong to the seal kit SNSQ5001.  
Parts marked in blue belong to the seal kit SNMQ5001.



3" -2" Full Bore Ball Valve—Left open or Right open , with lead seal hole. The ball valve is used as top discharge or air inlet valve manually or with actuators. With floating bottom ball seal and dual-seal, the seal of valves is adjusted by tightening the screw kits.

Part No.: QLF75002-00

Connection:

Container Flange  $6 \times \phi 14 \times \text{PCD}168$  (非均布)  
 $4 \times \phi 17 \times \text{PCD}160$

Outlet  $4 \times \phi 18$ 槽孔  $\times \text{PCD}114.3$

Nominal Diameter: 50mm

MAWP: 7Bar

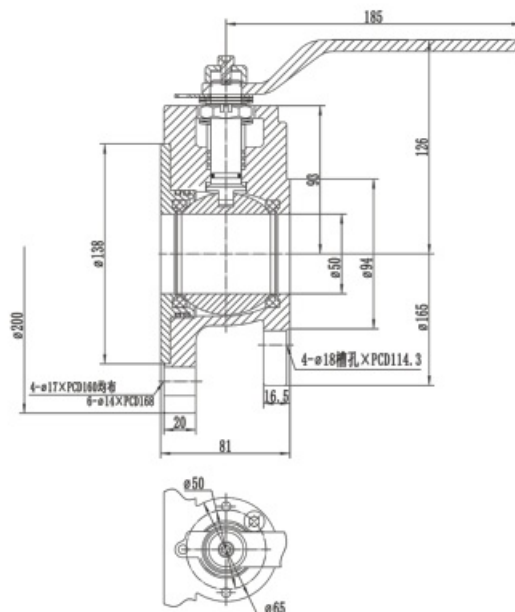
Contact Parts: 316

Seal: PTFE、Viton

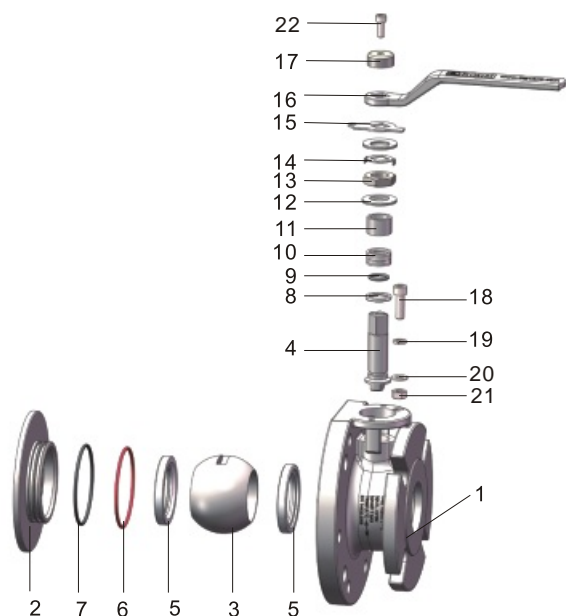
Design Temperature:  $-40^{\circ}\text{C} \sim 190^{\circ}\text{C}$

Weight: 6.9kg

## Fitting Details



## Part Drawing



Parts marked in red belong to the seal kit SNSQ5002.  
 Parts marked in blue belong to the seal kit SNMQ5002.

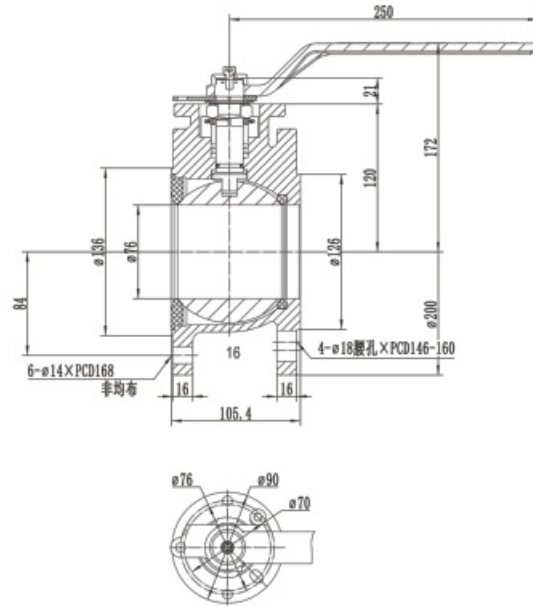
Item	Part No.	Description
1	QLF75002-01	Body
2	QLF75002-02	Plug
3	8299QLF6500102	Ball
4	QLF75002-03	Spindle
5	QLF75001-05	Ball Seal
6	8236QLF7500204	72.5*3.53 Encapsulated O-Ring
7	8532000070*3.55	70*3.55 O-Ring
8	QLF75001-06	Gasket
9	8532000014*2.65	O-Ring
10	8261QLF6500108	Stuffing
11	QLF75002-05	Junk Ring
12	8278QLF6500110	Belleville Washer
13	8298QLF6500112	Nut
14	8298QLF6500111	Plain Washer
15	QLF75001-12	Location Nut
16	8302QLF6500113	Handle
17	8298QLF7500113	Full Bore Ball Valve Gland
18	85988100M8*25	Stop Bolt
19	859811008	Spring Washer
20	859810008	Washer
21	85984400M8	Nut
22	85988100M6*16	Stop Bolt

# 3" Full Bore Ball Valve



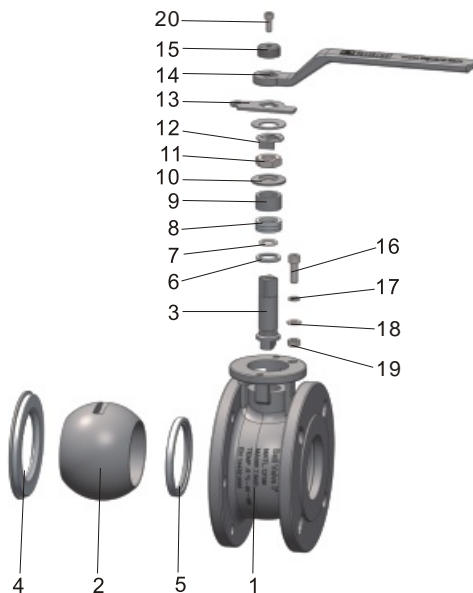
3" Full Bore Ball Valve—Left open or Right open , with lead seal hole. The ball valve is used as top discharge manually or with actuators. With floating bottom ball seal and dual-seal, the seal of valves is adjusted by tightening the screw kits.

## Fitting Details



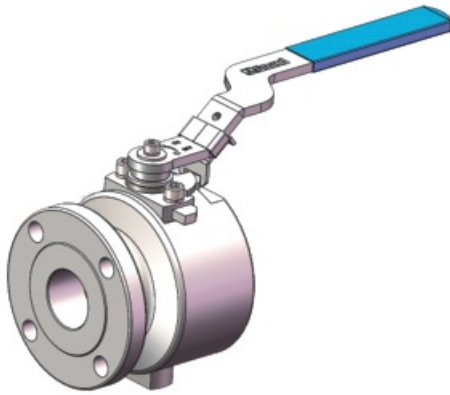
Part No. : QLF78001-00  
 Connection :  
 Container Flange 6 × φ 14 × PCD168 ( 非均布 )  
 Outlet 4 × φ 18 腰孔 × PCD146-160  
 Nominal Diameter: 76mm  
 MAWP: 7Bar  
 Contact Parts: 316  
 Seal: PTFE、Viton  
 Design Temperature: -40°C ~ 190°C  
 Weight: 11.4kg

## Part Drawing



Parts marked in red belong to the seal kit SNSQ8001.  
 Parts marked in blue belong to the seal kit SNMQ8001.

Item	Part No.	Description
1	QLF78001-01	Body
2	QLF78001-02	Ball
3	QLF78001-03	Spindle
4	QLF78001-04	Ball Seal
5	QLF78001-05	Ball Seal
6	QLF78001-06	Bottom Bearing
7	QLF78001-07	Viton, 16*3 O-Ring
8	QLF78001-08	Stuffing
9	QLF78001-09	Junk Ring
10	QLF78001-10	Belleville Washer
11	QLF6800112	Nut
12	QLF6800111	Plain Washer
13	QLF78001-12	Location Nut
14	QLF6800113	Handle
15	8298QLF6800116	Full Bore Ball Valve Gland
16	85988100M8*25	M8*25 Stop Bolt
17	859811008	Spring Washer
18	859810008	Washer
19	85984400M8	Nut
20	85988100M6*12	Stop Bolt



2" Hemispherical Hard Seal Ball Valve - left open, the sealing form is hard seal, the use of elastic, self-compensating seat structure to ensure reliable sealing, "double scraper" seat design, to provide effective self-cleaning function, to ensure that the seal will not be damaged, greatly extending the service life of the valve; ball using hemispherical structure, to prevent storage and difficult to open due to media crystallization; ball and seat using surface hardening treatment, to meet the high hardness, high temperature, wear and impact resistance of harsh working conditions.

Part No.: QLFC5003-00

Connection:

Container Flange  $4 \times \phi 18 \times \text{PCD}125$

Outlet  $4 \times \text{M}16 \times \text{PCD}125$

Nominal Diameter: 50mm

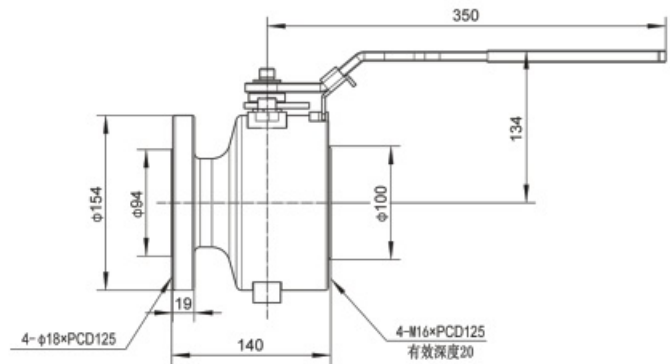
MAWP: 3Bar @200°C 16Bar @38°C

Design Temperature: - 40°C ~ + 200°C

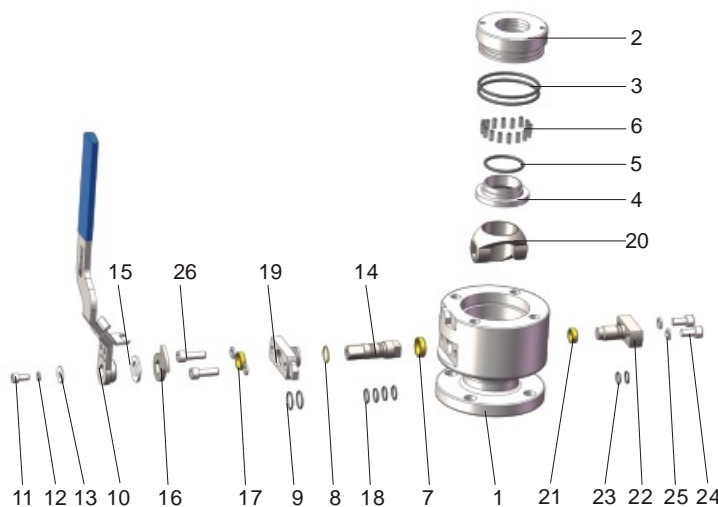
Contact Parts: 316L

Seal: F51

### Fitting Details

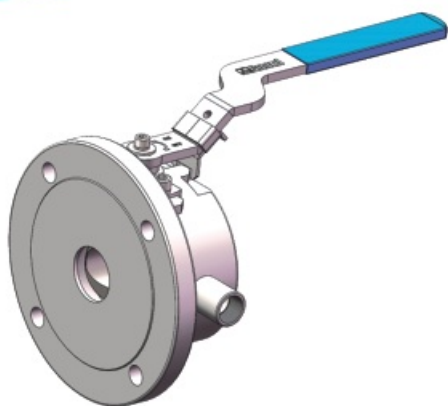


### Part Drawing



Item	Part No.	Description
1	QLFC5003-01	Body
2	QLFC5003-02	Plug
3	85A9000077.5*3.55	O-Ring
4	QLFC5003-03	Valve Seat
5	85A9000050*3.53	O-Ring
6	QLFC5003-05	Coil Compression Spring
7	QLFC5003-06	Top Bearing
8	QLFC5003-14	Brass Washer
9	85A9000022.4*1.8	O-Ring
10	QLFC5003-13-00	Handle Assembly
11	85988100M8*15	Capscrew
12	859811008	Spring Washer
13	859821008	Gasket
14	QLFC5003-07	Spindle
15	8598100020	Snap Ring
16	QLFC5003-08	Located Block
17	QLFC5003-15	Bonnet Bearing
18	85A9000017*1.8	O-Ring
19	QLFC5003-09	Bonnet
20	QLFC5003-10	Ball
21	QLFC5003-11	Bottom Bearing
22	QLFC5003-12	Lower Shaft
23	85A9000016*1.8	O-Ring
24	85988100M10*20	Capscrew
25	8598110010	Spring Washer
26	85988100M10*20	Capscrew





2" Hemispherical Hard Seal Ball Valve (With Heating) - left open, the sealing form is hard seal, the use of elastic, self-compensating seat structure to ensure reliable sealing, "double scraper" seat design, to provide effective self-cleaning function, to ensure that the seal will not be damaged, greatly extending the service life of the valve; ball using hemispherical structure, to prevent storage and difficult to open due to media crystallization; ball and seat using surface hardening treatment, to meet the high hardness, high temperature, wear and impact resistance of the harsh working conditions; valve body designed with heat-conducting oil heating circulation system, effective heating medium, smooth loading and unloading materials.

### Fitting Details

Part No.: QLFC5004-00

Connection:

Container Flange 4 × φ 18 × PCD190.2

Outlet 4 × M16 × PCD125

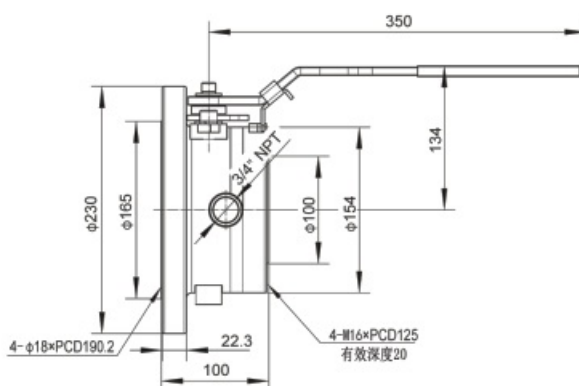
Nominal Diameter: 50mm

MAWP: 3Bar @200°C 16Bar @38°C

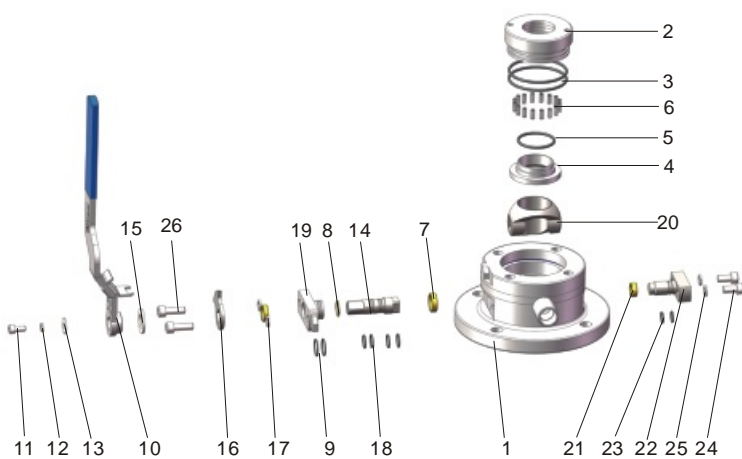
Design Temperature: - 40°C ~ + 200°C

Contact Parts: 316L

Seal: F51



### Part Drawing

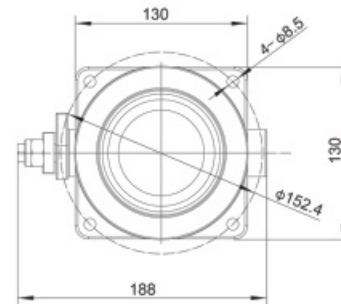
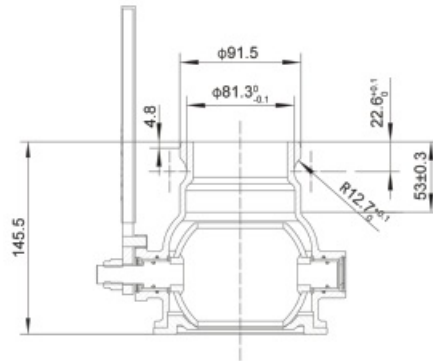


Item	Part No.	Description
1	QLFC5004-01-00	Body
2	QLFC5003-02	Plug
3	85A9000077.5*3.55	O-Ring
4	QLFC5003-03	Valve Seat
5	85A9000050*3.53	O-Ring
6	QLFC5003-05	Coil Compression Spring
7	QLFC5003-06	Top Bearing
8	QLFC5003-14	Brass Washer
9	85A9000022.4*1.8	O-Ring
10	QLFC5003-13-00	Handle Assembly
11	85988100M8*15	Capscrew
12	859811008	Spring Washer
13	859821008	Gasket
14	QLFC5003-07	Spindle
15	8598100020	Snap Ring
16	QLFC5003-08	Located Block
17	QLFC5003-15	Bonnet Bearing
18	85A9000017*1.8	O-Ring
19	QLFC5003-09	Bonnet
20	QLFC5003-10	Ball
21	QLFC5003-11	Bottom Bearing
22	QLFC5003-12	Lower Shaft
23	85A9000016*1.8	O-Ring
24	85988100M10*20	Capscrew
25	8598110010	Spring Washer
26	85988100M10*20	Capscrew



2.5" Fixed Ball Valve-Inlet flange  $4 \times \phi 8.5$ mm are all distributed on the  $\phi 152.4$  circles, outlet 3" DC connection. Sealing material can be PTFE and natural white rubber optional. Valve can be left open and right open selection.

### Fitting Details



Part No.: QL566501-00

Connection:

Container Flange  $4 \times \phi 8.5$ PCD152.4

Outlet 3" Quick Coupling

Nominal Diameter: 65mm

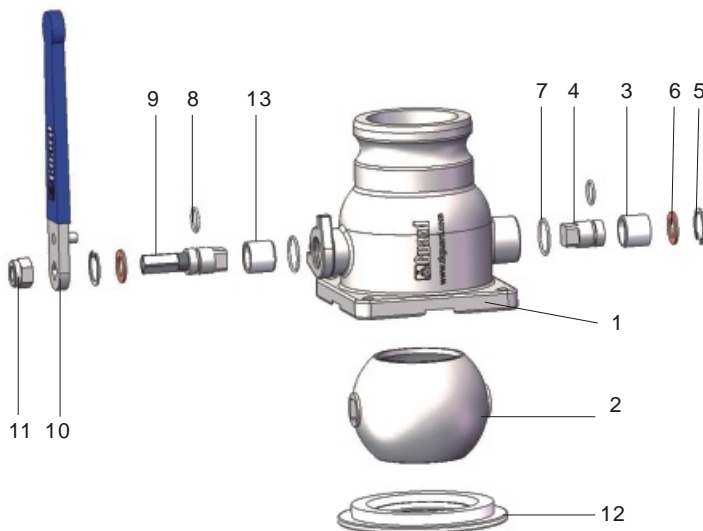
Nominal Pressure: 6Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

Contact Parts: CF8M

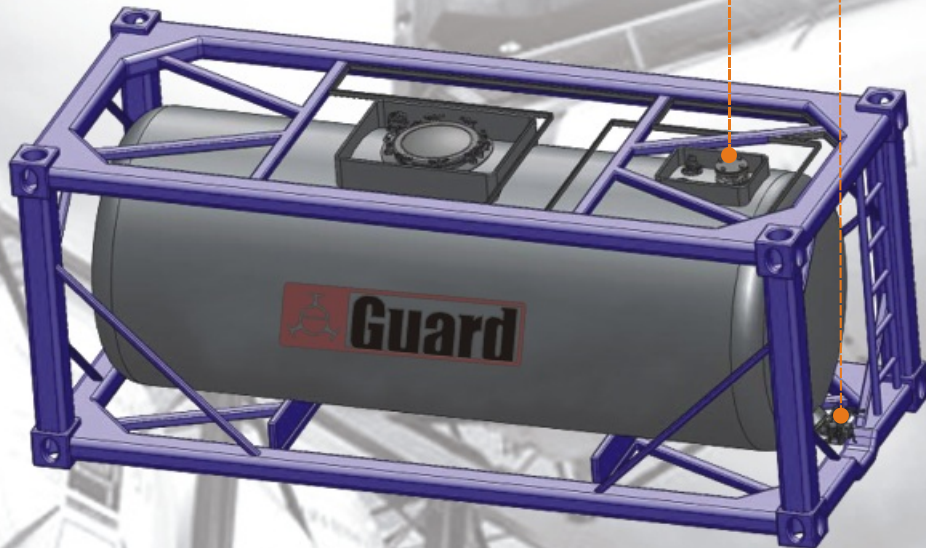
Seal: PTFE, NR

### Part Drawing



Item	Part No.	Description
1	QL566501-01	Body
2	QL566501-02-00	Ball
3	QL566501-03	PTFE Bearing
4	QL566501-04	Spindle
5	8598150025	Snap Ring
6	QL566501-05	Washer
7	8532000025*1.8	O-Ring
8	8532000016*1.8	O-Ring
9	QL566501-06	Spindle
10	QL566501-09	Handle
11	85985400M14	Nut
12	QL566501-08	Main Seal
13	QL566501-10	Bearing

# Butterfly Valve

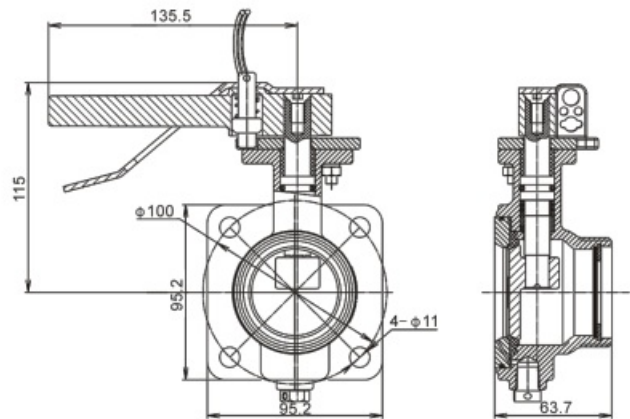




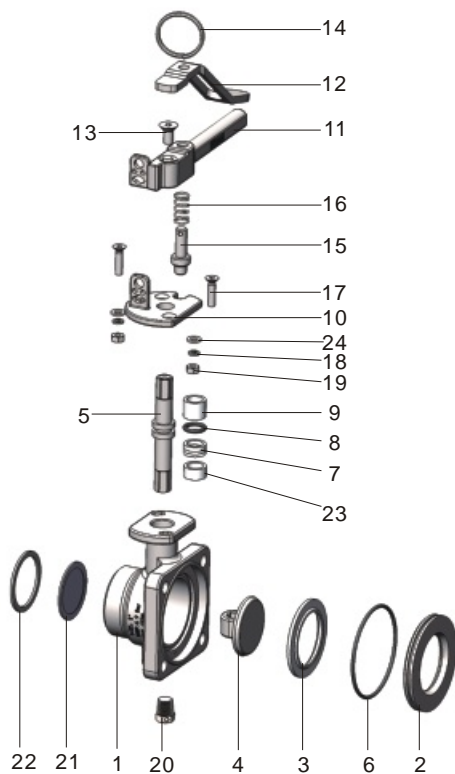
2" Air Inlet Butterfly Valve—Left open, with lead seal hole, location pin and Multistage seal on spindle, prevents leaks during transport.

### Fitting Details

Part No. : DKB75001-00  
 Connection:  
 Container Flange 4× φ11×PCD100mm  
 Outlet 2" BSP  
 Nominal Diameter: 46.5mm  
 Nominal Pressure: 6.9Bar  
 Contact Parts: 316  
 Fitted with PTFE seal  
 Design Temperature: -40°C ~ 200°C



### Part Drawing



注：可提供维修阀门所使用的零件。  
 Note: Spare parts for repair are available separately.

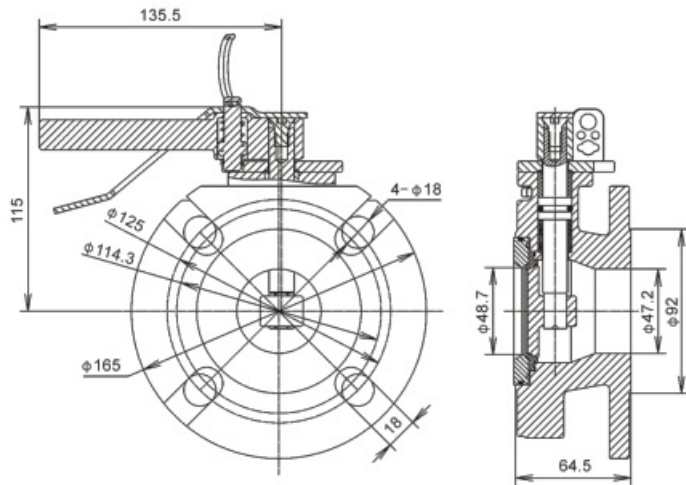
Item	Part No.	Description
1	DKB75001-01	Body
2	DKB75001-02	Seal Clamp Plate
3	DKB75001-03	Main Seal
4	DKB75001-04	Closure Plate
5	HDD48001-03	Spindle
6	DKB75001-10	O-Ring
7	DLJ68001-18	Spindle Packing
8	DLJ68001-10	O-Ring
9	DLJ68001-09	Split Bearing
10	DKB75001-09	Stuffing Clamp
11	DKB75001-06	Handle
12	DKB75001-07	Operating Lever
13	859888001M8*16	Countersunk Setscrew
14	DLJ68001-16	Split Ring
15	DLJ68001-14	Handle Location Pin
16	DLJ68001-15	Handle Location Spring
17	85988300M6*25	Countersunk Setscrew
18	859811006	Spring Washer
19	85984400M6	Nut
20	ZAB46501-04-03	Plug
21	DKB75001-05	Gauze Filter
22	8599150050	Snap Ring
23	DLJ68001-19	Bearing
24	859810006	Plain Washer

# 2" Flange Air Inlet Butterfly Valve



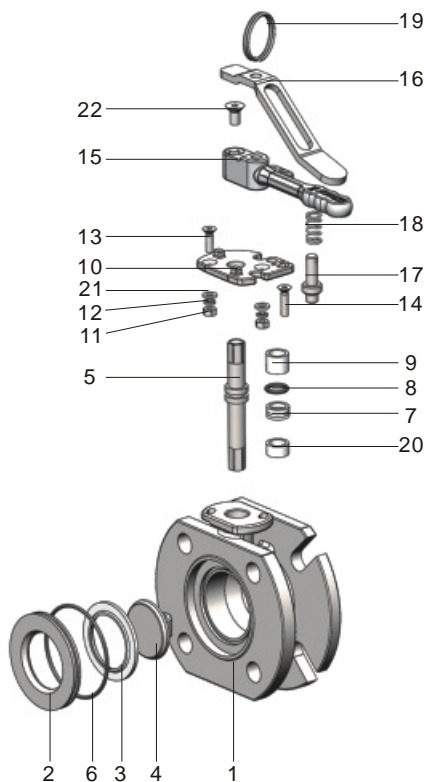
2" Flanged Air Inlet Butterfly Valve—outlet flange drilled 4 × φ 18 holes equi-spaced on a 114.3-125mm PCD, Complete with 1/4" pressure gauge connection and TIR facility to handle. Contact parts in 316 stainless steel with PTFE seal.

## Fitting Details



Part No. : DKF75001-00  
 Connection: Container Flange 4 × φ 18 × PCD125  
 Outlet 腰孔 4 × φ 18 × PCD114.3  
 Nominal Diameter: 48.7mm  
 Nominal Pressure: 6.9Bar  
 Contact Parts: 316  
 Fitted with PTFE seal  
 Design Temperature: -40°C ~ 200°C

## Part Drawing



Item	Part No.	Description
1	DKF75001-01	Body
2	DKB75001-02	Seal Clamp Plate
3	DKB75001-03	Main Seal
4	DKB75001-04	Closure Plate
5	DKB75001-11	Spindle
6	DKB75001-10	O-Ring
7	DLJ68001-18	Packing
8	DLJ68001-10	O-Ring
9	DLJ68001-09	Split Bearing
10	DKB75001-09	Stuffing Clamp
11	85984100M6	Nut
12	859811006	Spring Washer
13	85988300M6*25	Sockethead Capscrew
14	85988300M6*20	Countersunk Setscrew
15	DKB75001-06	Handle
16	DKB75001-07	Operating Lever
17	DLJ68001-14	Handle Location Pin
18	DLJ68001-15	Handle Location Spring
19	DLJ68001-16	Split Ring
20	DLJ68001-19	PTFE Bearing
21	859810006	Washer
22	85988800M8*16	Countersunk Setscre

Note: Spare parts for repair are available separately.



2" Air Inlet Butterfly Valve–Inlet  $4 \times \phi 11 \times \text{PCD}100$ , outlet 2" DC CamLock, by adjusting the bolt to adjust the valve seal, the main seal is PTFE seat.

Part No.: DKK75001-00

Connection:

Container Flange  $4 \times \phi 11 \times \text{PCD} \phi 100$

Outlet 2" Quick Coupling

Nominal Diameter: 48mm

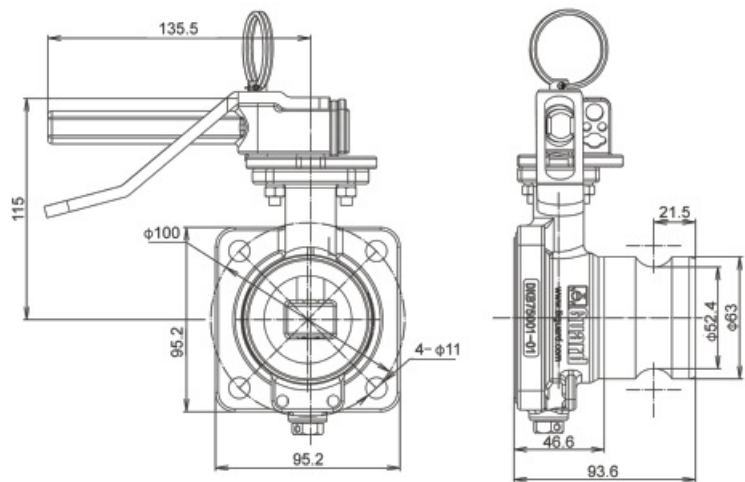
Nominal Pressure: 6.9Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

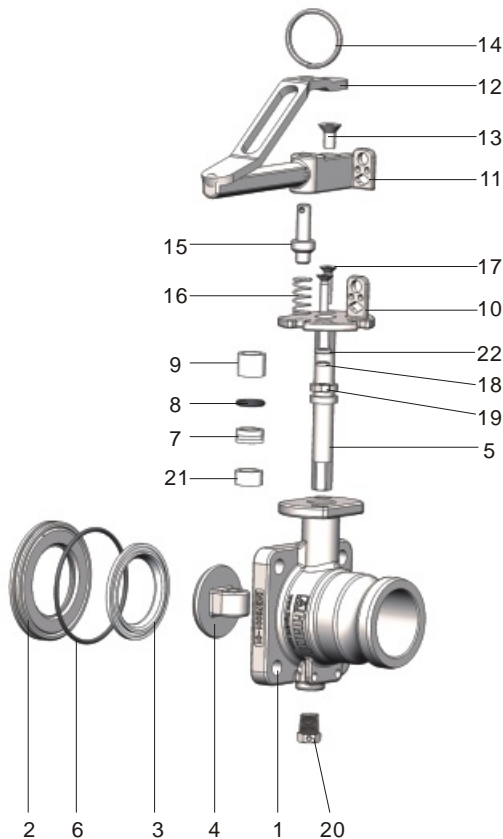
Contact Parts: CF8M

Seal: PTFE、VITON

## Fitting Details



## Part Drawing

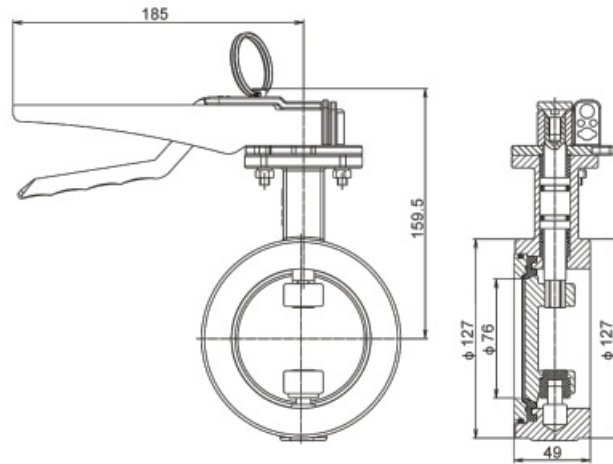


Item	Part No.	Description
1	DKK75001-01-00	Body
2	DKB75001-02	Seal Clamp Plate
3	DKB75001-03	Main Seal
4	DKB75001-04	Closure Plate
5	DKB75001-11	Spindle
6	DKB75001-10	O-Ring
7	DLJ68001-18	Spindle Packing
8	DLJ68001-10	O-Ring
9	DLJ68001-09	Split Bearing
10	DKB75001-13	Stuffing Clamp
11	DKB75001-12	Handle
12	DKB75001-07	Operating Lever
13	85988800M8*16	Countersunk Setscrew
14	DLJ68001-16	Split Ring
15	DLJ68001-14	Handle Location Pin
16	DLJ68001-15	Handle Location Spring
17	85988300M6*25	Sockethead Capscrew
18	859811006	Spring Washer
19	85984400M6	Nut
20	ZAB46501-13	Plug
21	DLJ68001-19	PTFE Bearing
22	859810006	Plain Washer



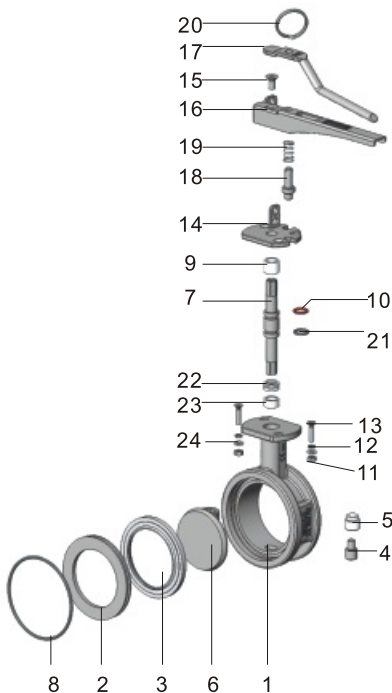
3" | Clamped Butterfly Valve— Left open, with lead seal hole , location pin and Multistage seal on spindle, prevents leaks during transport.

### Fitting Details



Part No. : DLJ68001-00  
 Connection: Flange, Bolt 4×M16  
 Nominal Diameter: 80mm  
 Nominal Pressure: 6Bar  
 Contact Parts: 316  
 Fitted with PTFE seal  
 Design Temperature: -40°C ~ 200°C  
 Weight: 3.42kg

### Part Drawing



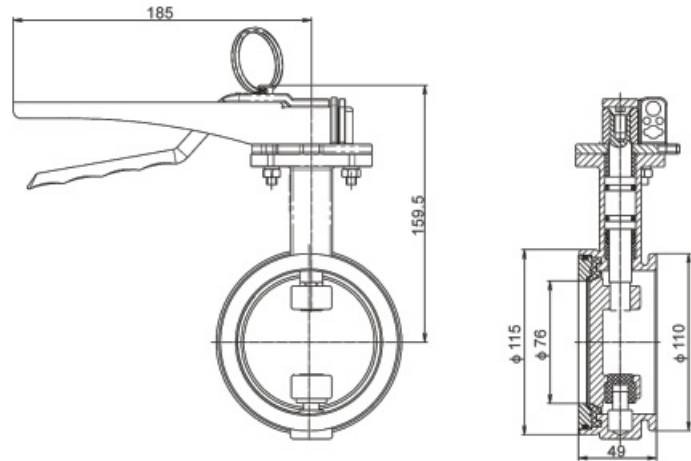
Item	Part No.	Description
1	DLJ68001-01	Body
2	DLJ68001-02	Seal Clamp Plate
3	DLJ68001-03	Main Seal
4	DLJ68001-04	Bottom Spindle
5	DLJ68001-05	Bottom Bush
6	DLJ68001-06	Closure Plate
7	DLJ68001-07	Spindle
8	DLJ68001-08	O-Ring
9	DLJ68001-09	Split Bearing
10	DLJ68001-10	O-Ring
11	85984400M6	Nut
12	859811006	Spring Washer
13	85988800M6*25	Countersunk Setscrew
14	DLJ68001-11	Stuffing Clamp
15	85988800M8*16	Countersunk Setscrew
16	DLJ68002-12	Handle
17	DLJ68002-13	Operating Lever
18	DLJ68001-14	Handle Location Pin
19	DLJ68001-15	Handle Location Spring
20	DLJ68001-16	Split Ring
21	DLJ68001-17	Encapsulated O-Ring
22	DLJ68001-18	Spindle Packing
23	DLJ68001-19	Bearing
24	859810006	Plain Washer

Parts marked in red belong to the seal kit SNSD8001.  
 Parts marked in blue belong to the seal kit SNMD8001.



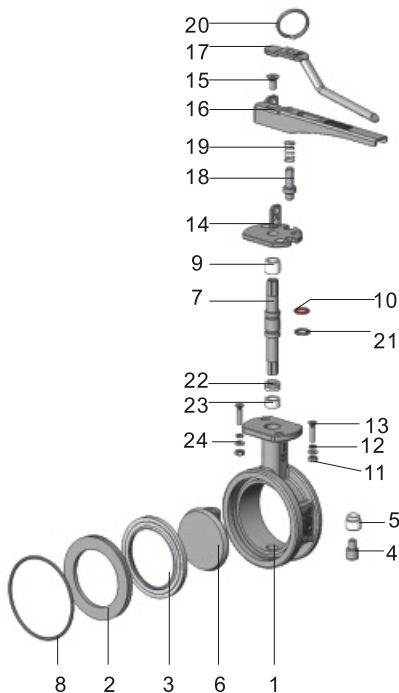
3" II Clamped Butterfly Valve—Left open, with lead seal hole, location pin and Multistage seal on spindle, prevents leaks during transport.

## Fitting Details



Part No.: DLJ68002-00  
 Connection: Flange, Bolt 4×M16  
 Nominal Diameter: 80mm  
 Nominal Pressure: 6Bar  
 Contact Parts: 316  
 Fitted with PTFE seal  
 Design Temperature: -40°C ~ 200°C  
 Weight: 2.8kg

## Part Drawing



Parts marked in red belong to the seal kit SNSD8001.  
 Parts marked in blue belong to the seal kit SNMD8001.

Item	Part No.	Description
1	DLJ68002-01	Body
2	DLJ68001-02	Seal Clamp Plate
3	DLJ68001-03	Main Seal
4	DLJ68001-04	Bottom Spindle
5	DLJ68001-05	Bottom Bush
6	DLJ68001-06	Closure Plate
7	DLJ68001-07	Spindle
8	DLJ68001-08	O-Ring
9	DLJ68001-09	Split Bearing
10	DLJ68001-10	O-Ring
11	85984400M6	Nut
12	859811006	Spring Washer
13	85988800M6*25	Countersunk Setscrew
14	DLJ68001-11	Stuffing Clamp
15	85988800M8*16	Countersunk Setscrew
16	DLJ68002-12	Handle
17	DLJ68002-13	Operating Lever
18	DLJ68001-14	Handle Location Pin
19	DLJ68001-15	Handle Location Spring
20	DLJ68001-16	Split Ring
21	DLJ68001-17	Encapsulated O-Ring
22	DLJ68001-18	Spindle Packing
23	DLJ68001-19	PTFE Bearing
24	859810006	Plain Washer



# 3" Flanged Butterfly Valve



3" Flanged Butterfly Valve—Left open, with lead seal hole, location pin and multi stage seal on spindle. Prevents leaks during transport. Can be used as both top and bottom discharge.

Part No.: DLF68001-00

Connection :

Inlet  $4 \times \phi 18 \times \text{PCD } \phi 160$

$6 \times \phi 14 \times \text{PCD } \phi 168$  (非均布)

Outlet, 腰孔  $4 \times \phi 18 \times \text{PCD } 146$

Nominal Diameter: 80mm

Nominal Pressure: 6Bar

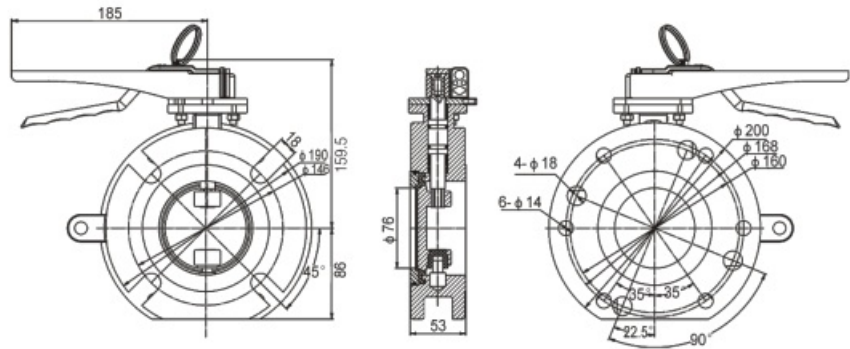
Contact Parts: 316

Fitted with PTFE seal

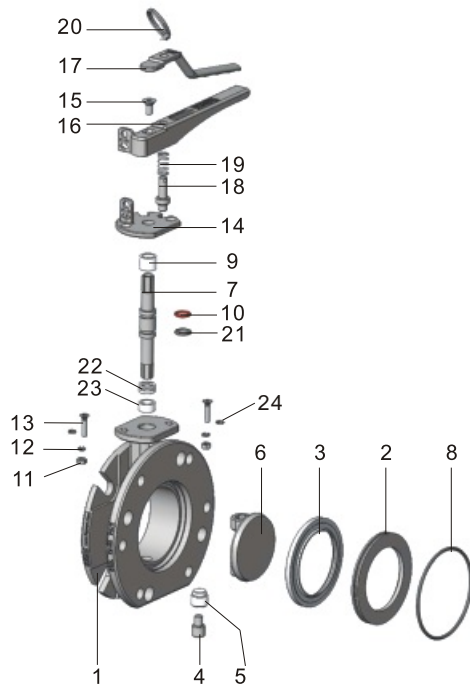
Design Temperature:  $-40^{\circ}\text{C} \sim 200^{\circ}\text{C}$

Weight: 6.2kg

## Fitting Details



## Part Drawing



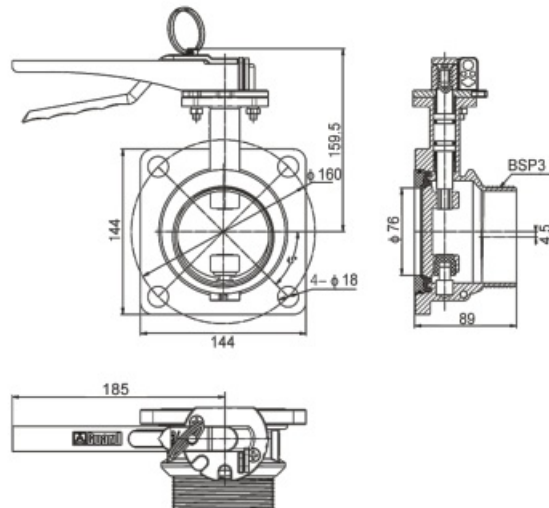
Parts marked in red belong to the seal kit SNSD8001.  
Parts marked in blue belong to the seal kit SNMD8001.

Item	Part No.	Description
1	DLF68001-01	Body
2	DLJ68001-02	Seal Clamp Plate
3	DLJ68001-03	Main Seal
4	DLJ68001-04	Bottom Spindle
5	DLJ68001-05	Bottom Bush
6	DLJ68001-06	Closure Plate
7	DLJ68001-07	Spindle
8	DLJ68001-08	O-Ring
9	DLJ68001-09	Split Bearing
10	DLJ68001-10	O-Ring
11	85984400M6	Nut
12	859811006	Spring Washer
13	85988800M6*25	Countersunk Setscrew
14	DLJ68001-11	Stuffing Clamp
15	85988800M8*16	Countersunk Setscrew
16	DLJ68002-12	Handle
17	DLJ68002-13	Operating Lever
18	DLJ68001-14	Handle Location Pin
19	DLJ68001-15	Handle Location Spring
20	DLJ68001-16	Split Ring
21	DLJ68001-17	Encapsulated O-Ring
22	DLJ68001-18	Spindle Packing
23	DLJ68001-19	PTFE Bearing
24	859810006	Plain Washer



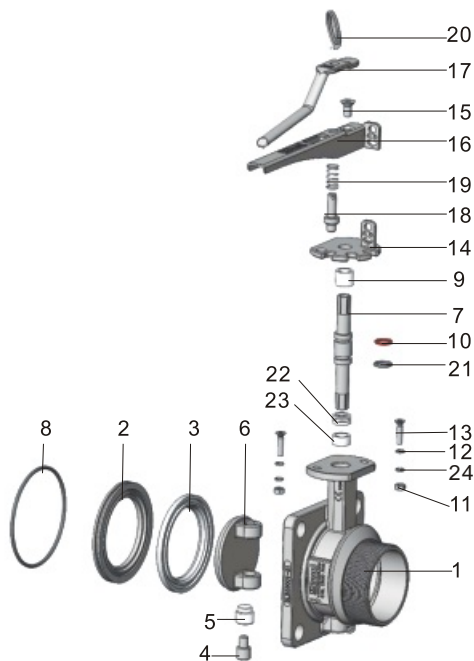
3" | Unify Butterfly Valve—Inlet  $4 \times \phi 18 \times \text{PCD}160$ ,  
Outlet 3" BSP . Left open, with lead seal hole , location pin  
and Multistage seal on spindle.

### Fitting Details



Part No.: DLB68001-00  
 Connection: Inlet  $4 \times \phi 18 \times \text{PCD}160$   
 Outlet, 3" BSP  
 Nominal Diameter: 80mm  
 Nominal Pressure: 6Bar  
 Contact Parts: 316  
 Fitted with PTFE seal  
 Design Temperature:  $-40^{\circ}\text{C} \sim 200^{\circ}\text{C}$   
 Weight: 3.9kg

### Part Drawing



Parts marked in red belong to the seal kit SNSD8001.  
 Parts marked in blue belong to the seal kit SNMD8001.

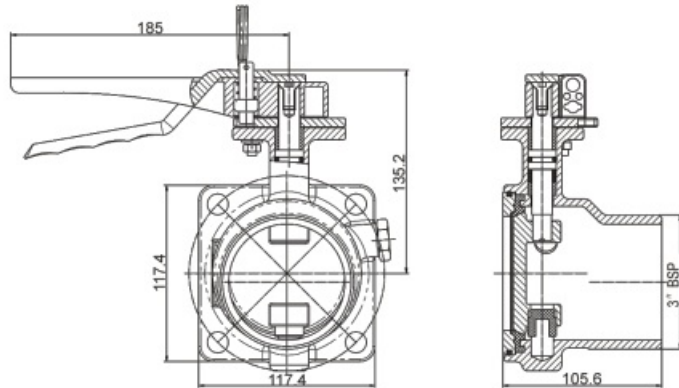
Item	Part No.	Description
1	DLB68001-01	Body
2	DLJ68001-02	Seal Clamp Plate
3	DLJ68001-03	Main Seal
4	DLJ68001-04	Bottom Spindle
5	DLJ68001-05	Bottom Bush
6	DLJ68001-06	Closure Plate
7	DLJ68001-07	Spindle
8	DLJ68001-08	O-Ring
9	DLJ68001-09	Split Bearing
10	DLJ68001-10	O-Ring
11	85984400M6	Nut
12	859811006	Spring Washer
13	85988800M6*25	Countersunk Setscrew
14	DLJ68001-11	Stuffing Clamp
15	85988800M8*16	Countersunk Setscrew
16	DLJ68002-12	Handle
17	DLJ68002-13	Operating Lever
18	DLJ68001-14	Handle Location Pin
19	DLJ68001-15	Handle Location Spring
20	DLJ68001-16	Split Ring
21	DLJ68001-17	Encapsulated O-Ring
22	DLJ68001-18	Spindle Packing
23	DLJ68001-19	Bearing
24	859810006	Plain Washer

# 3" II Unify Butterfly Valve



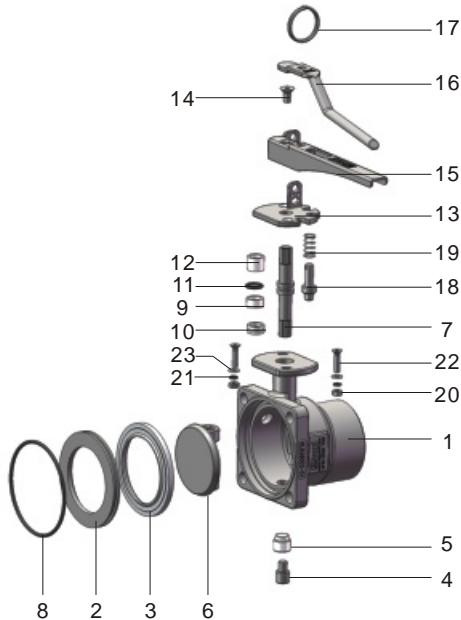
3" II Unify Butterfly Valve—Inlet 4 × φ 14 × PCD130, Outlet 3" BSP. Left open, with lead seal hole, location pin and Multistage seal on spindle, prevents leaks during transport.

## Fitting Details



Part No. : DLB68002-00  
 Connection: Inlet 4 × φ 14 × PCD130  
 Outlet 3" BSP  
 Nominal Diameter: 80mm  
 Nominal Pressure: 6Bar  
 Contact Parts: 316  
 Fitted with PTFE seal  
 Design Temperature: -40°C ~ 200°C

## Part Drawing



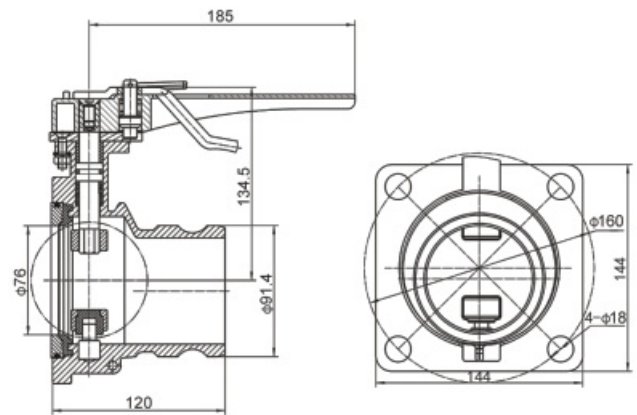
Parts marked in red belong to the seal kit SNSD8001.  
 Parts marked in blue belong to the seal kit SNMD8001.

Item	Part No.	Description
1	DLB68002-01	Body
2	DLJ68001-02	Seal Clamp Plate
3	DLJ68001-03	Main Seal
4	DLJ68001-04	Bottom Spindle
5	DLJ68001-05	Bottom Bush
6	DLJ68001-06	Closure Plate
7	HDD48001-03	Spindle
8	DLJ68001-08	O-Ring
9	DLJ68001-19	PTFE Bearing
10	DLJ68001-18	Packing
11	DLJ68001-10	O-Ring
12	DLJ68001-09	Split Bearing
13	DLJ68001-11	Stuffing Clamp
14	85988800M8*16	Countersunk Setscrew
15	DLJ68001-12	Handle
16	DLJ68001-13	Operating Lever
17	DLJ68001-16	Split Ring
18	DLJ68001-14	Handle Location Pin
19	DLJ68001-15	Handle Location Spring
20	85984400M6	Nut
21	859811006	Spring Washer
22	85988800M6*25	Countersunk Setscrew
23	859810006	Plain Washer



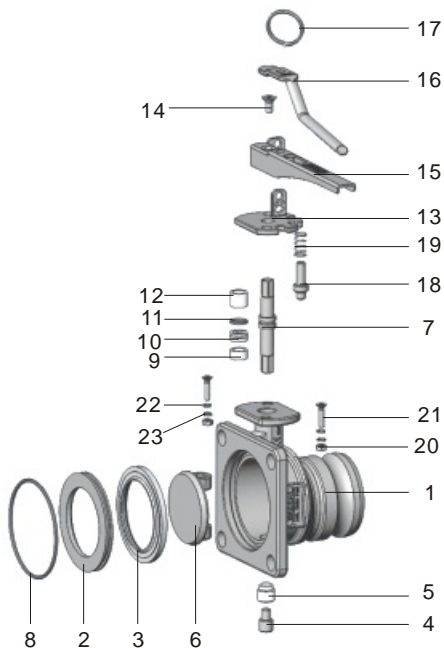
3" Cam lock Unify Butterfly Valve—Inlet  $4 \times \phi 18 \times \text{PCD}160$ , Outlet 3" DC Cam Lock. Left open, with lead seal hole, location pin and Multistage seal on spindle, prevents leaks during transport.

## Fitting Details



Part No. : DLK68001-00  
 Connection: Inlet  $4 \times \phi 18 \times \text{PCD}160$   
 Outlet, 3" DC  
 Nominal Diameter: 80mm  
 Nominal Pressure: 6Bar  
 Contact Parts: 316  
 Fitted with PTFE seal  
 Design Temperature:  $-40^{\circ}\text{C} \sim 200^{\circ}\text{C}$

## Part Drawing



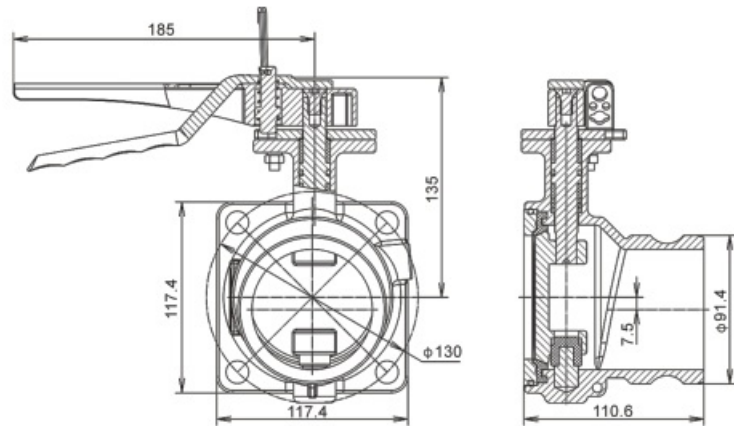
Parts marked in red belong to the seal kit SNSD8001.  
 Parts marked in blue belong to the seal kit SNMD8001.

Item	Part No.	Description
1	DLK68001-01	Body
2	DLJ68001-02	Seal Clamp Plate
3	DLJ68001-03	Main Seal
4	DLJ68001-04	Bottom Spindle
5	DLJ68001-05	Bottom Bush
6	DLJ68001-06	Closure Plate
7	HDD48001-03	Spindle
8	DLJ68001-08	O-Ring
9	DLJ68001-19	PTFE Bearing
10	DLJ68001-18	Packing
11	DLJ68001-10	O-Ring
12	DLJ68001-09	Split Bearing
13	DLJ68001-11	Stuffing Clamp
14	85988800M8*16	Countersunk Setscrew
15	DLJ68002-12	Handle
16	DLJ68002-13	Operating Lever
17	DLJ68001-16	Split Ring
18	DLJ68001-14	Handle Location Pin
19	DLJ68001-15	Handle Location Spring
20	85984400M6	Nut
21	85988800M6*25	Countersunk Setscrew
22	859811006	Spring Washer
23	859810006	Plain Washer



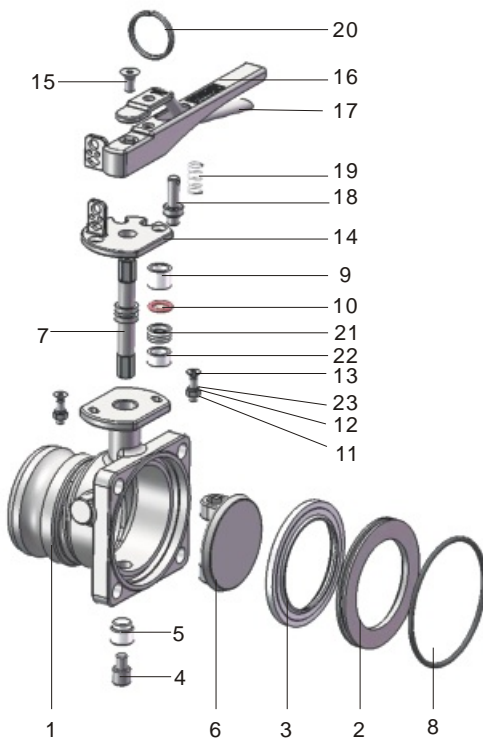
3" II Cam Lock Unify Butterfly Valve—Inlet flange drilled 4×  
 $\phi$  14 holes equi-spaced on a 130mm PCD; DC outlet, Left hand  
 operated with TIR handle. Contact parts in 316 stainless steel  
 with PTFE seal.

### Fitting Details



Part No. : DLK68002-00  
 Connection: Inlet 4 ×  $\phi$  14 × PCD130  
 Outlet, DC  
 Nominal Diameter: 80mm  
 Nominal Pressure: 6Bar  
 Contact Parts: 316  
 Seal: PTFE、Viton  
 Design Temperature: -40°C ~ 200°C

### Part Drawing



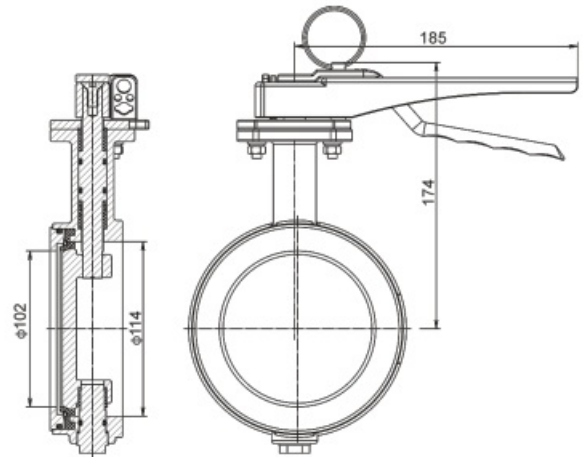
Note: Spare parts for repair are available separately.

Item	Part No.	Description
1	DLK68002-01	Body
2	DLJ68001-02	Seal Clamp Plate
3	DLJ68001-03	Main Seal
4	DLJ68001-04	Bottom Spindle
5	DLJ68001-05	Bottom Bush
6	DLJ68001-06	Closure Plate
7	HDD48001-03	Spindle
8	DLJ68001-08	O-Ring
9	DLJ68001-09	Split Bearing
10	DLJ68001-10	O-Ring
11	85984400M6	Nut
12	859811006	Spring Washer
13	85988800M6*25	Countersunk Setscrew
14	DLJ68001-11	Stuffing Clamp
15	85988800M8*16	Countersunk Setscrew
16	DLJ68002-12	Handle
17	DLJ68002-13	Operating Lever
18	DLJ68001-14	Handle Location Pin
19	DLJ68001-15	Handle Location Spring
20	DLJ68001-16	Split Ring
21	DLJ68001-18	Spindle Packing
22	DLJ68001-19	PTFE Bearing
23	859810006	Washer



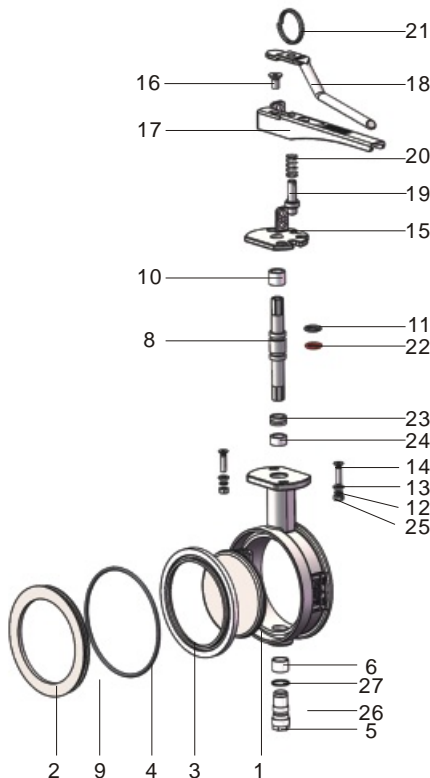
4" Clamped Butterfly Valve—Left hand operated with TIR to handle. Contact parts in 316 stainless steel with PTFE main seal.

## Fitting Details



Part No. : DLJ64C01-00  
 Connection: Clamped  
 Nominal Diameter: 100mm  
 Nominal Pressure: 6Bar  
 Contact Parts: 316  
 Seal: PTFE  
 Design Temperature: -40°C ~ 200°C

## Part Drawing



Note: Spare parts for repair are available separately.

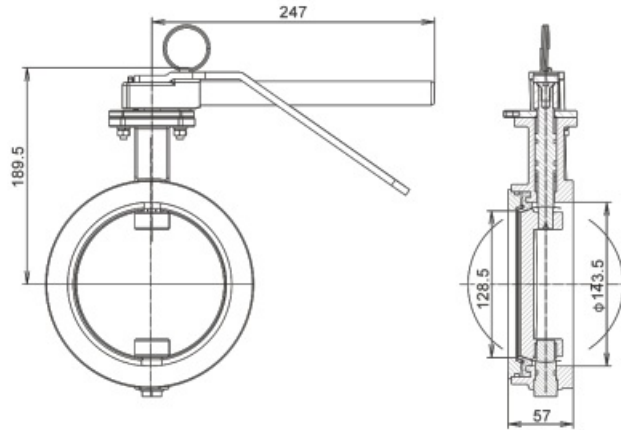
Item	Part No.	Description
1	DLJ64C01-01	Body
2	DLJ64C01-02	Seal Clamp Plate
3	DLJ64C01-03	Main Seal
4	DLJ64C01-08	U-Ring
5	DLJ64C01-09	Bottom Spindle
6	DLJ64C01-06	Bottom Bush
7	DLJ64C01-04	Closure Plate
8	DLJ68001-07	Spindle
9	85320000110*3.55	O-Ring
10	DLJ68001-09	Split Bearing
11	DLJ68001-10	O-Ring
12	85984400M6	Nut
13	859811006	Spring Washer
14	85988800M6*25	Countersunk Setscrew
15	DLJ68001-11	Stuffing Clamp
16	85988800M8*16	Countersunk Setscrew
17	DLJ68002-12	Handle
18	DLJ68002-13	Operating Lever
19	DLJ68001-14	Handle Location Pin
20	DLJ68001-15	Handle Location Spring
21	DLJ68001-16	Split Ring
22	DLJ68001-17	Encapsulated O-Ring
23	DLJ68001-18	Spindle Packing
24	DLJ68001-19	PTFE Bearing
25	859810006	Washer
26	8532000014*2.65	O-Ring
27	DLJ64C01-07	Bottom Bearing

# 5" Clamped Butterfly Valve



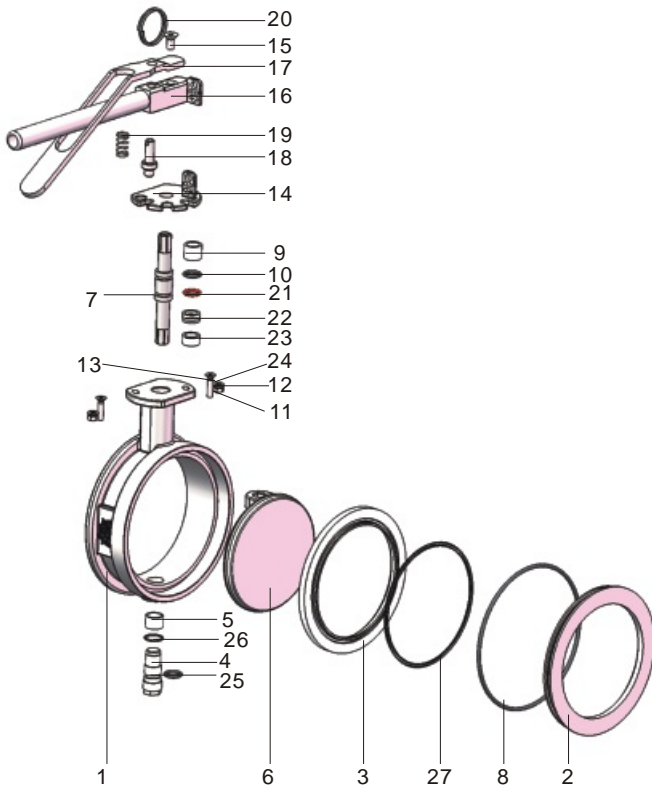
5" Clamped Butterfly Valve—Left hand operated with TIR to handle. Contact parts in 316 stainless steel with PTFE main seal.

## Fitting Details



Part No. : DLJ65C01-00  
 Connection: Clamped  
 Nominal Diameter: 125mm  
 Nominal Pressure: 4Bar  
 Contact Parts: 316  
 Seal: PTFE  
 Design Temperature: -40°C ~ 200°C

## Part Drawing



Note: Spare parts for repair are available separately.

Item	Part No.	Description
1	DLJ65C01-01	Body
2	DLJ65C01-02	Seal Clamp Plate
3	DLJ65C01-03	Main Seal
4	DLJ65C01-10	Bottom Spindle
5	DLJ64C01-06	Bottom Bush
6	DLJ65C01-04	Closure Plate
7	DLJ68001-07	Spindle
8	85320000110*3.55	O-Ring
9	DLJ68001-09	Split Bearing
10	DLJ68001-10	O-Ring
11	85984400M6	Nut
12	859811006	Spring Washer
13	85988800M6*25	Countersunk Setscrew
14	DLJ68001-11	Stuffing Clamp
15	85988800M8*16	Countersunk Setscrew
16	DLJ65C01-06-00	Handle
17	DLJ65C01-07	Operating Lever
18	DLJ68001-14	Handle Location Pin
19	DLJ68001-15	Handle Location Spring
20	DLJ68001-16	Split Ring
21	DLJ68001-17	Encapsulated O-Ring
22	DLJ68001-18	Spindle Packing
23	DLJ68001-19	PTFE Bearing
24	859810006	Washer
25	8532000014*2.65	O-Ring
26	DLJ64C01-07	Bottom Bearing
27	DLJ65C01-09	U-Ring





# Bottom Discharge





3" 30° Foot Valve—Inlet flange drilled 4 × φ 18mm and 8 × φ 14mm holes equi-spaced on a PCD 178mm, Outlet flange drilled 4 × φ 18mm holes equi-spaced on a PCD 160mm.

Option-Shutting-off device for emergency and fusible link.

### Fitting Details

Part No. : JS368002-00

Connection:

Flange drilled 4 × φ 18 × PCD178, 8 × φ 14 × PCD178

Outlet 4 × φ 18 × PCD160

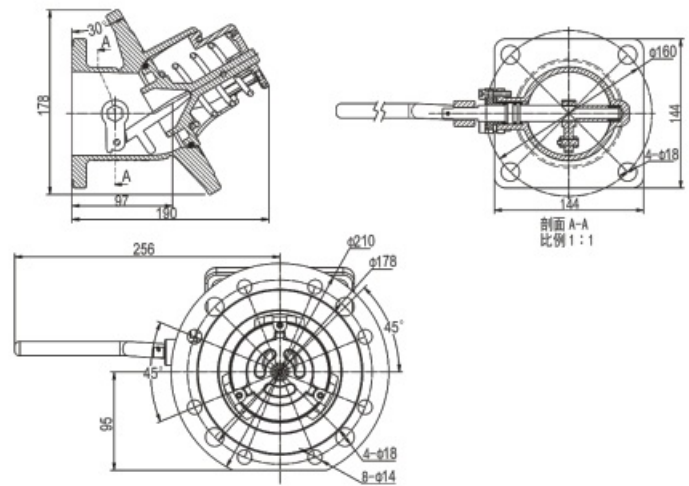
Nominal Diameter: 80mm

Nominal Pressure: 6Bar

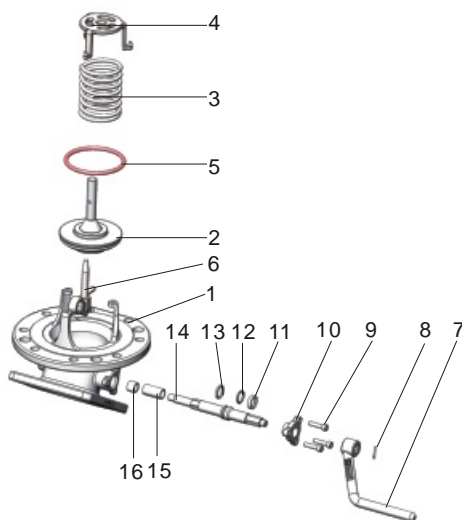
Contact Parts: 316

Fitted with FEP/Silicon Encapsulated O-Ring

Design Temperature: -40°C ~ 200°C



### Part Drawing



Parts marked in red belong to the seal kit SNSJ8001.  
Parts marked in blue belong to the seal kit SNMJ8001.

Item	Part No.	Description
1	JS368002-01	Body
2	JS468001-02	Solid Poppet
3	JS468001-03	Spring
4	JS468002-04	Spring Top Plate
5	JS468001-05	Encapsulated O-Ring
6	JS468001-06-00	Crank Block Assembly
7	JS468001-07	Handle
8	GB/T91-2000	Split Pin
9	85988100M6*25	Capscrew
10	JS368001-08	Stuffing Clamp
11	JS468001-09	Spindle Packing
12	JS468001-10	O-Ring
13	JS468001-11	Spindle Packing
14	JS468001-12	Spindle
15	JS468001-13	Location Tube
16	JS468001-14	PTFE Crankshaft end Bush



3" 30° Foot Valve With Heating—Heating for the transport of fluids that require it.

Option-Shutting-off device for emergency and fusible link.

Part No. : JS368003-00

Connection:

Flange drilled  $4 \times \phi 18 \times \text{PCD}178$ ,  $8 \times \phi 14 \times \text{PCD}178$

Outlet  $4 \times \phi 18 \times \text{PCD}160$

Nominal Diameter: 80mm

Nominal Pressure: 6Bar

Contact Parts: 316

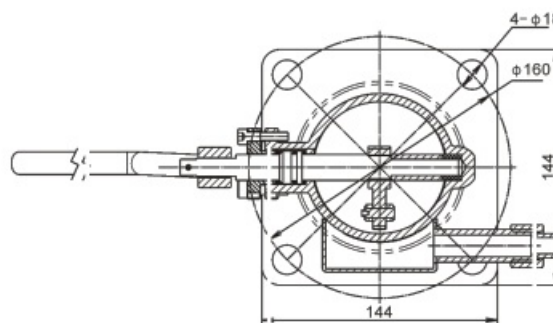
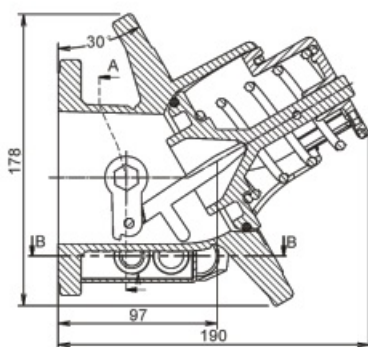
Fitted with FEP/Silicon Encapsulated O-Ring

Design Temperature:  $-40^{\circ}\text{C} \sim 200^{\circ}\text{C}$

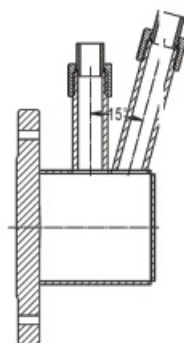
## Range

Part No.	Description
JS468003-00	3" 45° Foot valve with Heating

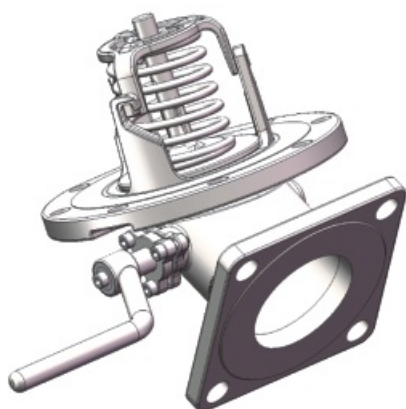
## Fitting Details



剖面 A-A  
比例尺 1:1



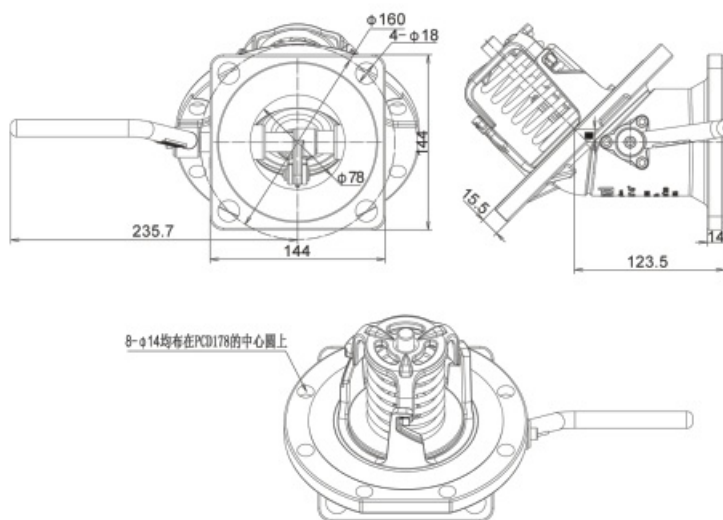
# 3" 45° Foot Valve (left open)



3" 45° Foot Valve (left open)—Flange drilled 8 × φ 14 × PCD 178. Outlet 4 × φ 18 × PCD160.

Option-Shutting-off device for emergency and fusible link.

## Fitting Details



Part No. : JS468026-00

Connection:

Flange drilled 8 × φ 14 × PCD178

Outlet 4 × φ 18 × PCD160

Nominal Diameter: 80mm

Nominal Pressure: 6Bar

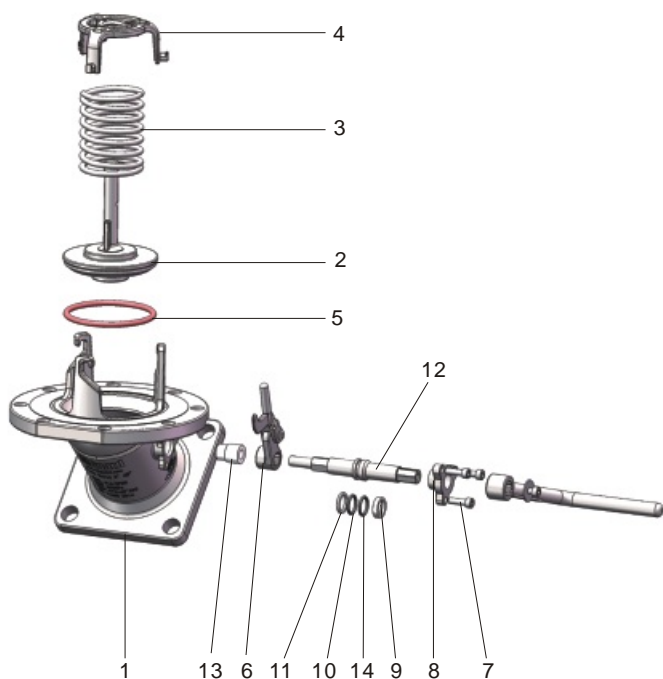
Contact Parts: 316

Fitted with FEP/Silicon Encapsulated O-Ring

Design Temperature: -40°C~200°C

Weight: 7.8kg

## Part Drawing



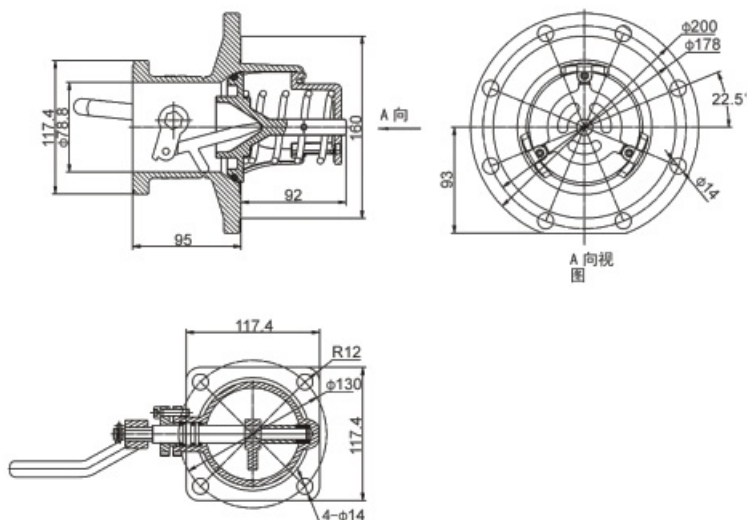
Item	Part No.	Description
1	JS46802605	Body (left open)
2	JS46800902	Solid Poppet
3	JS46800103	Spring
4	JS46800903	spring top plate
5	JS46800105	81.92*5.33 O-ring
6	JS4680260200	Crank Block Assembly (left open)
7	8100M6*20	M6*20 Screw
8	JS36800108	Stuffing Clamp
9	JS46800109	Spindle Packing
10	JS46800110	15.54*2.62 O-ring
11	JS46800111	Spindle Packing
12	JS46800904	Spindle
13	JS46800905	Crankshaft End Bush
14	DLJ6800117	13.4*3 O-ring



3" 180° Foot Valve—Inlet flange drilled 8 × φ 14mm holes equi-spaced on a PCD 178mm, Outlet flange drilled 4 × φ 14mm holes equi-spaced on a PCD 130mm.

Option-Shutting-off device for emergency and fusible link.

### Fitting Details



Part No. : JS168001-00

Connection:

Flange drilled 8 × φ 14 × PCD178

Outlet 4 × φ 14 × PCD130

Nominal Diameter: 80mm

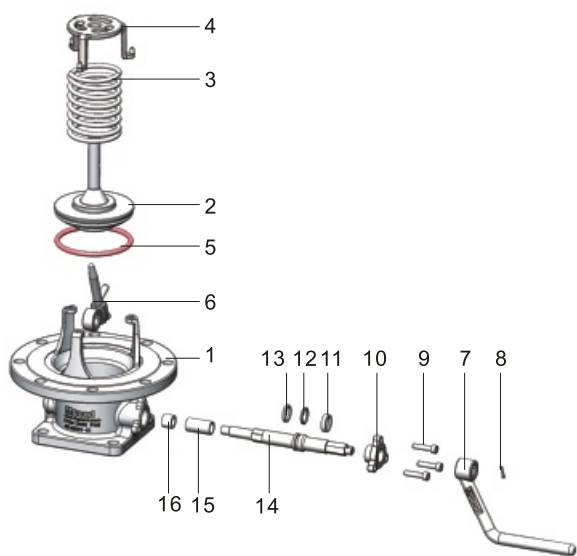
Nominal Pressure: 6Bar

Contact Parts: 316

Fitted with FEP/Silicon Encapsulated O-Ring

Design Temperature: -40°C ~ 200°C

### Part Drawing



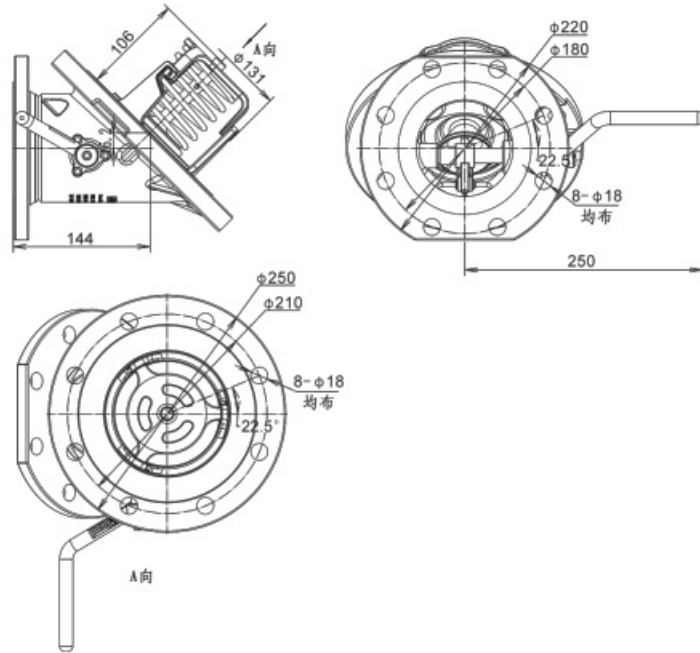
Parts marked in red belong to the seal kit SNSJ8001.  
Parts marked in blue belong to the seal kit SNMJ8001..

Item	Part No.	Description
1	JS168001-01	Body
2	JS468001-02	Solid Poppet
3	JS468001-03	Spring
4	JS468002-04	Spring Top Plate
5	JS468001-05	Encapsulated O-Ring
6	JS168002-03-00	Crank Block Assembly
7	JS468001-07	Handle
8	GB/T91	Split Pin
9	85988100M6*25	Capscrew
10	JS368001-08	Stuffing Clamp
11	JS468001-09	Spindle Packing
12	JS468001-10	O-Ring
13	JS468001-11	阀杆小密封圈 Spindle Packing
14	JS468001-12	Spindle
15	JS468001-13	Location Tube
16	JS468001-14	Crankshaft end Bush PTFE



4" 45° Foot Valve—inlet flange drilled 8 × φ 18 holes equi-spaced on a 210mm PCD; outlet flange drilled 8 × φ 18 holes equi-spaced on a 180mm PCD. Contact parts in 316 stainless steel with FEP/Silicon seal.

### Fitting Details



Part No. : JS464C01-00

Connection:

Flange Drilled: 8 × φ 18 × PCD210

Outlet: 8 × φ 18 × PCD180

Nominal Diameter: DN100

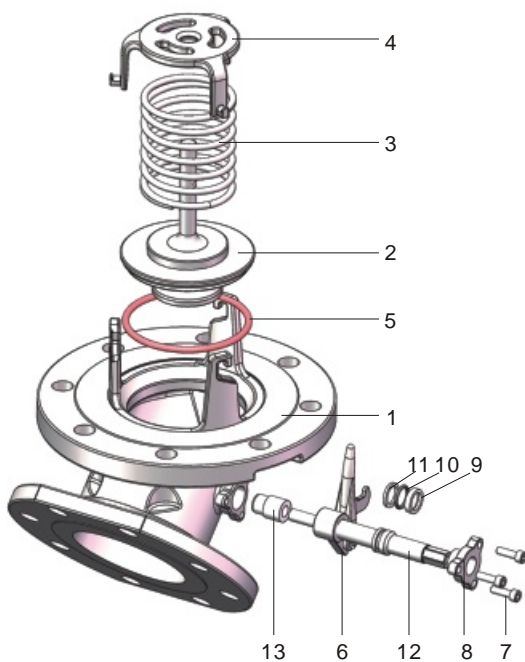
Nominal Pressure: 4Bar

Contact Parts: 316

Seal: PTFE、Viton

Design Temperature: -40°C~200°C

### Part Drawing



Item	Part No.	Description
1	JS464C01-08	Body
2	JZ964C01-02	Solid Poppet
3	JZ964C01-03	Spring
4	JZ964C04-02	Spring Top Plate
5	JZ964C01-05	Encapsulated O-Ring
6	JS464C01-09-00	Crank Block Assembly
7	85988100M6*20	Capscrew
8	JS368001-08	Stuffing Clamp
9	JS468001-09	Spindle Packing
10	JS468001-10	O-Ring
11	JS468001-11	Spindle Packing
12	JS464C01-04	Spindle
13	JS464C01-05	Crankshaft end Bush PTFE

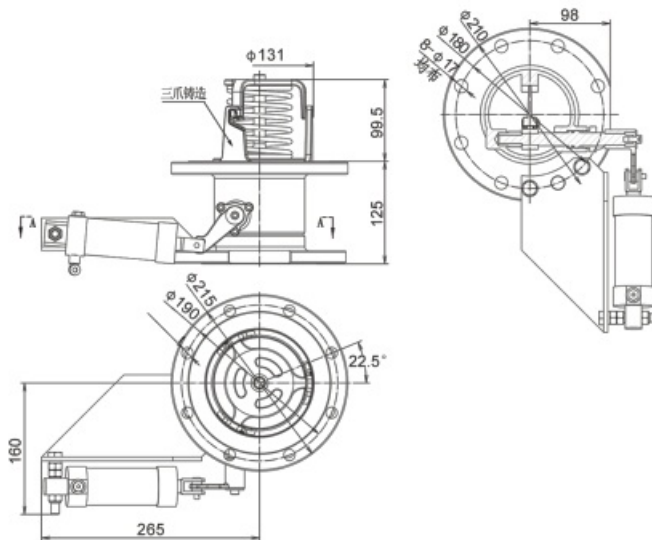
Note: Spare parts for repair are available separately.



4" 180° Foot Valve - Inlet flange drilled 8 × φ 14mm holes equi-spaced on a PCD φ 190, Outlet flange drilled 8 × φ 17mm holes equi-spaced on a PCD φ 180.

Option-Shutting-off device for emergency and fusible link. Main seal is encapsulated O-Ring.

### Fitting Details



Part No: JZ164C03-00

Connection:

Flange Drilled: 8 × φ 14 × PCD190

Outlet: 8 × φ 17 × PCD180

Nominal Diameter: 100mm

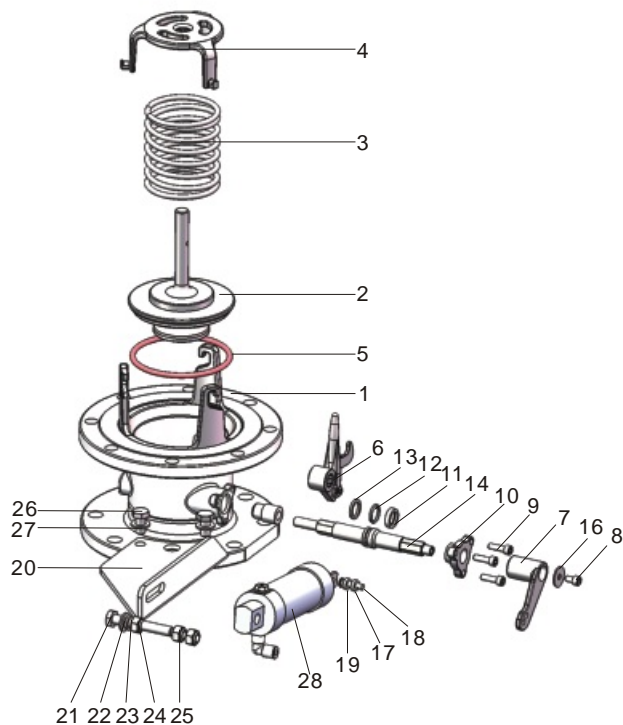
Nominal Pressure: 6Bar

Design Temperature: -40°C-+200°C

Contact Parts: 316

Seal: PTFE、FEP+Silicon

### Part Drawing



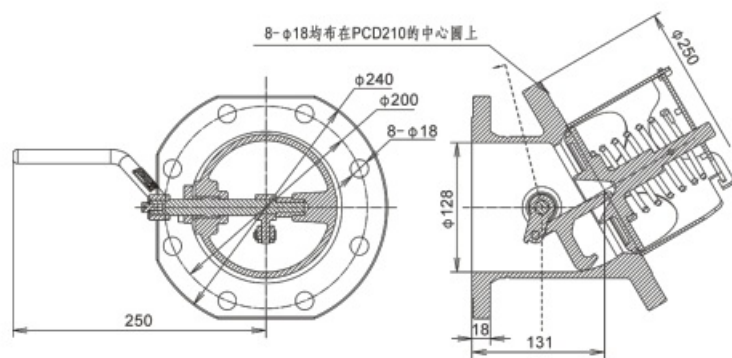
Item	Part No.	Description
1	JZ164C04-01	Body
2	JZ964C01-02	Solid Poppet
3	JZ964C01-03	Spring
4	JZ964C04-02	Spring Top Plate
5	JZ964C01-05	Encapsulated O-Ring
6	JS464C01-06-00	Crank Block Assembly
7	JZ964C01-07	Connecting Rod
8	85988100M6*10	Capscrew
9	85988100M6*20	Capscrew
10	JS368001-08	Stuffing Clamp
11	JS468001-09	Spindle Packing
12	JS468001-10	O-Ring
13	JS468001-11	Spindle Packing
14	JZ964C04-03	Spindle
15	JS464C01-05	Crankshaft end Bush PTFE
16	JZ964C01-08	Plain Washer
17	859860002*14	Split Pin
18	859864006*20	Hinge Pin
19	JZ964C01-06	Washer
20	JZ164C01-02	Support Frame
21	85983300M10*60	Bolt
22	8598100010	Washer
23	8598110010	Spring Washer
24	85984400M10	Nut
25	85985400M10	Nut
26	85983300M10*18	Bolt
27	8598110010	Spring Washer
28	JZ964C01-18-00	Cylinder Assembly



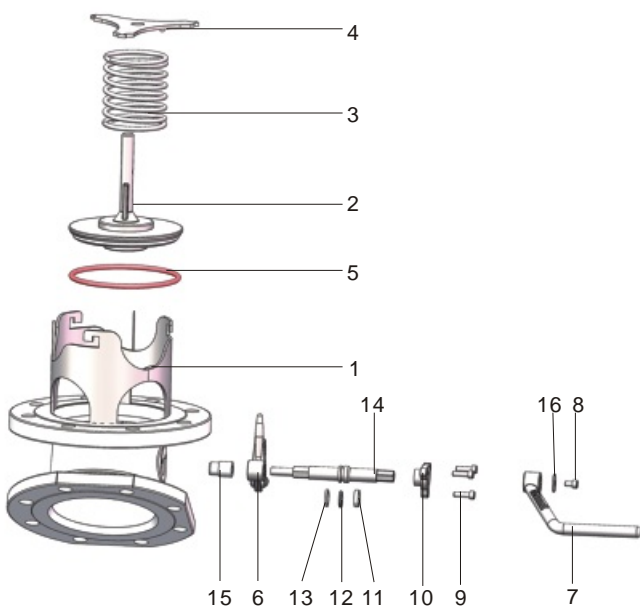
5" 30° Foot Valve—inlet flange drilled 8 × φ 18 holes equi-spaced on a 210mm PCD; outlet flange drilled 8 × φ 18 holes equi-spaced on a 200mm PCD. Contact parts in 316 stainless steel with FEP/Silicon seal.

### Fitting Details

Part No. : JS365C01-00  
 Connection:  
 Flange drilled 8 × φ 18 × PCD210  
 Outlet 8 × φ 18 × PCD200  
 Nominal Diameter: 125mm  
 Nominal Pressure: 4Bar  
 Contact Parts: 316  
 Seal: PTFE、Viton  
 Design Temperature: -40°C~200°C



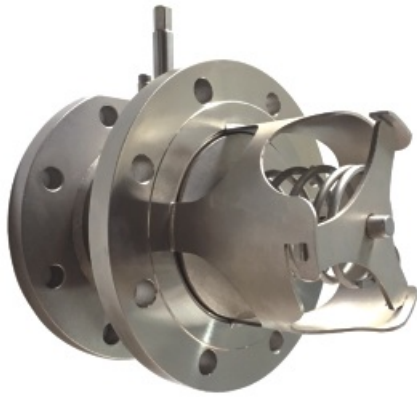
### Part Drawing



Item	Part No.	Description
1	JS365C01-01-00	Body
2	JS365C01-02	Solid Poppet
3	JZ964C01-03	Spring
4	JS365C01-03	Spring Top Plate
5	JS365C01-04	Encapsulated O-Ring
6	JS365C01-05-00	Crank Block Assembly
7	JS468001-07	Handle
8	85988100M6*10	Capscrew
9	85988100M6*20	Capscrew
10	JS368001-08	Stuffing Clamp
11	JS468001-09	Spindle Packing
12	JS468001-10	O-Ring
13	JS468001-11	Spindle Packing
14	JS464C01-04	Spindle
15	JS464C01-05	Crankshaft end Bush PTFE
16	859821006	Washer

Note: Spare parts for repair are available separately.





5" 180° Foot Valve—inlet flange drilled 8 × φ 18 holes equi-spaced on a 210mm PCD; outlet flange drilled 8 × φ 18 holes equi-spaced on a 200mm PCD. Contact parts in 316 stainless steel with FEP/Silicon seal.

### Fitting Details

Part No. : JS165C01-00

Connection :

Flange drilled 8 × φ 18 × PCD210

Outlet 8 × φ 18 × PCD200

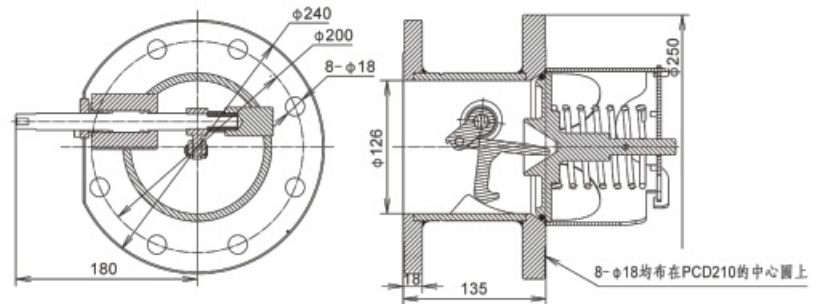
Nominal Diameter : 125mm

Nominal Pressure : 4Bar

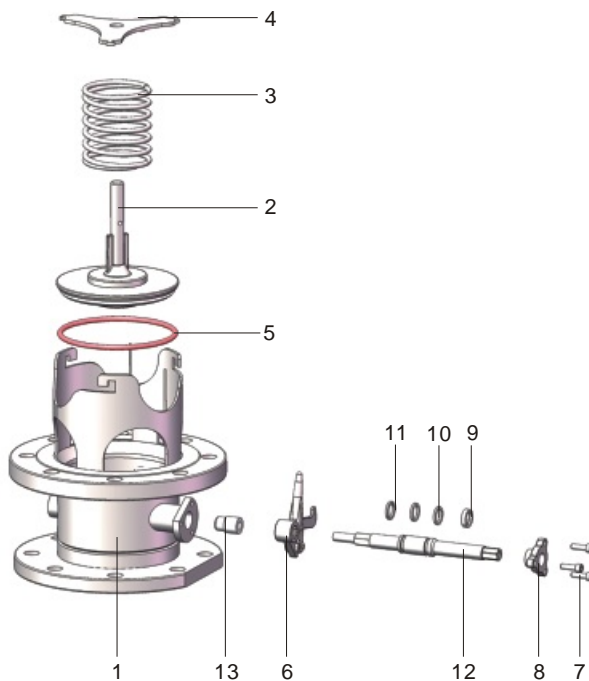
Contact Parts : 316

Seal : PTFE、Viton

Design Temperature : -40°C~200°C



### Part Drawing



Item	Part No.	Description
1	JS165C01-01-00	Body
2	JS365C01-02	Solid Poppet
3	JZ964C01-03	Spring
4	JS365C01-03	Spring Top Plate
5	JS365C01-04	Encapsulated O-Ring
6	JS365C01-05-00	Crank Block Assembly
7	85988100M6*20	Capscrew
8	JS368001-08	Stuffing Clamp
9	JS468001-09	Spindle Packing
10	JS468001-10	O-Ring
11	JS468001-11	Spindle Packing
12	JS165C01-02	Spindle
13	JS464C01-05	Crankshaft end Bush PTFE

Note: Spare parts for repair are available separately.

# 3" 45° Quick Flow Foot Valve



3" 45° Quick Flow Foot Valve—Inlet flange drilled 8 × φ 14mm holes equi-spaced on a PCD 178mm, Outlet flange drilled 4 × φ 18mm holes equi-spaced on a PCD 160mm.

Option-Shutting-off device for emergency and fusible link.

Part No. : JX468001-00

Connection :

Flange drilled 8 × φ 14 × PCD178

Outlet 4 × φ 17 × PCD160

Nominal Diameter: 80mm

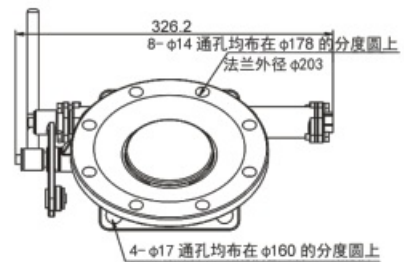
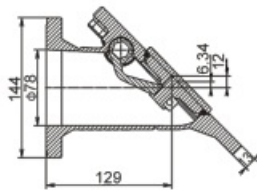
Nominal Pressure: 6Bar

Contact Parts: 316

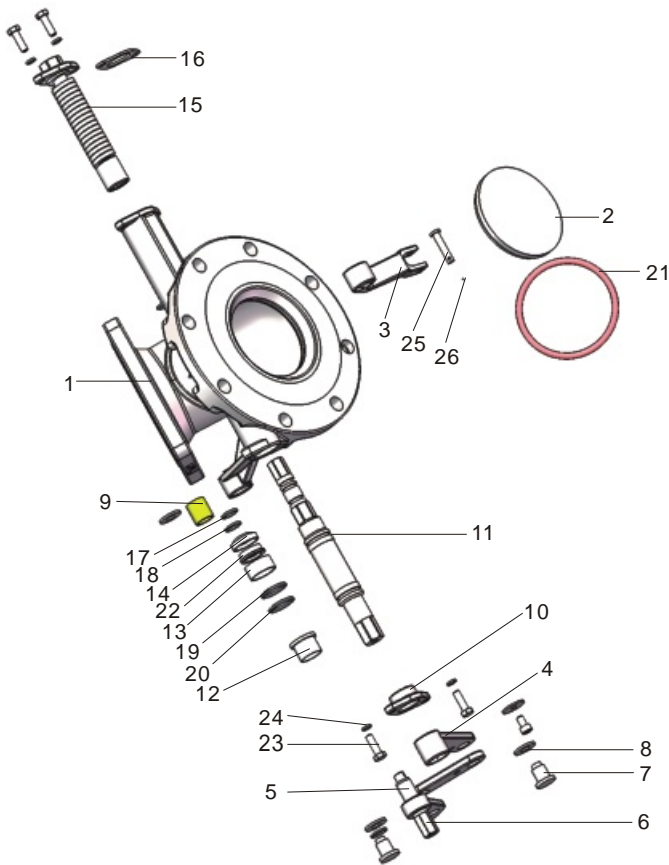
Fitted with FEP/Silicon Encapsulated O-Ring

Design Temperature: -40°C ~ 200°C

## Fitting Details

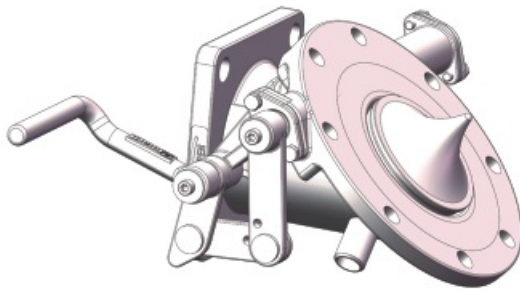


## Part Drawing



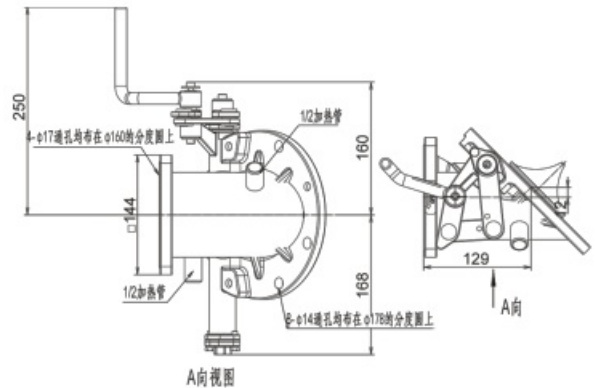
Item	Part No.	Description
1	JX468001-01	Body
2	JX468001-02	Solid Poppet
3	JX468001-03	Crank Block Assembly
4	JX468001-04	Connecting Link 1
5	JX468001-05	Connecting Link 2
6	JX468001-06	Connecting Link 3
7	JX468001-07	Hinge Pin
8	JX468001-08	Plain Washer
9	JX468001-10	Bushing
10	JX468001-11	Stuffing Clamp
11	JX468001-12	Spindle
12	JX468001-13	Bearing
13	JX468001-14	Bearing
14	JX468001-15	Bearing
15	JX468001-26-00	Spring Assembly
16	JX468001-19	Gasket
17	8561000011.5*2.6	O-Ring
18	8532000011.2*2.65	O-Ring
19	8561000021*2.6	O-Ring
20	8532000020*2.65	O-Ring
21	JX468001-24	O-Ring
22	JX468001-30	Bushing
23	85983300M6*20	Bolt
24	859811006	Spring Washer
25	859964006*30	Hinge Pin
26	LS212501	Split Pin
27	859860002.5*14	Split Pin

Note: Spare parts for repair are available separately.



3" 45° Quick Flow Foot Valve ( Speical Cargos)-Inlet flange drilled  $8 \times \phi 14\text{mm}$  holes equi -spaced on a PCD 178, Outlet flange drilled  $4 \times \phi 17\text{mm}$  holes equi -spaced on a PCD 160. The fast flow bottom valve adopts full heating, which can realize the heating function of the valve body to the greatest extent. The main sealing gasket adopts imported o-ring covering.

### Fitting Details



Part No.: JX468008-00

Connection:

Flange drilled  $8 \times \phi 14 \times \text{PCD} \phi 178$

Outlet  $4 \times \phi 17 \times \text{PCD} \phi 160$

Nominal Diameter: 78mm

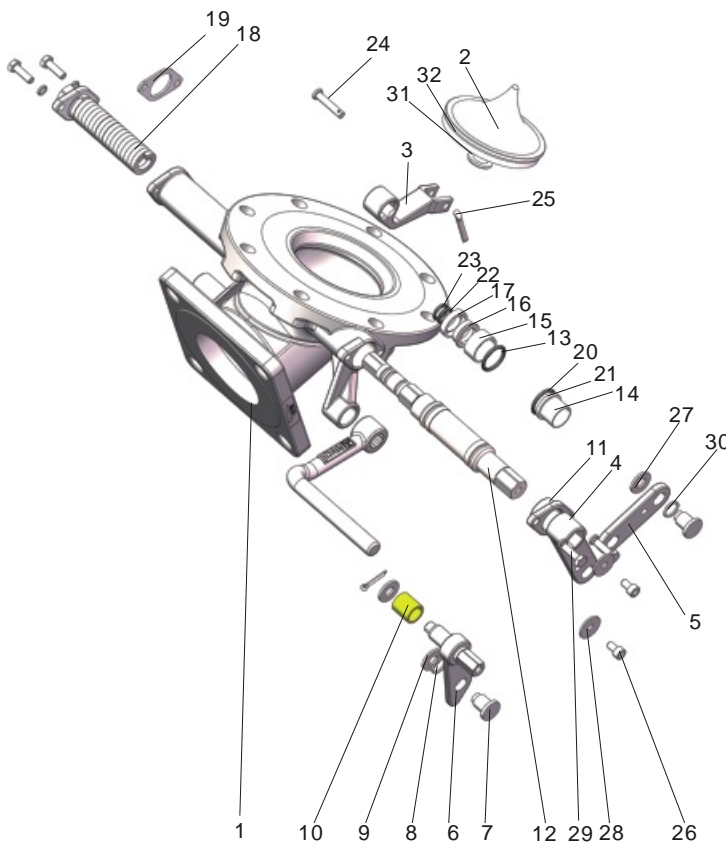
Nominal Pressure: 4Bar

Design Temperature:  $-20^{\circ}\text{C} \sim +200^{\circ}\text{C}$

Contact Parts: CF8M

Seal: PTFE、FEP+Silicone、VITON

### Part Drawing



Item	Part No.	Description
1	JX468008-01-00	Body Assembly
2	JX468008-03	Solid Poppet
3	JX468001-03	Crank
4	JX468001-04	Connecting Link 1
5	JX468001-05	Connecting Link 2
6	JX468001-06	Connecting Link 3
7	JX468001-07	Hinge Pin
8	JX468001-08	Plain Washer
9	QKB04001-05	Air Valve Small Piece
10	JX468001-10	Bushing
11	JX468001-11	Stuffing Clamp
12	JX468001-12	Spindle
13	8536002020*2.6	O-Ring
14	JX468001-13	Bearing
15	JX468001-14	Bearing
16	JX468001-30	Bushing
17	JX468001-15	Taperde Washers
18	JX468001-26-00	Spring Assembly
19	JX468001-19	Seal Gasket
20	8561000021*2.6	O-Ring
21	8532000020*2.65	O-Ring
22	8561000011.5*2.6	O-Ring
23	8532000011.2*2.65	O-Ring
24	859964006*30	Hinge Pin
25	LS212501	Split Pin
26	85988100M6*10	Capscrew
27	JZ964C01-08	Plain Washer
28	859860002*14	Split Pin
29	85983300M6*20	Bolt
30	859811006	Spring Washer
31	JX468005-03	Solid Poppet
32	JX468008-02	O-Ring

# 4" 45° Quick Flow Bottom Valve



4" 45° Quick Flow Bottom Valve - Inlet flange drilled 8 × φ 18mm holes equi-spaced on a PCD φ 210, Outlet flange drilled 8 × φ 18mm holes equi-spaced on a PCD φ 180.

Option-Shutting-off device for emergency and fusible link. Main seal is encapsulated O-Ring.

## Fitting Details

Part No: JX464C01-00

Connection:

Flange Drilled: 8 × φ 18 × PCD210

Outlet : 8 × φ 18 × PCD180

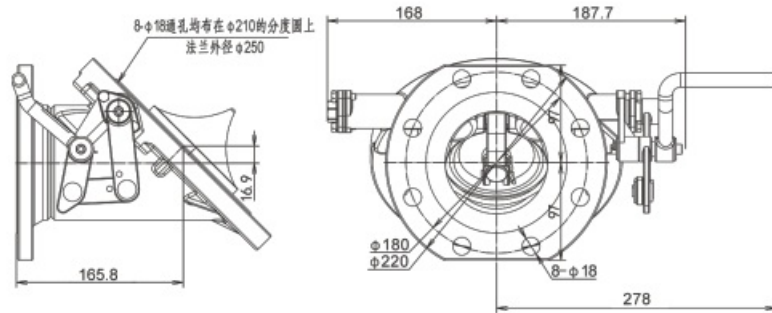
Nominal Diameter: 100mm

Nominal Pressure: 6Bar

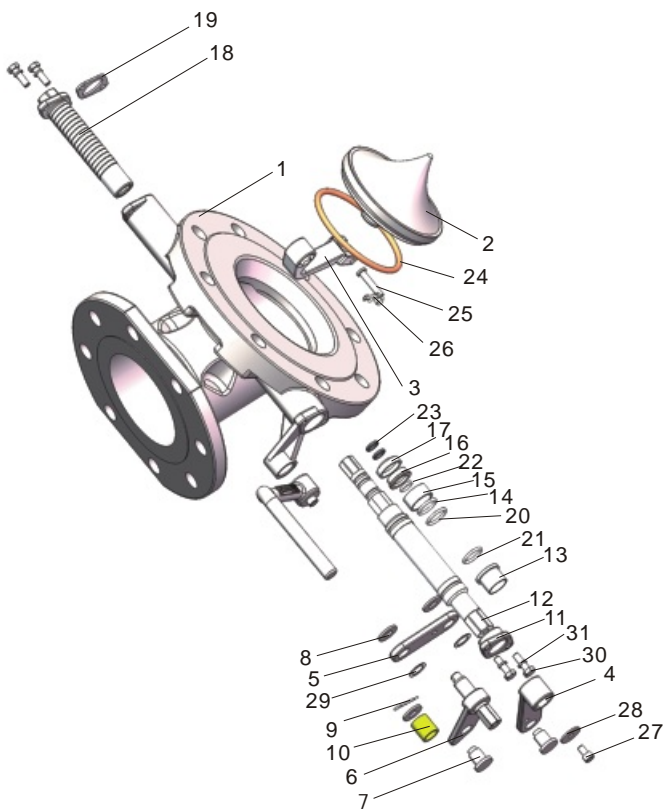
Design Temperature: -40°C-+200°C

Contact Parts: 316

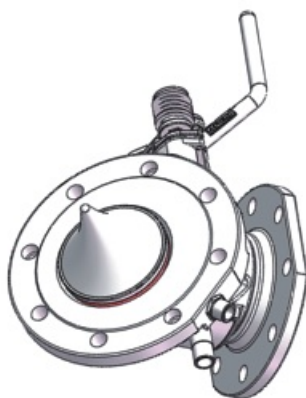
Seal: PTFE、FEP+Silicon



## Part Drawing



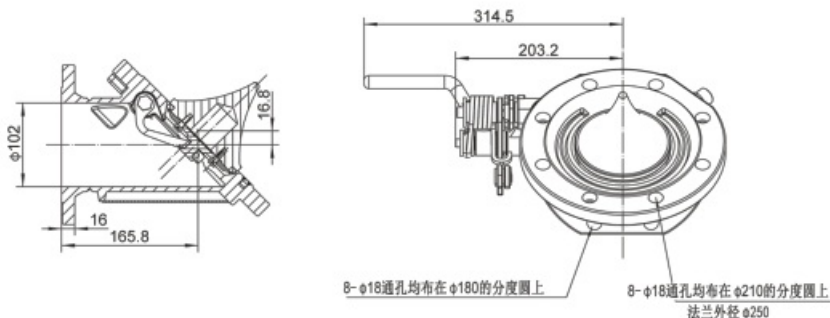
Item	Part No.	Description
1	JX464C01-01	4"Body
2	JX464C01-02	4" Solid Poppet
3	JX464C01-04	4" Crank
4	JX468001-04	Connecting Link 1
5	JX468001-05	Connecting Link 2
6	JX468001-06	Connecting Link 3
7	JX468001-07	Hinge Pin
8	JX468001-08	Plain Washer
9	QKB04001-05	Air Valve Small Piece
10	JX468001-10	Bushing
11	JX468001-11	Stuffing Clamp
12	JX464C01-03	Spindle
13	JX468001-13	Bearing
14	8536002020*2.6	Encapsulated O-Ring
15	JX468001-14	Bearing
16	JX468001-30	Bushing
17	JX468001-15	Tapered Washers
18	JX468001-26-00	Spring Assembly
19	JX468001-19	Gasket
20	8532000020*2.65	O-Ring
21	8561000021*2.6	O-Ring
22	8532000011.2*2.65	O-Ring
23	8561000011.5*2.6	O-Ring
24	JS464C01-07	Encapsulated O-Ring
25	859964006*30	Hinge Pin
26	LS212501	Hinge Pin
27	85988100M6*10	Capscrew
28	859821006	Washer
29	859860002.5*14	Split Pin
30	85983300M6*20	Bolt
31	859811006	Spring Washer



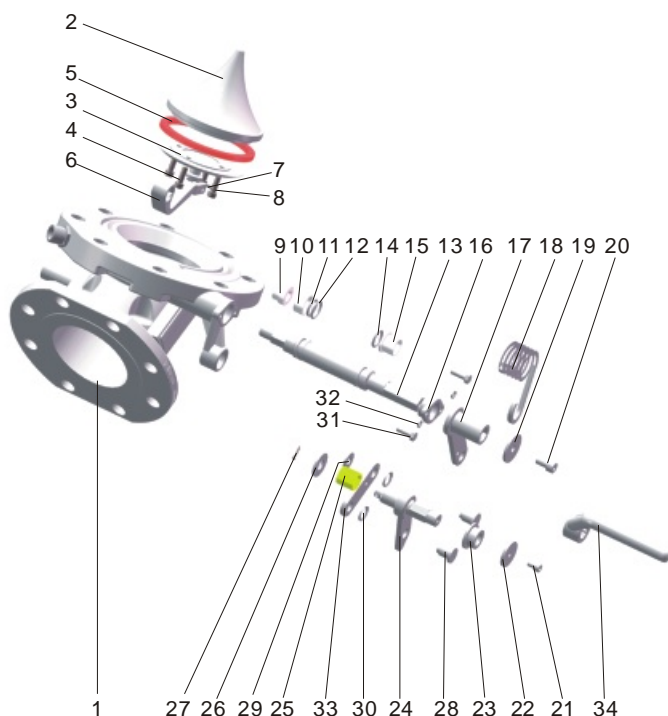
4" 45° Quick Flow Foot Valve With Heating-Inlet flange drilled  $8 \times \phi 18$ mm holes equi -spaced on a PCD 210, Outlet flange drilled  $8 \times \phi 18$ mm holes equi -spaced on a PCD 180. The speed flow bottom valve is heated by flange and the valve body is heated by half package, which can realize the heating function of the valve to the greatest extent. The main sealing parts are covered with O-ring imported.

## Fitting Details

Part No.: JX464C05-00  
 Connection :  
 Flange Drilled:  $8 \times \phi 18 \times \text{PCD } \phi 210$   
 Outlet:  $8 \times \phi 18 \times \text{PCD } \phi 180$   
 Nominal Diameter: 100mm  
 Nominal Pressure: 6Bar  
 Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$   
 Contact Parts: CF8M  
 Seal: PTFE、FEP+Silicone、VITON



## Part Drawing



Item	Part No.	Description
1	JX464C05-01-00	Body Assembly
2	JX464C05-02	Solid Poppet
3	JX464C04-03	Solid Poppet
4	85988100M6*16	Capscrew
5	JX464C04-04	Encapsulated O-Ring
6	JX464C01-04	Crank
7	859964006*30	Hinge Pin
8	LS212501	Shaft Pin
9	JX464C05-04	Bushing
10	JX468001-14	Bearing
11	8536002020*2.6	Encapsulated O-Ring
12	8561000021*2.6	O-Ring
13	JX464C05-03	Spindle
14	8532000020*2.65	O-Ring
15	JX468001-13	Bearing
16	JX468001-11	Stuffing Clamp
17	JX464C05-09	Connecting Link 1
18	JX464C05-08	Torsion Springs
19	JX464C05-07	Spring Baffle
20	85988100M8*15	Capscrew
21	85988100M6*10	Capscrew
22	JX464C05-13	Spring Retainer
23	JX464C05-06	Spring-Loaded Fixed Shaft
24	JX464C05-05	Connecting Link 3
25	JX464C05-10	Bushing
26	JX464C05-12	Washer
27	859860002.5*25	Split Pin
28	JX468001-07	Hinge Pin
29	JX468001-08	Plain Washer
30	QKB04001-05	Air Valve Small Piece
31	85983300M6*20	All-Thread Bolt
32	859811006	spring Washer
33	JX468001-05	Connecting Link 2
34	JX464C05-11	Handle



3" DC Camlock Unify Bottom Discharge—Flange drilled  $8 \times \phi 14 \times \text{PCD}178$ .

Option-Shutting-off device for emergency and fusible link.

Part No. : HDD48007-00

Connection:

Flange drilled  $8 \times \phi 14 \times \text{PCD}178$

Outlet DC Camlock

Nominal Pressure: 6Bar

Contact Parts: 316

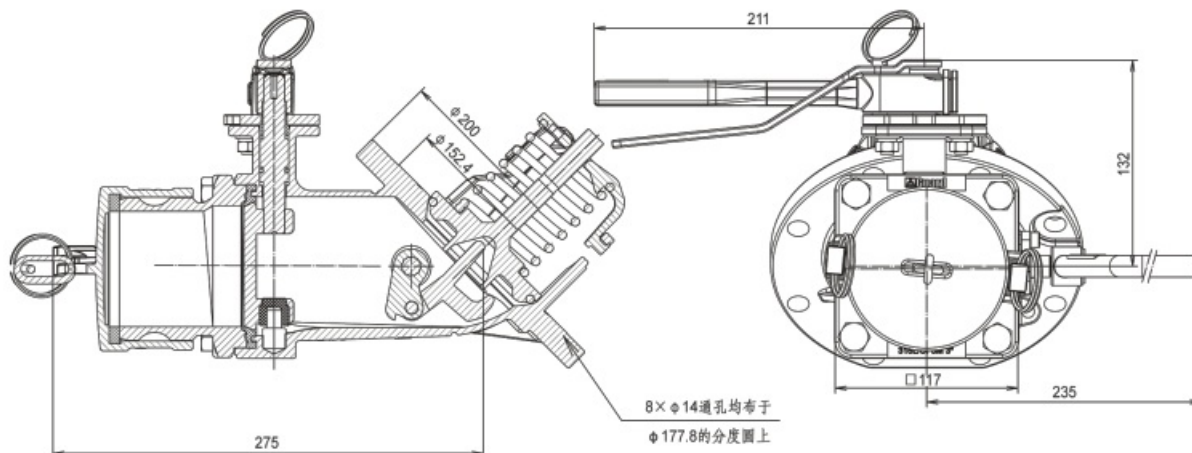
Fitted with FEP/Silicon Encapsulated O-Ring

Design Temperature:  $-40^{\circ}\text{C} \sim 200^{\circ}\text{C}$

## Range

Part No.	Description
HDD48006-00	Unify Bottom Discharge 3" BSP Outlet
HDD48007-00	Unify Bottom Discharge 3" Camlock Outlet

## Fitting Details





3" 45° Bottom Discharge With Sample Valve—3" 45° Foot Valve+3" Clamped Butterfly Valve+3" DC Outlet+1/2" Two Pieces Ball Valve and cap. Flange drilled 8×φ14×PCD178.

Option-Shutting-off device for emergency and fusible link.

Part No. : HDJ48005-00

Connection:

Flange drilled 8×φ14×PCD178

Outlet DC Camlock

Nominal Pressure: 6Bar

Contact Parts: 316

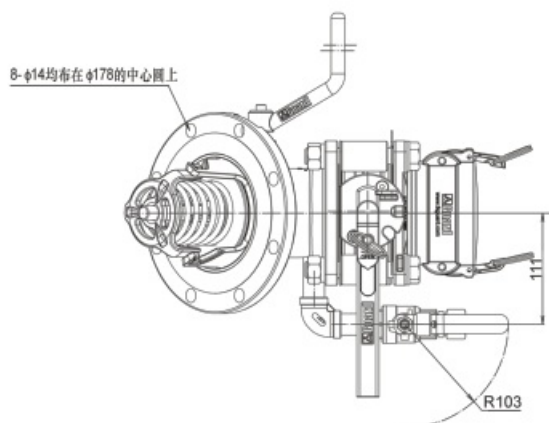
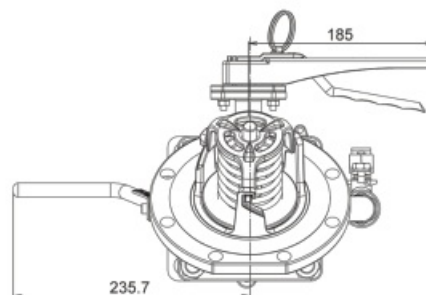
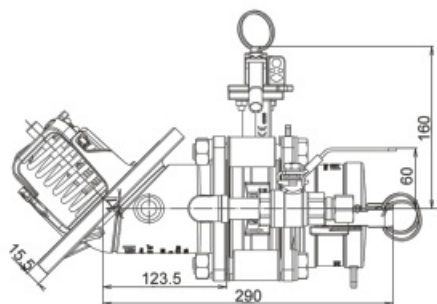
Fitted with FEP/Silicon Encapsulated O-Ring

Design Temperature: -40°C ~ 200°C

## Parts

Part No.	Description
ZDH48001-02	Weld-in Flange
ZDH48001-01-00	PTFE+CNAF Gasket
SNFA0009	Screw Kits

## Fitting Details





3" 180° Bottom Discharge— 3" 180° Foot Valve+3" II Unify Butterfly Valve+3" BSP Cap.  
 Option-Shutting-off device for emergency and fusible link.

Part No. : HDB18002-00

Connection:

Flange drilled 8× φ 14xPCD178

Outlet 3" BSP

Nominal Pressure: 6Bar

Contact Parts: 316

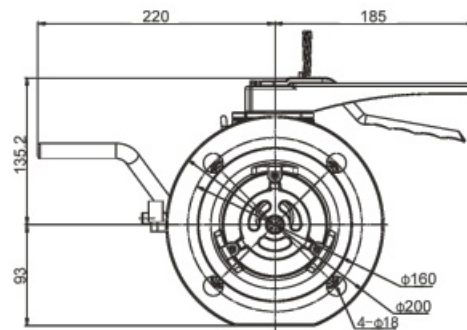
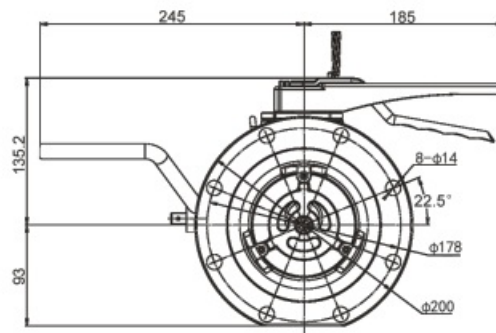
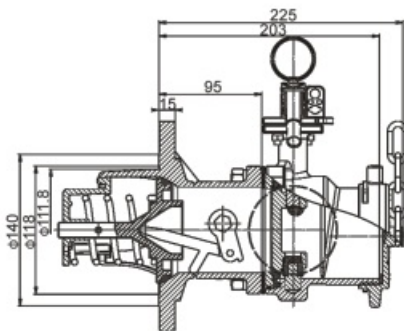
Fitted with FEP/Silicon Encapsulated O-Ring

Design Temperature: -40°C ~ 200°C

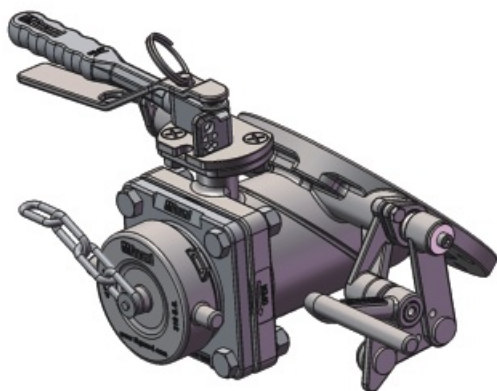
### Parts

Part No.	Description
ZDH48001-02	Weld-in Flange
ZDH48001-01-00	PTFE+CNAF Gasket
SNFA0009	Screw Kits

### Fitting Details







Integrated Speed Flow Bottom Discharge for butterfly valve and speed flow valve integrated valve. Inlet flange drilled  $8 \times \phi 14$ mm holes equi -spaced on a PCD 178, Outlet flange drilled  $4 \times \phi 14$ mm holes equi -spaced on a PCD 130. Option-Shutting-Off device for emergency and fusible link.

Part No.: HDD48008-00

Connection:

Flange drilled  $8 \times \phi 14 \times \text{PCD}178$

Outlet  $4 \times \phi 14 \times \text{PCD}130$

Outlet : BSP/DC Camlock

Nominal Diameter: 80mm

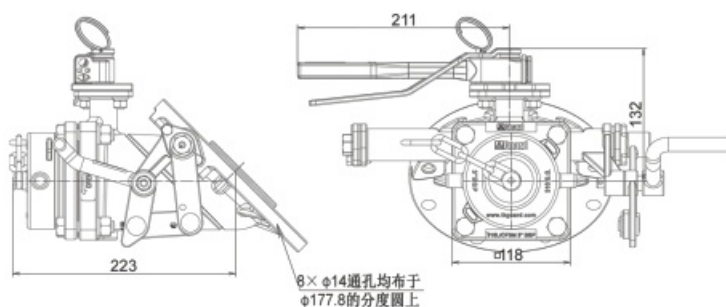
Nominal Pressure: 4Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

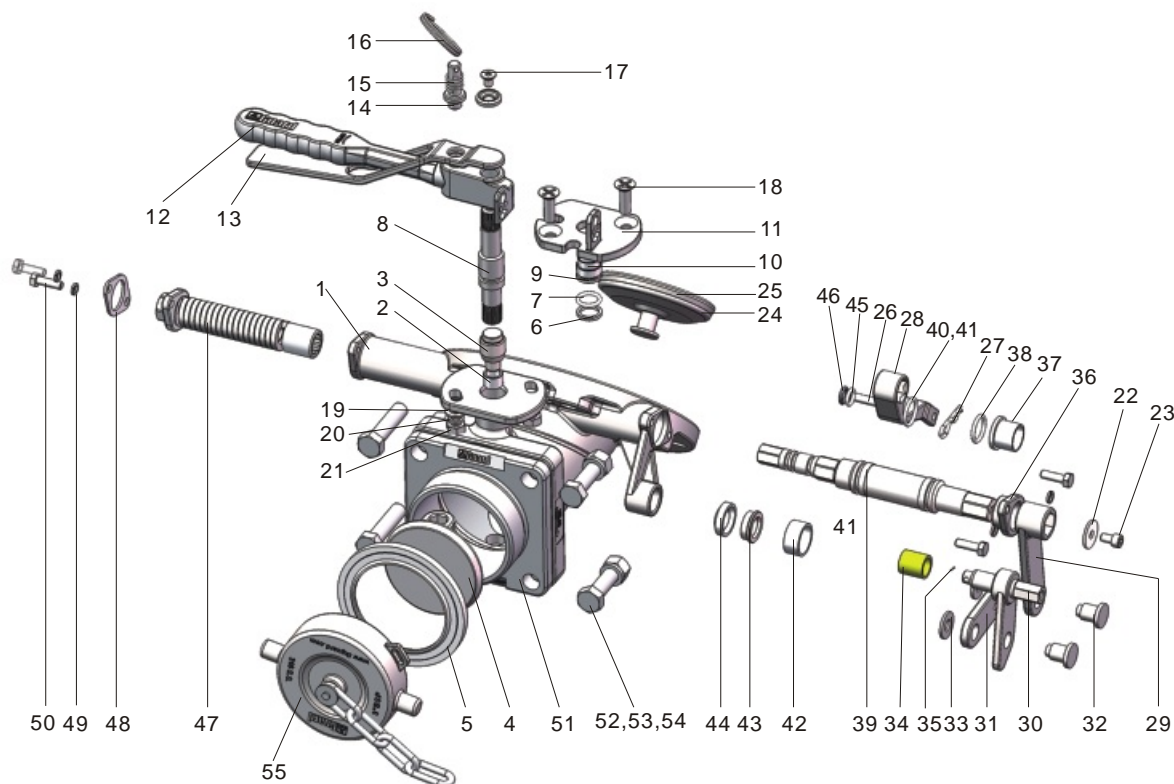
Contact Parts: CF8M

Seal: PTFE、VITON、FEP+Silicon

## Fitting Details

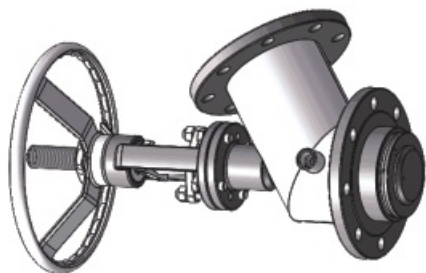


## Part Drawing



Item	Part No.	Description	Item	Part No.	Description
1	HDD48008-00	One-Piece Foot Valve Body(Quick-Flow Type)	29	JX468001-04	Connecting Link 1
2	DLJ68003-04	Butterfly Valve Positioning Sleeve	30	JX468001-06	Connecting Link 2
3	DLJ68003-05	Butterfly Valve Positioning Shaft	31	JX468001-05	Connecting Link 3
4	DLJ68001-06	Closure Plate	32	JX468001-07	Hinge Pin
5	DLJ68001-03	Ball Seat	33	JX468001-08	Washer
6	DLJ68003-17	Lower Middle Port	34	JX468001-10	Bushing
7	8532000014*2.65	14×2.65 O-Ring	35	859860002.5*14	Split Pin
8	HDD48006-01-02	One-Piece Foot Valve Stem	36	JX468001-11	Stuffing Clamp
9	DLJ68003-14	Upper PTFE Gasket	37	JX468001-13	Top Bush
10	DLJ68003-13	Upper Middle Port	38	8532000020*2.65	O-Ring
11	DLJ68003-08	Stuffing Clamp	39	JX468001-12	Spindle
12	DLJ68003-18	Handle	40	8561000021*2.6	PTFE O-Ring
13	DLJ68003-11	Operating Lever	41	8536002020*2.6	Encapsulated O-Ring
14	DLJ68003-12	Handle Location Pin	42	JX468001-14	Bush
15	DLJ68001-15	Handle Location Spring	43	JX468001-30	Bushing
16	DLJ68001-16	Split Ring	44	JX468001-15	Taperde Washers
17	85988800M8*16	Countersunk Setscre	45	8561000011.5*2.6	PTFE O-Ring
18	85988300M8*25	Countersunk Setscre	46	8532000011.2*2.65	O-Ring
19	859810008	Washer	47	JX468001-26-00	Spring Assembly
20	859811008	Spring Washer	48	JX468001-19	Gasket
21	85985000M8	Nut	49	859811006	Spring Washer
22	859821006	Washer	50	85983300M6*20	Bolt
23	85988100M6*10	Cap Screw	51	HDD48001-01	Square Flange To BSP3"
24	JX468001-24	Encapsulated O-Ring	52	85983300M12*50	Bolt
25	JX468001-02	Solid Poppet	53	8598110012	Spring washer
26	859964006*30	Hinge Pin	54	85984400M12	Nut
27	LS212501	B-Pin	55	HDJ480011000	Dust Cover Assembly 3"
28	JX468001-03	Crank			

4" Angle Sulfur Cut-off Valve - Inlet flange is  $8 \times \phi 18$  equispaced on the PCD180mm flange, outlet flange is  $8 \times \phi 18$  equispaced on the PCD180mm flange. This Angle cut-off valve adopts the full enveloping heating, can realize the heating function of the valve body to the greatest extent, the main seal is made of PTFE, which has the advantages of long service life, easy sealing and easy replacement.



Part No.: 174C0003-00

Connection:

Inlet  $8 \times \phi 18 \times \text{PCD180}$

Outlet  $8 \times \phi 18 \times \text{PCD180}$

Nominal Diameter: 100mm

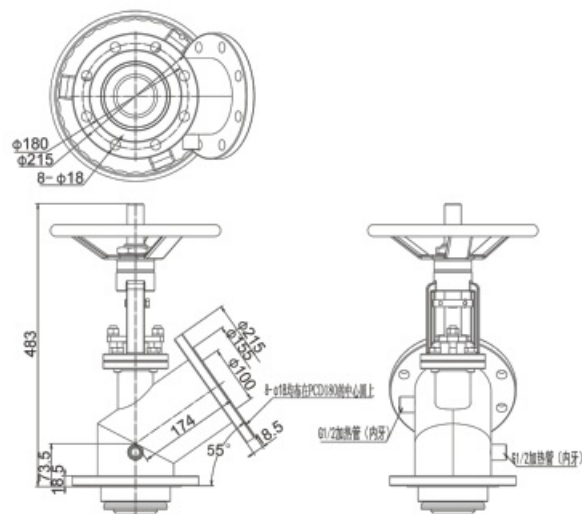
Nominal Pressure: 16Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

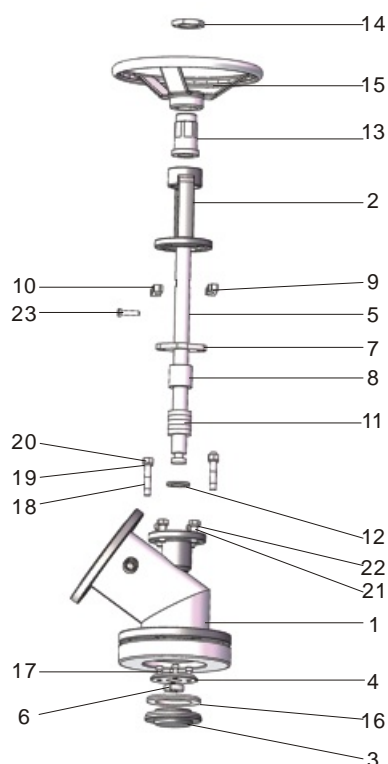
Contact Parts: CF8

Seal: PTFE、Graphite

## Fitting Details



## Part Drawing



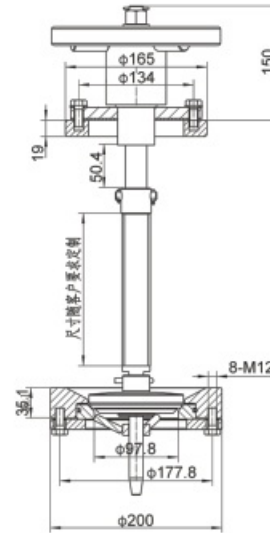
Item	Part No.	Description
1	174C0003-01-00	Body
2	174C0003-02	Cap
3	174C0003-03	Pressure Plate
4	174C0003-04	Pressure Plate Gland
5	174C0003-05	Leading Screw
6	174C0003-06	Split Collar
7	174C0003-07	Packing Cover
8	174C0003-08	Junk Ring
9	174C0003-09	Locating Piece
10	174C0003-10	Locating Piece
11	174C0003-11	Split Collar
12	174C0003-12	Washer
13	174C0003-13	Screw Bearing
14	174C0003-14	Nut
15	174C0003-15	Handle
16	174C0003-16	Main Seal
17	85988100M8*20	M8×20 Stop Bolt
18	85987100M12*60	M12×60 Screw
19	8598110012	Spring Washer
20	85984400M12	Nut
21	85983300M12*35	M12×35 Screw
22	8598110012	Spring Washer
23	85983300M8*35	M8×35 Hexagon Bolt

# 4" Rotary Bottom Valve



Rotary Bottom Valve-Body upper inlet flange mounting size 4\*φ 10.5", all distributed on φ 134 circle. Body lower outlet flange mounting size 8\*φ 14 ", all distributed on φ 177.8 circle. The middle connecting pipe size can be selected according to the tank.

## Fitting Details



Part No.: 174C0001-00

Connection:

Inlet 4 × φ 10.5 × PCD134

Outlet 8 × φ 14 × PCD177.8

Nominal Diameter: 97.8mm

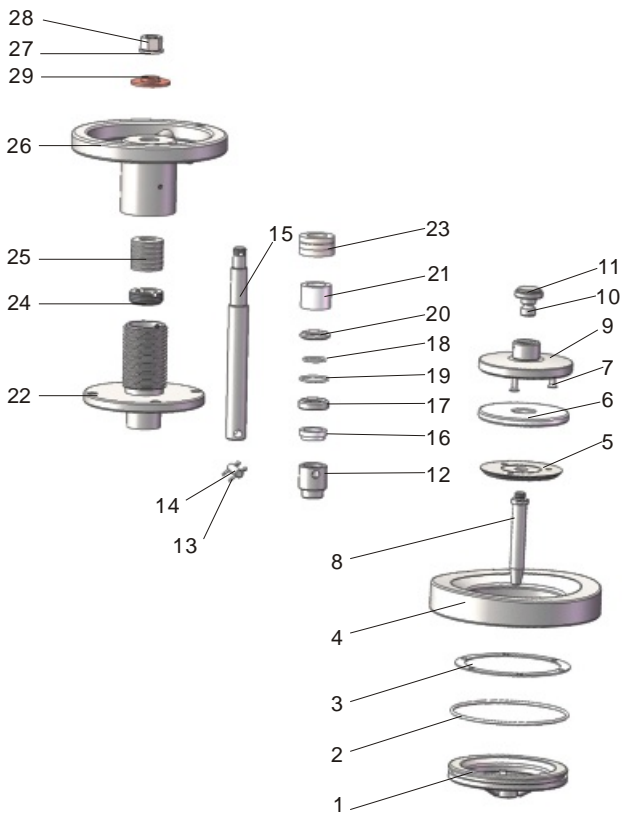
Nominal Pressure: 6Bar

Design Temperature: -40°C ~ +200°C

Contact Parts: CF8M

Seal: PTFE

## Part Drawing



Item	Part No.	Description
1	174C0001-01-00	Seal Seat
2	85A40000132*3.55	O-Ring
3	174C0001-02	Gasket
4	174C0001-03	Welded Flange
5	174C0001-04	Gasket Gland
6	174C0001-05	Seal
7	859988006*20	Countersunk Setscrew
8	174C0001-06	Stem Guide
9	174C0001-07-00	Sealing Ring Holder
10	174C000110	Flexible Pins
11	174C0001-08	Lower Connection Buckle
12	174C0001-09	Upper Connection Buckle
13	859960003.2*20	Split Pin
14	174C0001-10	Hinge Pin
15	174C0001-11	Shaft
16	174C0001-12	Bush
17	174C0001-13	Junk Ring
18	174C0001-14	Seal
19	174C0001-27	Seal
20	174C0001-15	Junk Ring
21	174C0001-31	V-Fillers
22	174C0001-17-00	Round Flange To Thread
23	174C0001-26	Wave Type Elastic Pad
24	174C0001-18	Stuffing Clamp
25	174C0001-19	Belleville Washer
26	174C0001-20-00	Handle
27	8598100016	Washer
28	85984400M16	Nut
29	174C0001-22	Copper Sleeve



Part No. : 174C0004-00

Connection :

Upper Welding Flange: 8 × M12 × PCD177.5

Lower Welding Flange: 8 × M16 × PCD180

Nominal Diameter : 102mm

Nominal Pressure : 6Bar

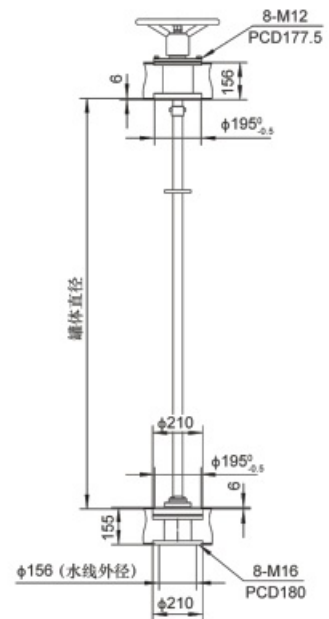
Design Temperature : -40°C ~ +200°C

Contact Parts : CF8/CF8M

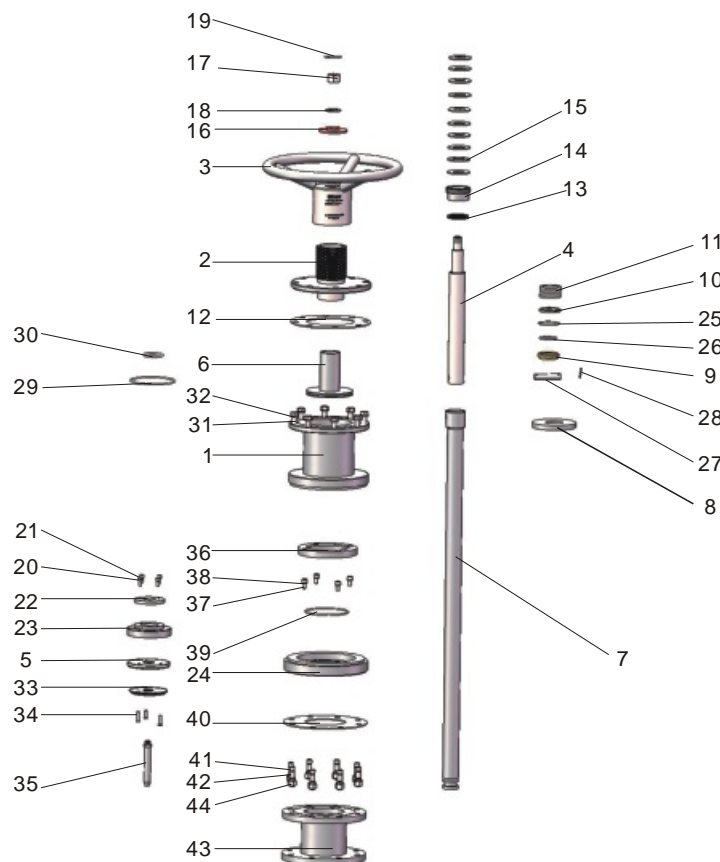
Seal : PTFE

4" Rotary Bottom Discharge(Special Cargos) - valve body upper inlet flange installation size 8\*M12 are uniformly distributed in the  $\phi$  177.5 degrees circle, the valve body lower outlet flange 8\*M16 are uniformly distributed in the  $\phi$  180 degrees circle, the middle connecting pipe size can be selected according to the tank.

### Fitting Details



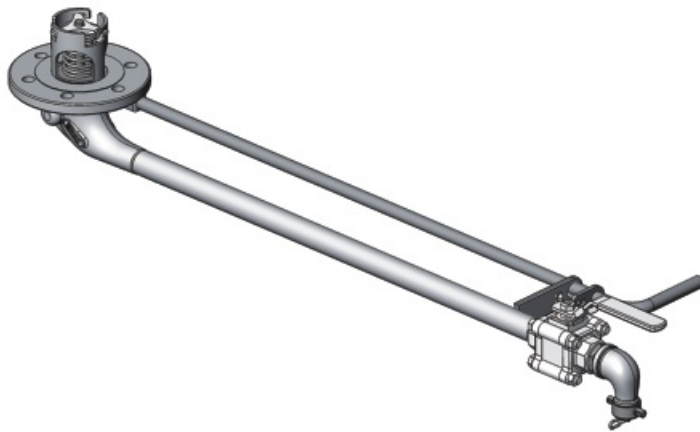
### Part Drawing





Item	Part No.	Description	Item	Part No.	Description
1	174C0004-01-00	Welded Flange	23	174C0004-24-01-00	Seal Seat
2	174C0004-02-00	Round Flange To Thread	24	174C0005-01-00	Welded Flange
3	174C0004-34-00	Handwheel	25	174C0004-31	O-ring
4	174C0004-05	Axis	26	174C0004-32	O-ring
5	174C0004-25	PTFE Seal	27	174C0004-03	Hinge Pin
6	174C0004-33	Plate	28	859960003.2*20	Split Pin
7	174C0004-34-00	Weld Tube	29	85330000109*3.5	O-ring
8	174C0004-09	Fixed Seat	30	8533000040*5.3	O-ring
9	174C0004-10	Copper Bush	31	85983300M12*30	M12*30 Bolt
10	174C0004-11	Seal Ring	32	8598110012	Spring Washer
11	174C0004-12	Packing	33	174C0004-26	Packing
12	174C0004-13	PTFE Gasket	34	85988800M6*20	M6*20 Screw
13	174C0004-15	Gasket	35	174C0004-27	Guide
14	174C0004-16	Ring	36	174C000430	Seal Ring
15	174C0004-17	Spring Washer	37	85988100M8*15	M8*15 Screw
16	174C0004-18	Copper Backing	38	859811008	Spring Washer
17	85984400M20	Nut	39	85360020105.5*3	105.5*3 O-ring
18	8598100020	Gasket	40	174C000502	PTFE Washer
19	859960003.2*25	3.2*25 Split Pin	41	85986900M12*38	M12*38 Screw
20	85988100M6*16	M6*16 Screw	42	8598110012	Gasket
21	8598110012	Spring Washer	43	174C0005010200	Welded Flange
22	174C0004-23	Ring	44	85984400M12	Nut

3/4" offshore tank bottom discharge -3/4" 90° extended foot valve + 3/4 ball valve +3/4 dustproof cover assembly, applied to offshore tank, installed at the bottom of the tank, easy to facilitate the sampling of goods.



Part No.: JS962001-00

Connection:

Flange drilled 6× φ 14×PCD114.3

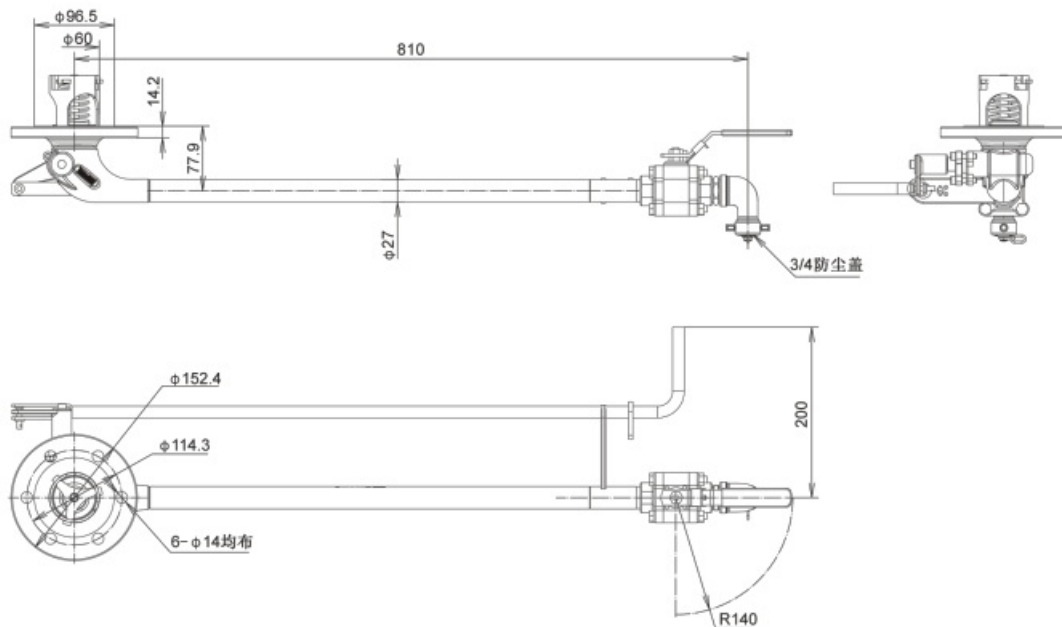
Outlet 3/4" BSP

Nominal Pressure: 6Bar

Contact Parts: 316

Fitted with FEPI Silicon Encapsulated O-Ring

## Fitting Details



3" — 2" Offshore Tank Bottom Discharge-3" 90° Extended Foot Valve+2" Full Bore Ball Valve+2" BSP Outlet, apply for offshore tank, installed on the bottom, easy to discharge the cargo inside completely.



Part No. : HDQ95001-00

Connection:

Flange drilled 6 × φ 14 × PCD158 .8

Outlet 2" BSP

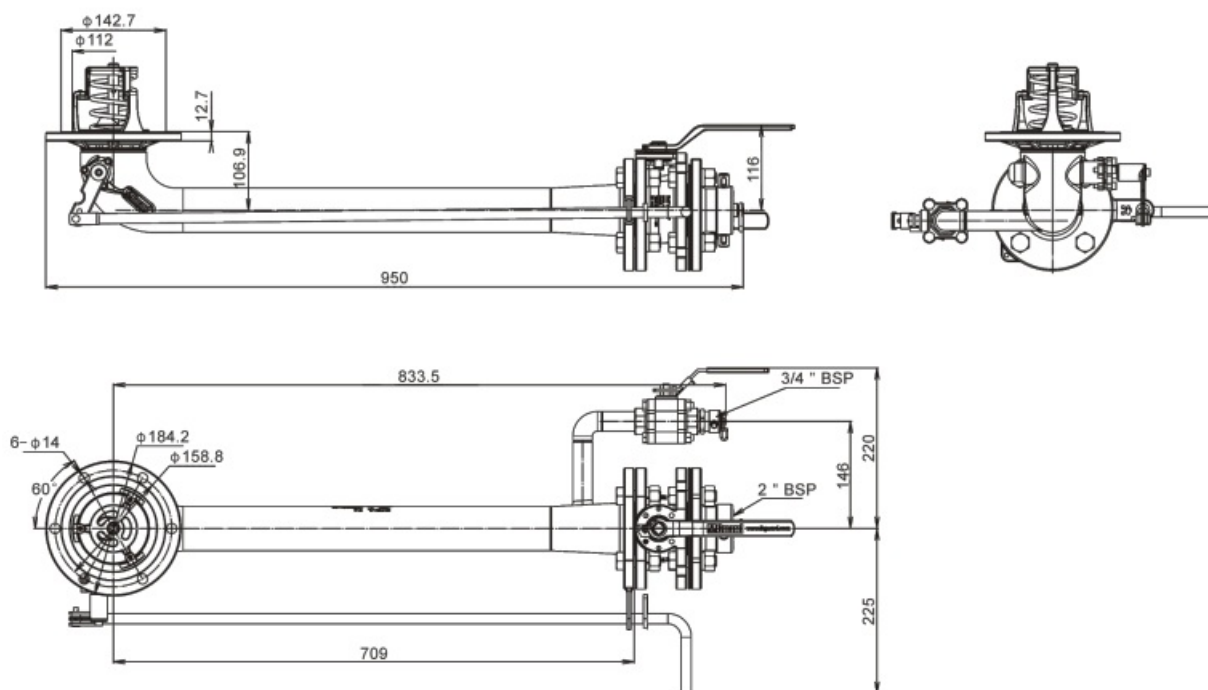
Nominal Pressure: 6Bar

Contact Parts: 316

Fitted with FEP/Silicon Encapsulated O-Ring

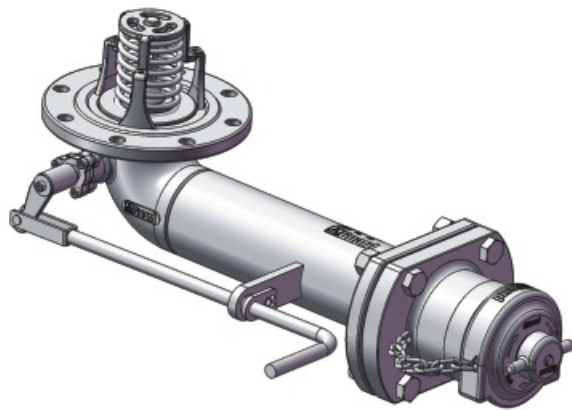
Design Temperature: -40°C ~ 200°C

## Fitting Details





3" offshore tank bottom discharge -3" 90° extended foot valve + DN65 dry joint +DN65 dustproof cover assembly , applied to offshore tank, installed at the bottom of the tank, easy to discharge all goods.



Part No.: HDQ98002-00

Connection:

Flange drilled 8 × φ 14 × PCD177.8

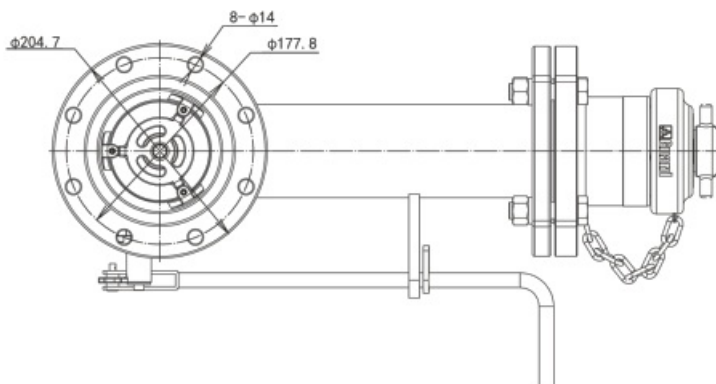
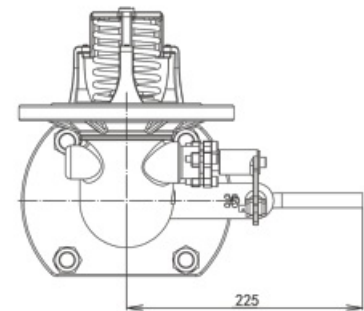
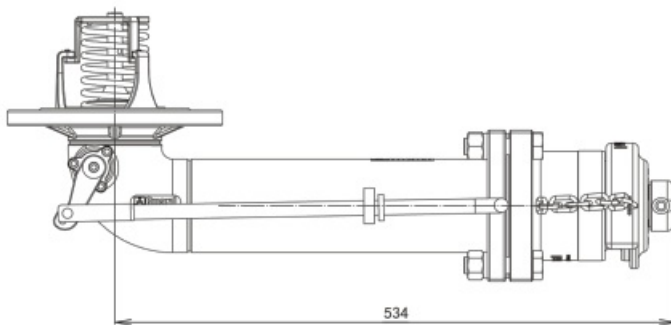
Outlet: Dry Coupler DN65

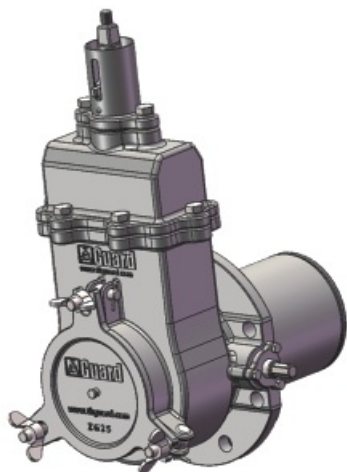
Nominal Pressure: 6Bar

Contact Parts: 316

Fitted with FEPI Silicon Encapsulated O-Ring

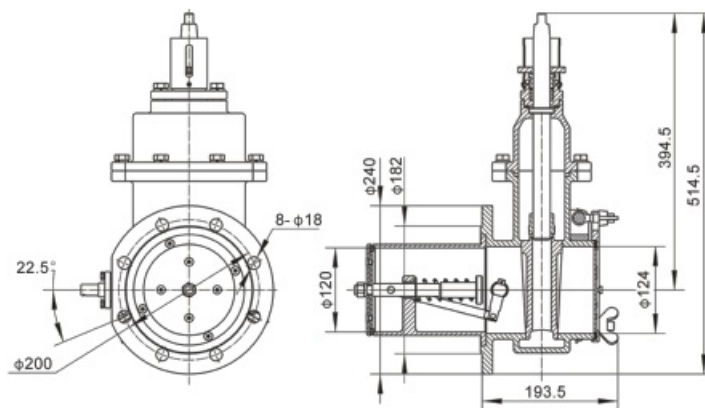
## Fitting Details





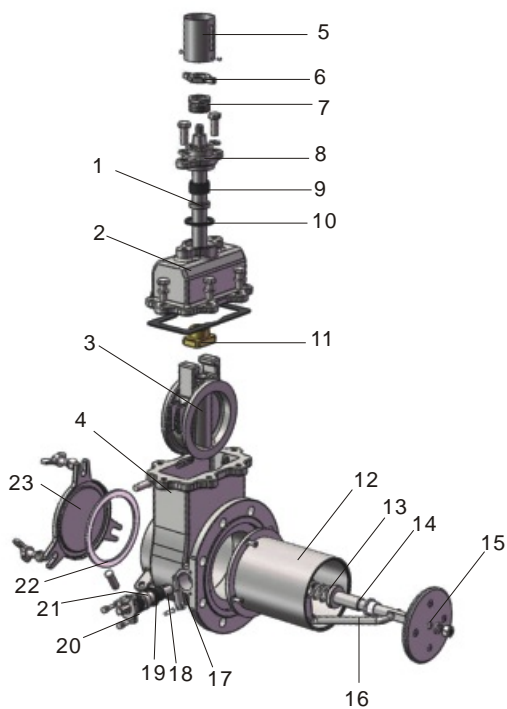
Space saving, quick operating to open and close, with opening and closing indicating device, easy to service. With Remote control device for emergency and 3 stops.

### Fitting Details



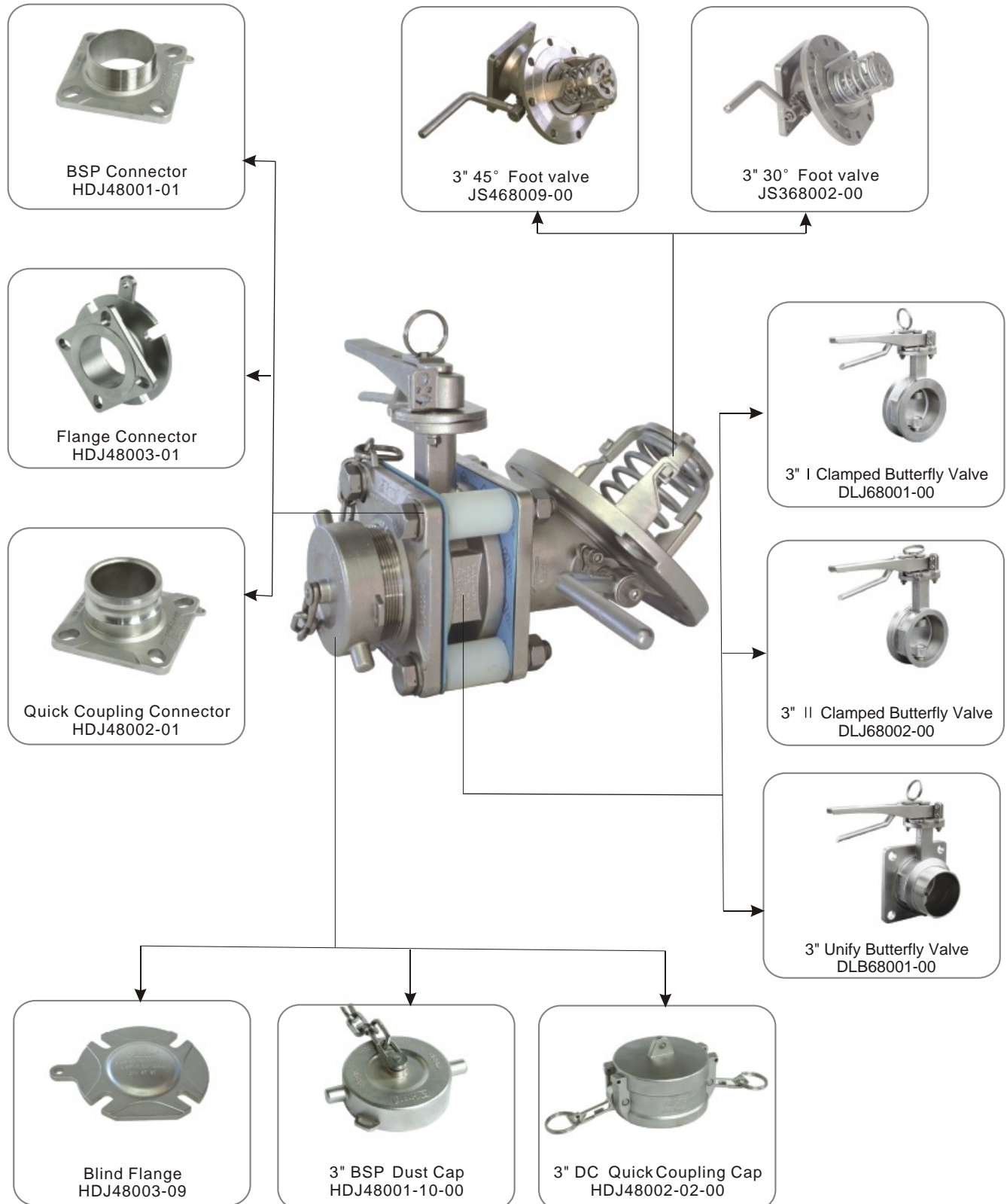
Part No. : LS17CR01-00  
 Connection: Flange drilled  $8 \times \phi 18 \times \text{PCD}200$   
 Norminal Diameter: DN125  
 Design Pressure: 6Bar  
 Seal Test Pressure: 6Bar  
 Material: Carbon Steel  
 Design Temperature:  $-40^{\circ}\text{C} \sim 250^{\circ}\text{C}$

### Part Drawing

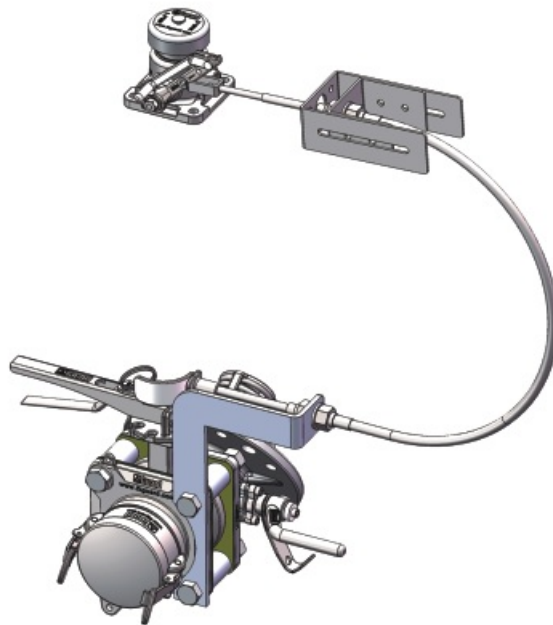


Note: Spare parts for repair are available separately.

Item	Part No.	Description
1	LS17CR01-01	Spindle
2	LS17CR01-08	Cap
3	LS17CR01-11	Gate
4	LS17CR01-09	Body
5	LS17CR01-02	Dusty Cap
6	LS17CR01-03	Nuts
7	LS17CR01-04	Junk Nuts
8	LS17CR01-06	Junk Cap
9	LS17CR01-05	Seal
10	LS17CR01-07	Washer
11	LS17CR01-10	Screw Pair
12	LS17CR01-18	Flange
13	LS17CR01-17	Reset Spring
14	LS17CR01-15	Ejector Pin
15	LS17CR01-13	Guard
16	LS17CR01-19	Connecting Rod
17	LS17CR01-20	Connecting Rod
18	LS17CR01-26	Axle Sleeve
19	LS17CR01-23	Spindle
20	LS17CR01-24	Junk Cap
21	LS17CR01-25	Seal
22	LS17CR01-21	Washer
23	LS17CR01-22	End Cover



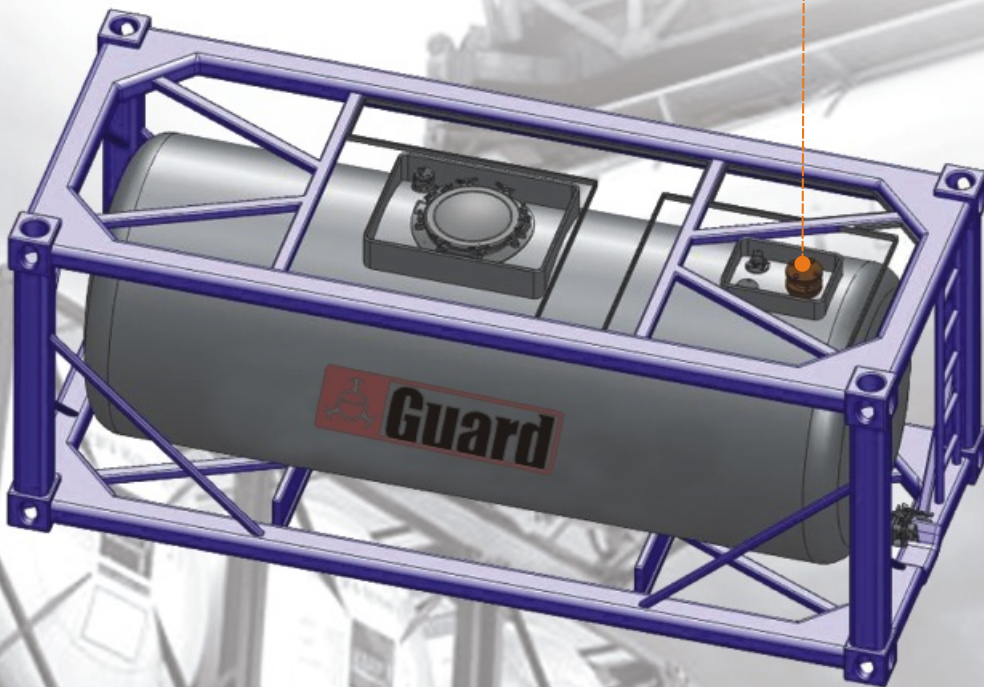
Part No.	Description
HDJ48001-00	3" 45° Foot valve+3" Clamped Butterfly Valve+3" BSP Connector+3" BSP Dust Cap
HDJ48002-00	3" 45° Foot valve+3" Clamped Butterfly Valve+3" Quick Coupling Connector+3" DC Quick Coupling Cap
HDJ48003-00	3" 45° Foot valve+3" Clamped Butterfly Valve+3" Flange Connector +3" Blind Flange
HDJ48004-00	3" 45° Foot valve+3" Unify Butterfly Valve+3" BSP Dust Cap
HDJ38001-00	3" 30° Foot valve+3" Clamped Butterfly Valve+3" BSP Connector+3" BSP Dust Cap
HDJ38002-00	3" 30° Foot valve+3" Clamped Butterfly Valve+3" Quick Coupling Connector+3" DC Quick Coupling Cap
HDJ38003-00	3" 30° Foot valve+3" Clamped Butterfly Valve+3" Flange Connector +3" Blind Flange
HDJ38004-00	3" 30° Foot valve+3" Unify Butterfly Valve+3" BSP Dust Cap



### Anti-deflating Interlocking Device

1. When discharging, only by opening the air valve can the butterfly valve be opened.
2. After discharge, the air valve can be closed only after the bottom discharge butterfly valve is closed.

# Top Discharge

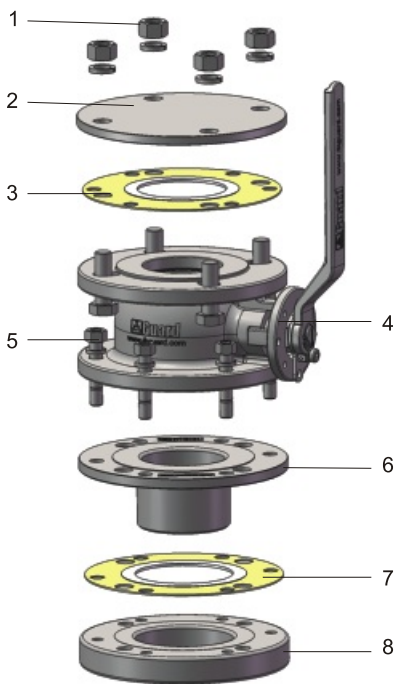


## 3" Full Bore Ball Valve as Top Discharge



### 3" Full Bore Ball Valve as Top Discharge Installation:

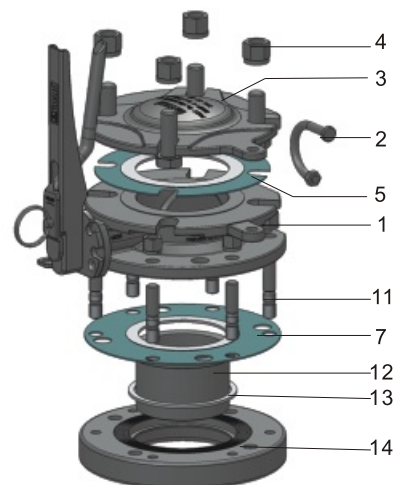
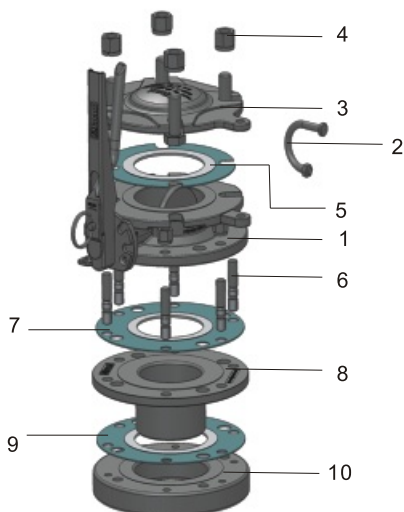
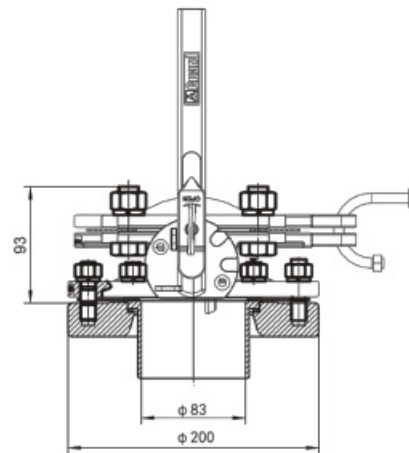
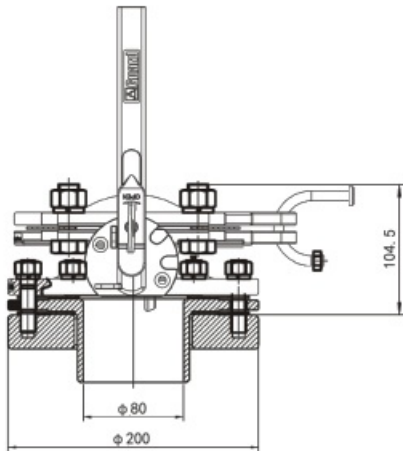
1. Make sure the position of top discharge on tank.
2. Make sure no dirt or damage on flange and gasket.
3. Install the top discharge according to installation sheet below.
4. Keep the valve open before installation.
5. On installation, make sure no dirt or damage.



Item	Part No.	Description
1	SNFA0017	Screw Kits 17
2	ZTD68001-01	Blind Flange
3	ZTD68001-04	Gasket
4	QLF08001-00	3" Full Bore Ball Valve
5	SNFA0018	Screw Kits 18
6	ZTD68001-05	Syphon Tube Flange
7	ZTD68001-02	Gasket
8	ZTD68001-06	Weld-in Flange

## 3" Flanged Butterfly Valve as Top Discharge

Item	Part No.	Description
1	DLF68001-00	Flanged Butterfly Valve DN80
2	HDJ48003-11-00	Pivot Pin Assembly
3	HDJ48003-09	Blind Flange
4	SNFA0006	Screw Kits 06
5	HDJ48003-10	Gasket
6	SNFA0007	Screw Kits 07
7	ZTD68001-04	Gasket
8	ZTD68001-05	Syphon Tube Flange
9	ZTD68001-02	Gasket
10	ZTD68001-06	Weld-in Flange
11	SNFA0008	Screw Kits 08
12	ZTD68001-09	Syphon Tube
13	ZTD68001-07	Seal
14	ZTD68001-08	Weld-in flange



DN500 Manlid Assembly with Halar-8 points. The manlid is suitable for tanks lined with HALAR coating ( Halar coating thickness 0.5mm~1mm). All contact force parts for soft protection structure, effectively avoid bump caused by the lining off. The marking area is reserved in the middle of the manlid cover, and all other parts are lined. Liner size reserved for collar assembly, after welding to tank body and tank body lining. The manlid can also be used to line coatings up to 1mm thick such as chemline.

Standard stainless steel swing bolt, brass nut, soft gasket. With customs lead sealer, seal separately supplied.

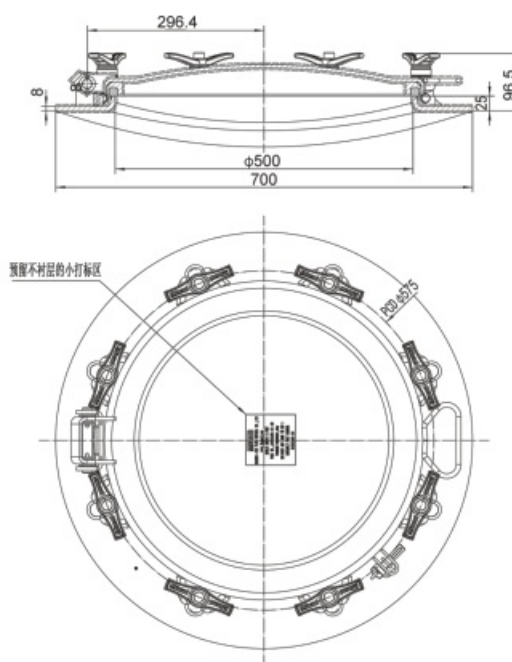
Optional - Maximum opening Angle of cover body is optional at 135° or 120°



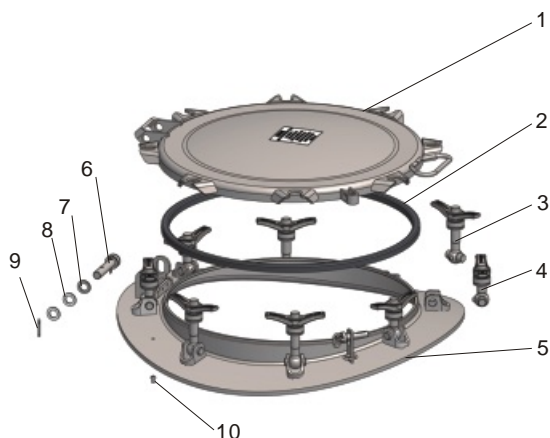
Part No.: R4583A85-00  
 Nominal Diameter: 500mm  
 Design Pressure: 4Bar(58PSI)  
 Test Pressure: 6Bar(87PSI)  
 Points: 8  
 Design Temperature: - 40°C ~ + 200°C  
 Cover Weight: 16kg  
 Neckring Weight: 15kg

Temperature range depends on the seal

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	R4583A85-01-00	DN500 Manlid Cover(Halar)
2	见密封件数据表	Seal (Sold Separately)
3	RL181004-00	Swingbolt Assembly
4	RL187502-00	Swingbolt Assembly
5	R4583A85-02-00	DN500 Neckring(Reserved Halar)
6	R4583A81-04	Hinge Pin
7	R4583A01-12	Gasket
8	R4583A85-03	PTFE Protection Pad
9	859960004*25	Split Pin
10	85988500M6*8	Screw



DN500 Manlid Assembly with Rubber -8 points. Manlids are suitable for tanks lined with rubber coating (rubber coating thickness 4mm~5mm). Full lining of manlid cover. Liner size reserved for collar assembly, after welding to tank body and tank body lining. The manlid can also be used for lining other soft coatings of 4~5mm thickness.

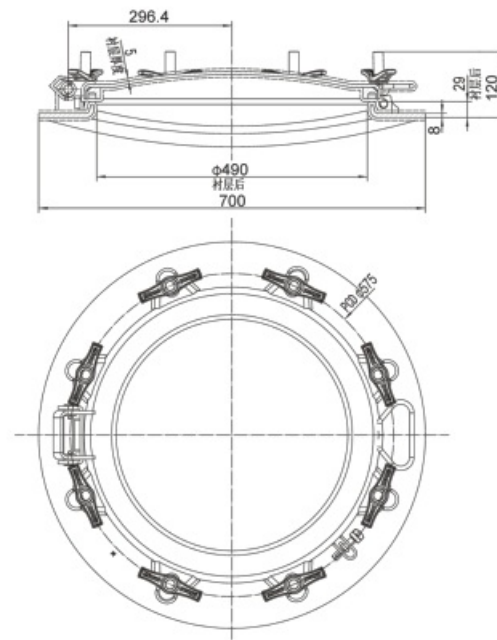
Standard stainless steel swing bolt, stainless steel ingot nut. With customs lead sealing parts, lining layer directly contact sealing, do not need to provide a separate sealing ring.

Optional - Flanging collar arc selected according to the arc of the tank

Optional - the maximum opening Angle of the cover can be optional 135° , optional 120° .



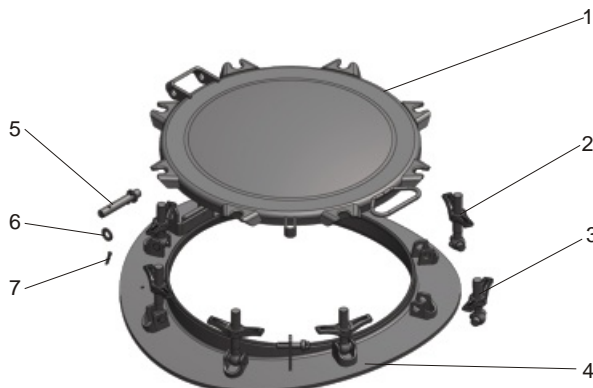
Fitting Details



- Part No.: R4583A78-00
- Nominal Diameter: 500mm
- Design Pressure: 4Bar(58PSI)
- Test Pressure: 6Bar(87PSI)
- Points: 8
- Design Temperature: - 40°C ~ + 200°C
- Cover Weight: 16kg
- Neckring Weight: 16kg

Temperature range depends on the seal

## Part Drawing



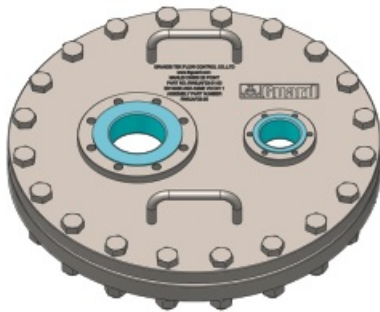
Item	Part No.	Description
1	R4583A78-01-00	DN500 Manlid Cover
2	RL181201-00	Swingbolt Assembly
3	RL189406-00	Swingbolt Assembly
4	R4583A78-02-00	DN500 Manlid Neckring
5	R4583A42-05	Hinge Pin
6	R4583A01-12	Washer
7	859960004*25	Split Pin

DN500 Plastic Coated Flange Manlid Assembly -20 points . The manlid is suitable for tanks lined with PFA lining (PFA lining thickness of 3mm). The manlid cover is lined with the medium contact part, and the valve installation flange is welded on the cover body. Liner size reserved for collar assembly, after welding to tank body and tank body lining. The manlid can also be used for lining other thicknesses up to 3mm.

Standard fasteners. No separate sealing ring is required. Exhaust port selection

Optional - Body mounting flange size according to customer installation requirements

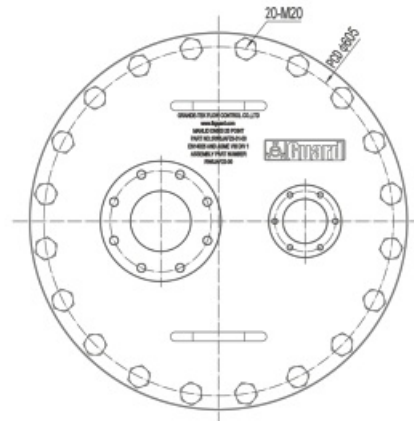
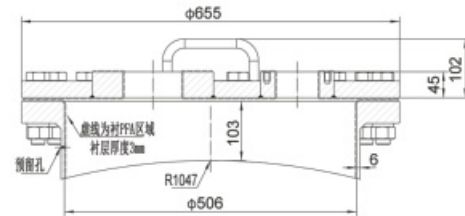
Option - Flanging collar radian is selected according to the pot radian, and the height of the neck cylinder is customized according to the design requirements of the tank



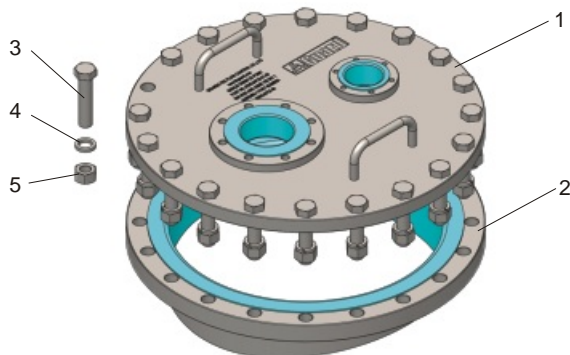
Part No.: RW5JAF23-00  
 Nominal Diameter: 500mm  
 Points: 20  
 Design Temperature: - 40°C ~ + 200°C  
 Cover Weight: 76.5kg  
 Neckring Weight: 44.5kg

Temperature range depends on the seal

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	RW5JAF23-01-00	DN500 Manlid Cover
2	RW5JAF23-02-00	DN500 Manlid Neckring
3	85993300M22*100	Bolt
4	8599110022	Spring Washer
5	85994400M22	Nut

Suitable for Lined Tanks.

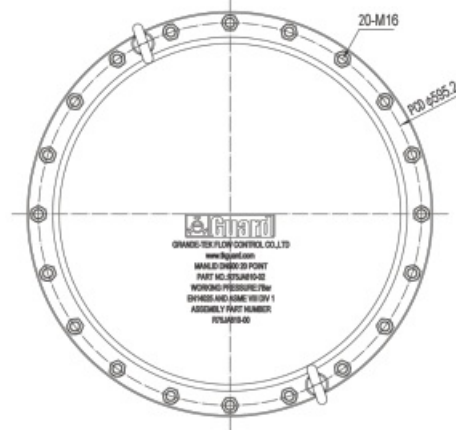
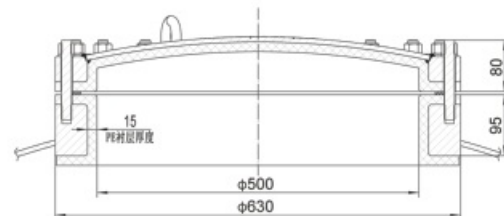
Option - Can be customized different radian, the height of the neckring according to the customer's tank size;

Option - Blind flange cover optional installation of safety valve reserved hole and other valve installation flange;

Fitting fastener package; Manlid seal sold separately.



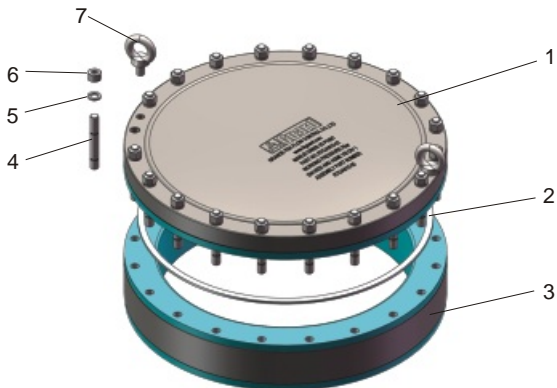
Fitting Details



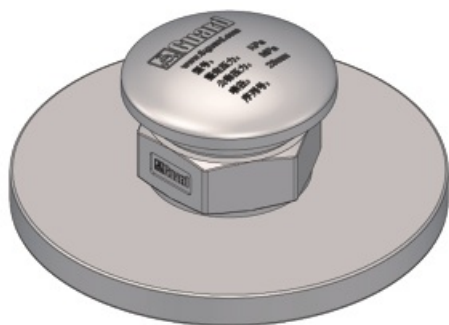
- Part No.: R75JA810-00
- Nominal Diameter: 500mm
- Design Pressure: 7Bar(101PSI)
- Test Pressure: 10Bar(145PSI)
- Points: 20
- Design Temperature: - 40°C ~ + 200°C
- Cover Weight: 42.5kg
- Neckring Weight: 57kg

Temperature range depends on the seal

## Part Drawing



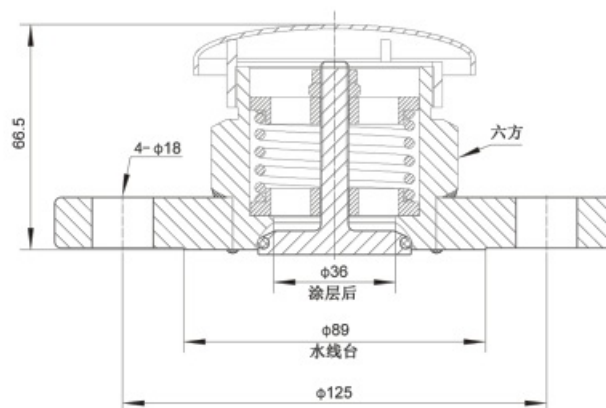
Item	Part No.	Description
1	R75JA810-01	DN500 Manlid Cover
2	11FC0005	PTFE Seal
3	R75JA810-02	DN500 Manlid Neckring
4	85987300M16*100	Stud
5	8598110016	Spring Washer
6	85984400M16	Nut
7	85985800M16*28	Bolt



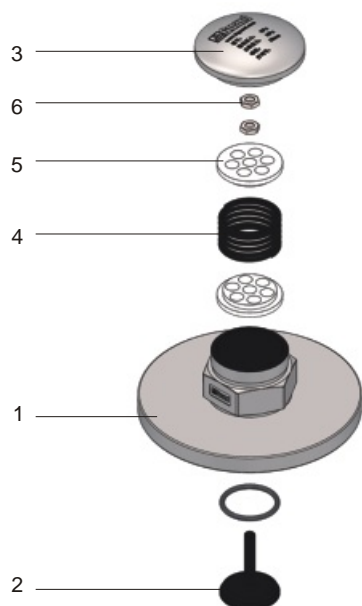
Vacuum Valve (Halar) (-24KPa ~ -4KPa) flange connection, vacuum pressure range -24 ~ -4KPa. The valve can effectively prevent deflating. Valve body is Halar coating, accessories made of PTFE, FEP+Silicon O-ring, strong anti-corrosion performance

Part No.: AF500000XX01  
 Connection: Flange 4 × φ 18 × PCD125  
 Nominal Diameter: DN50  
 Nominal Pressure: 0.4MPa  
 Setting Pressure: -24KPa ~ -4KPa  
 Design Temperature: - 20°C ~ 130°C  
 Contact Parts: Halar/PTFE/FEP  
 Seal: FEP/Silicon

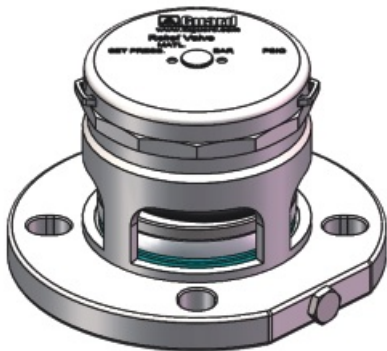
### Fitting Details



### Part Drawing



Item	Part No.	Description
1	AF5000002401-03	Cap
2	AF5000002401-06	Nut
3	AF5000002401-05	Spring Snap
4	AF5000002401-04	Spring
5	AF5000002401-01	Body Assembly(Halar)
6	002037.5*3.5	37.5*3.5 O-ring
7	AF5000002401-02	Pressure Plate



PFA Lined Safety Relief Valve are suitable for pressure ranges from 1.5 to 106.1 PSI (0.1 to 7.31 Bar) for pressure and from 0 to 3 PSI (0 to 0.21 Bar) for vacuum. The whole body is made of stainless steel, and the contact parts of the medium is lined with PFA, and the contact parts are made of PTFE. This kind of relief valve has strong anti-corrosion ability.

### Fitting Details

Part No. AFXXXXXXXXXX

Connection:

Flange 4 × φ 18 × PCD145 ~ 152.4/PCD160

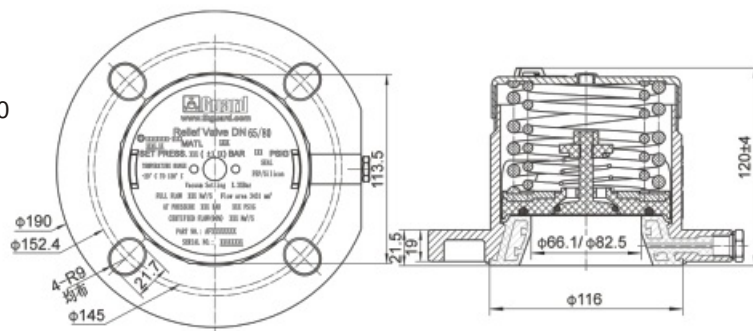
Nominal Diameter: DN80/DN65

Nominal Pressure: PN10

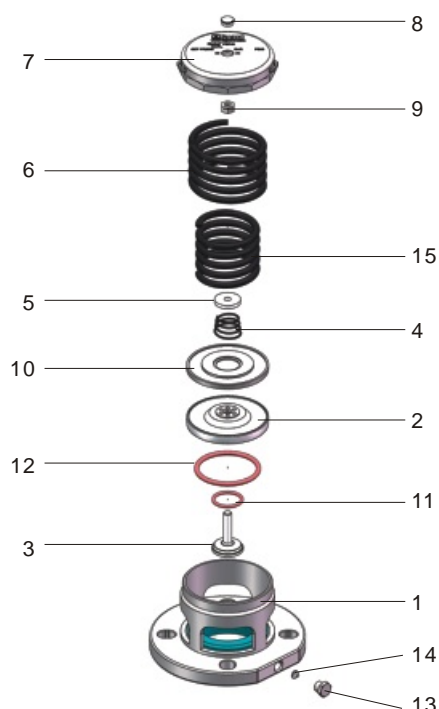
Design Temperature: -20°C ~ 130°C

Contact Parts: PFA/PTFE

Seal: PFA/PTFE

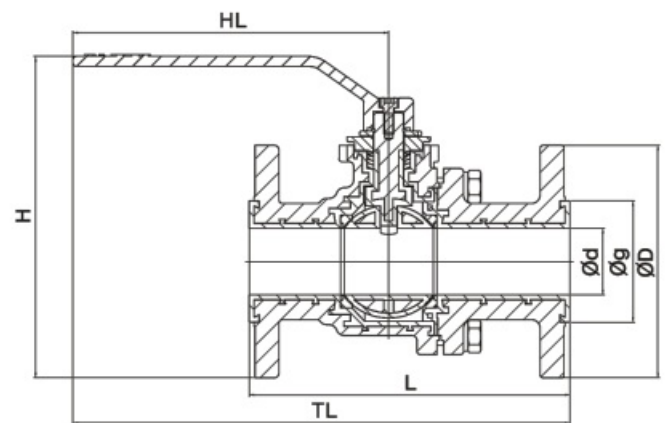


### Part Drawing



Item	Part No.	Description
1	AFXXXXXXXX-01	Body (PFA)
2	AFXXXXXXXX-XX	DN65/80 Pressure Plate
3	APB46501-04	PTFE Vacuum Poppet
4	AF6503752101-03	Spring (Halar)
5	AF6503001001-04	Vacuum Poppet
6	AFXXXXXXXX-XX	Spring (Halar)
7	AFXXXXXXXX-XX	Cap
8	AMF46501-05	Plastic Plug
9	AF6503001001-05	Nut
10	AF8001502101-03	Supporting Plate
11	APB46501-11	31.3*3.53 Encapsulated O-ring
12	AMF46501-03	68*5.33 Encapsulated O-ring
13	AF6503000001-03	1/4" Plug
14	AF6503000001-04	Washer
15	AFXXXXXXXX-XX	Spring

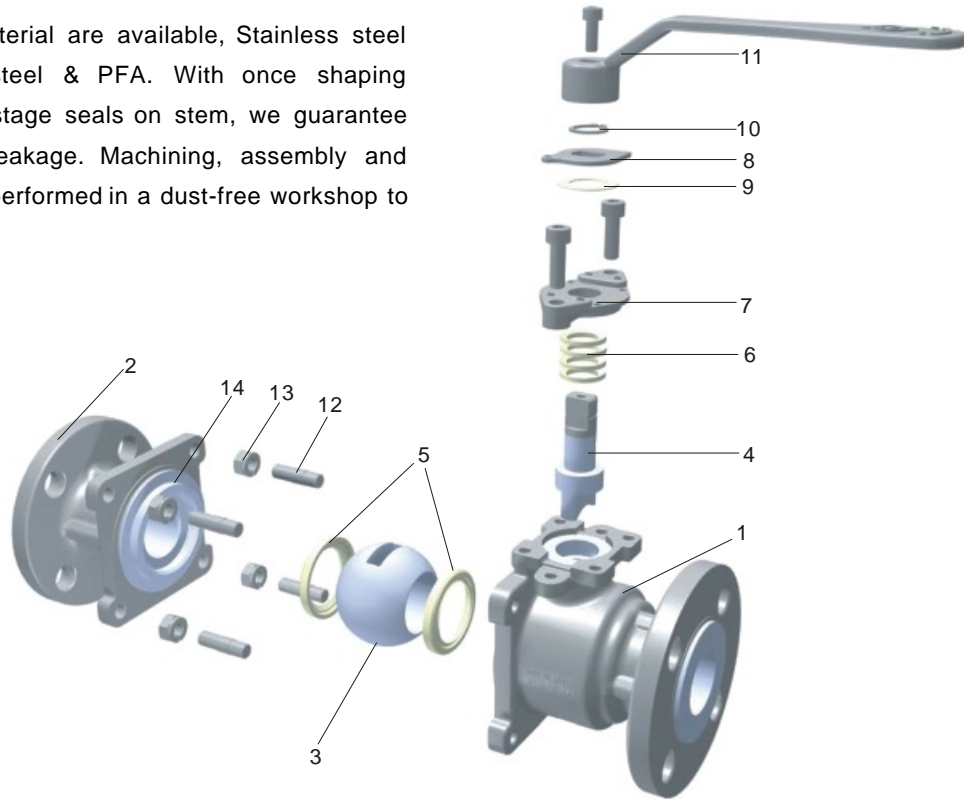
Guard cooperates with South Korean Company K2N Co. Ltd. on design and development of PFA lined valves. We source our first class raw PFA material from Daikin and Dupont and our lining in South Korea. Our PFA material has a very good chemical resistance, excellent chemical properties and the material contains components that counteract rapid ageing. Our PFA Valves are used for transport and storage of dangerous cargoes by companies like Samsung Electronics, Semiconductor, Liquid Crystal and SK Chemical.



DN Size			L(mm)			HL (mm)	TL(mm)			φ d(mm)			φ g(mm)			φ D(mm)			H (mm)	Weight (kg)
JIS10K	ANS150#	DINPN16	JIS10K	ANS150#	DINPN16		JIS10K	ANS150#	DINPN16	JIS10K	ANS150#	DINPN16	JIS10K	ANS150#	DINPN16	JIS10K	ANS150#	DINPN16		
15A	1/2 "	DN15	140	127	140	120	197	186	197	20	20	20	52	49	52	95	89	98	158.5	3.7
20A	3/4 "	DN20	152	127	152	120	202	192	202	20	20	20	52	49	52	100	98.5	105	158.5	3.7
25A	1 "	DN25	165	127	165	165	252	242	252	25	25	25	60	51	60	125	108	115	172.5	4.8
40A	1-1/2 "	DN40	191	165	191	190	299	283	299	36	36	36	79	70	79	140	127	150	193.5	7.7
50A	2 "	DN50	210	178	210	230	342	329	342	50	50	50	95	95	95	155	152	165	226	12.7
65A	2-1/2 "	DN65	240	203	240	260	395	393	395	64	70	64	112	112	112	175	178	185	257	18.5
80A	3 "	DN80	250	203	283	280	420	393	420	74	70	74	123	123	123	185	191	200	267	19.7
100A	4 "	DN100	280	229	305	300	440	413	440	92	92	92	147	147	147	210	229	220	314.5	33.8
150A	5 "	DN150	267	267	267	-	-	-	-	138	138	138	210	210	210	280	279	285	-	88.5

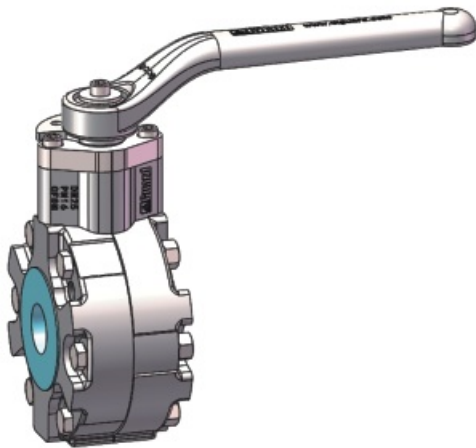
## Part Drawing

Two kinds of material are available, Stainless steel & PFA and carbon steel & PFA. With once shaping technology and multistage seals on stem, we guarantee our valves without leakage. Machining, assembly and testing of valves are performed in a dust-free workshop to ensure purity..



Item	Description	Stainless steel	Crabon steel/Iron
1	Body	SCS13A PFA Lined	SCPH2/WCB/DI PFALined
2	Cap	SCS13A PFA Lined	SCPH2/WCB/DI PFALined
3	Ball	SCS13A PFA Lined	SCS13A PFA LINED
4	Stem	SCS13A PFA Lined	SCS13A PFA LINED
5	Seat Rings	PTFE	PTFE
6	V-Ring	PTFE	PTFE
7	Gland	SCS13A	SCPH2
8	Indicator	SUS304	SUS304
9	Gasket	PTFE	PTFE
10	Snap Ring	SUS304	SUS304
11	Handle(Lever)	SCS13A	SCPH2
12	Bolt	SUS304	SUS304
13	Nut	SUS304	SUS304
14	Washer	SUS304	SUS304

\* This table is standard for SKY PFA lined ball valve, please contact us for the other material.



1" PFA Lined Ball Valve - left open or right open with lead seal hole. Adopt one-piece ball stem design, with double sealing effect, series ball valve can be manually or add actuator, the lining layer adopts soluble PTFE high-purity raw materials, with excellent corrosion resistance, high (low) temperature resistance, non-adhesive and electrical insulation, can resist the corrosion of various strong acids, strong alkalis, strong oxidants. It has the advantages of quick and convenient opening and closing, and small opening and closing force; the shorter connection size can be suitable for various occasions.

Part No.: QAFA2501-00

Connection:

Container Flange  $4 \times 1/2-13\text{UNC} \times \text{PCD}79.4$

Outlet  $4 \times 1/2-13\text{UNC} \times \text{PCD}79.4$

Nominal Diameter: 25mm

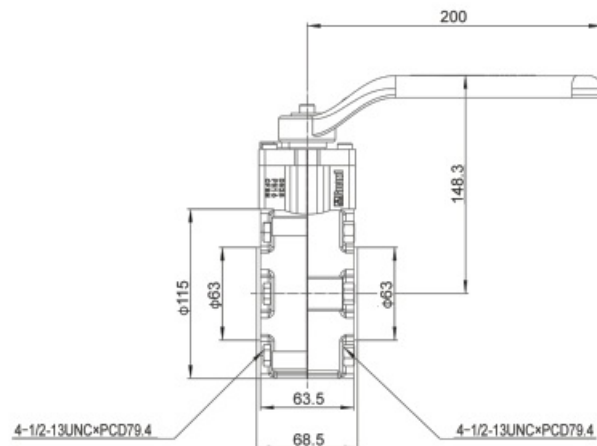
MAWP: 16Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

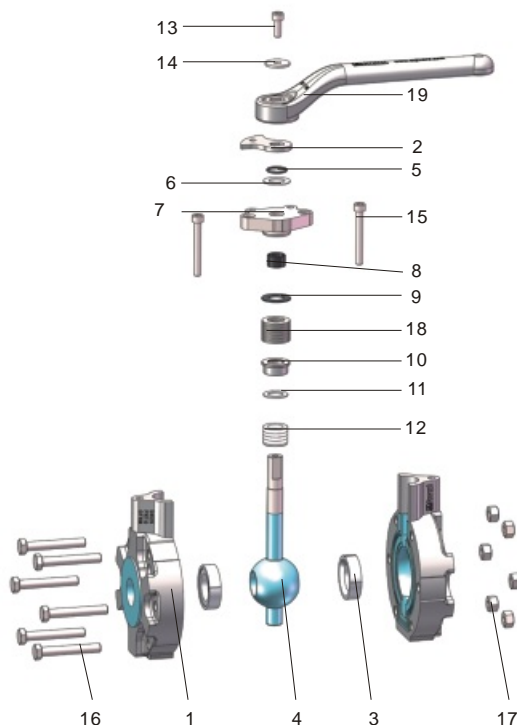
Contact Parts: 316/PFA

Seal: PTFE

### Fitting Details



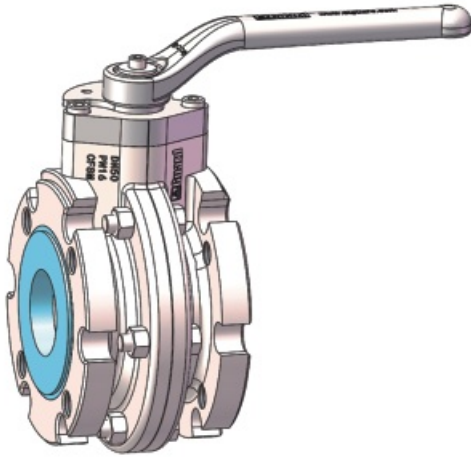
### Part Drawing



Item	Part No.	Description
1	QAFA2501-01	Body
2	QAFA2501-02	locating plate
3	QAFA2501-03	Valve Seat
4	QAFA2501-04	Ball
5	QAFA2501-05	O-Ring
6	QAFA2501-06	Washer
7	QAFA2501-07	Rhombic gland
8	QAFA2501-08	Self-lubricating Bearing
9	QAFA2501-09	Washer
10	QAFA2501-10	Junk Ring
11	QAFA2501-11	Washer
12	QAFA2501-12	Packing
13	85988100M6*16	Capscrew
14	859821006	Gasket
15	85988100M6*50	Capscrew
16	85983500M8*55	Bolt
17	85984400M8	Nut
18	QAFA2501-13	Spring
19	QAFA2501-14	Handle



## 2" PFA Lined Ball Valve



2" PFA Lined Ball Valve - left open or right open with lead seal hole. Adopt one-piece ball stem design, with double sealing effect, series ball valve can be manually or add actuator, the lining layer adopts soluble PTFE high-purity raw materials, with excellent corrosion resistance, high (low) temperature resistance, non-adhesive and electrical insulation, can resist the corrosion of various strong acids, strong alkalis, strong oxidants. It has the advantages of quick and convenient opening and closing, and small opening and closing force; the shorter connection size can be suitable for various occasions.

Part No.: QAFA5001-00

Connection:

Container Flange  $4 \times 5/8-11\text{UNC} \times \text{PCD}120.6$

Outlet  $4 \times 5/8-11\text{UNC} \times \text{PCD}120.6$

Nominal Diameter: 50mm

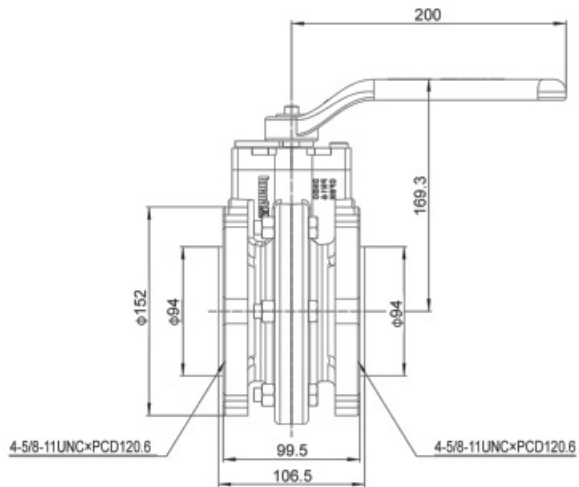
MAWP: 16Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

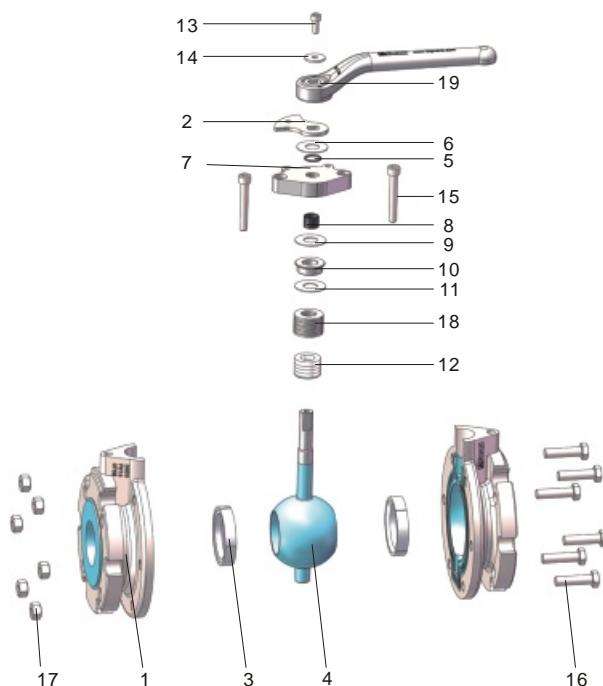
Contact Parts: 316/PFA

Seal: PTFE

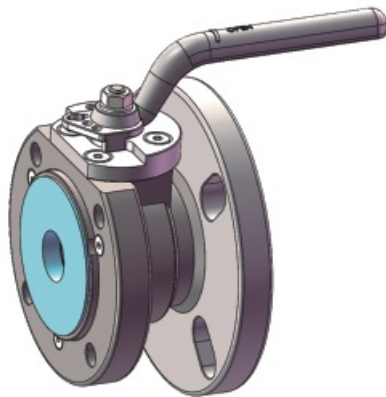
Fitting Details



### Part Drawing

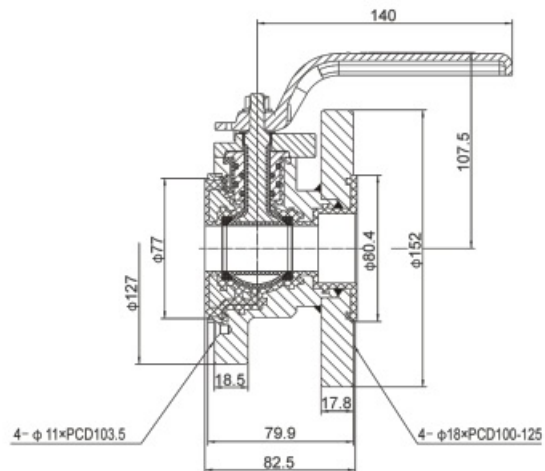


Item	Part No.	Description
1	QAFA5001-01	Body
2	QAFA5001-02	locating plate
3	QAFA5001-03	Valve Seat
4	QAFA5001-04	Ball
5	QAFA5001-05	O-Ring
6	QAFA5001-06	PTFE Washer
7	QAFA5001-07	Rhombic gland
8	QAFA5001-08	Self-lubricating Bearing
9	QAFA5001-09	Washer
10	QAFA5001-10	Junk Ring
11	QAFA5001-11	Washer
12	QAFA5001-12	Packing
13	85988100M6*16	Capscrew
14	859821006	Gasket
15	85988100M8*55	Capscrew
16	85983500M10*40	Bolt
17	85984400M10	Nut
18	QAFA5001-13	Spring
19	QAFA5001-14	Handle



1" PFA Lined Air Inlet Ball Valve - left open or right open with lead seal hole. Adopt one-piece ball stem design, with double sealing effect, the lining layer adopts soluble PTFE high-purity raw materials, with excellent corrosion resistance, high (low) temperature resistance, non-adhesive and electrical insulation, can resist the corrosion of various strong acids, strong alkalis, strong oxidants. It has the advantages of quick and convenient opening and closing, and small opening and closing force.

Fitting Details



Part No.: QAF64001-00

Connection:

Container Flange 4× φ 11×PCD103.5

Outlet 4 φ 18×PCD120-125

Nominal Diameter: 25mm

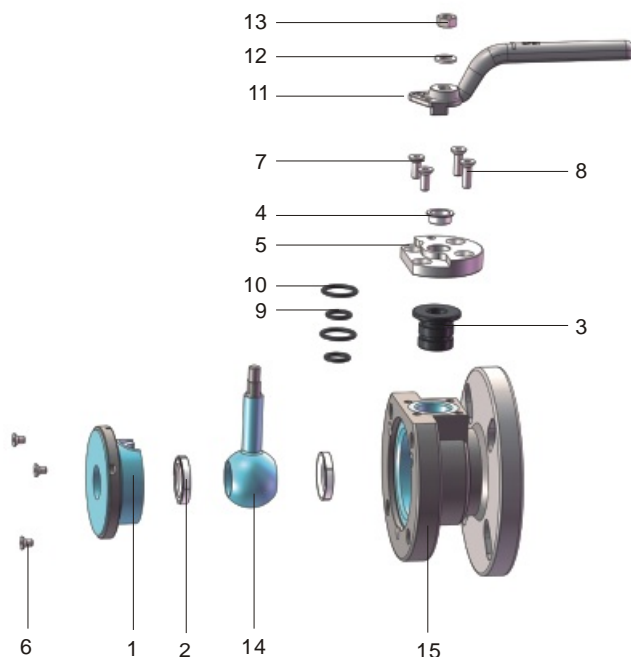
MAWP: 6.9Bar

Design Temperature: - 40°C ~ + 190°C

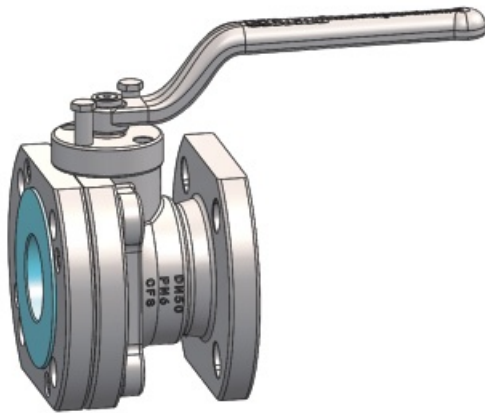
Contact Parts:304/PFA

Seal: PTFE

## Part Drawing

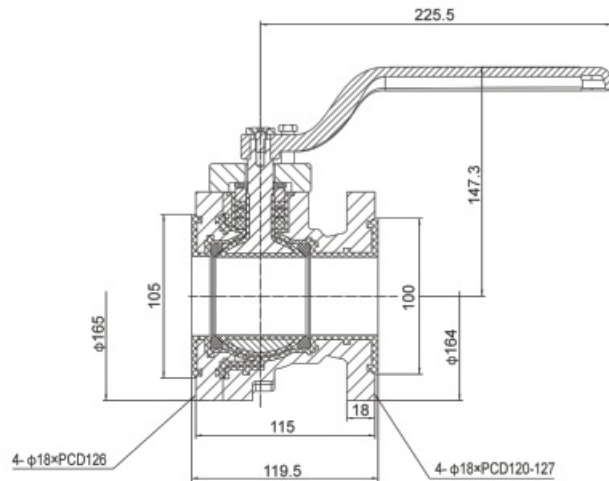


Item	Part No.	Description
1	QAF64001-02	Plug
2	QAF64001-03	Main Seal
3	QAF64001-10	Junk Ring
4	QAF64001-08	Lubricated Bearing
5	QAF64001-07	Stuffing Clamp
6	859988005*8	Countersunk Setscrew
7	859988006*16	Countersunk Setscrew
8	859988006*20	Countersunk Setscrew
9	85A9000015*2.65	O-ring
10	85A9000020*2.65	O-ring
11	QKB04001-09	1.5" Handle
12	859810008	Washer
13	85984500M8	Nut
14	QAF64001-04-00	One-piece Ball Stem
15	QAF64001-01-00	Valve Body Assembly



2" PFA Lined Ball Valve - left open or right open. Adopt one-piece ball stem design, with double sealing effect, the lining layer adopts soluble PTFE high-purity raw materials, with excellent corrosion resistance, high (low) temperature resistance, non-adhesive and electrical insulation, can resist the corrosion of various strong acids, strong alkalis, strong oxidants. It has the advantages of quick and convenient opening and closing, and small opening and closing force.

### Fitting Details



Part No.: QAF65001-00

Connection:

Container Flange  $4 \times \phi 18 \times \text{PCD}126$

Outlet  $4 \phi 18 \times \text{PCD}120-127$

Nominal Diameter: 50mm

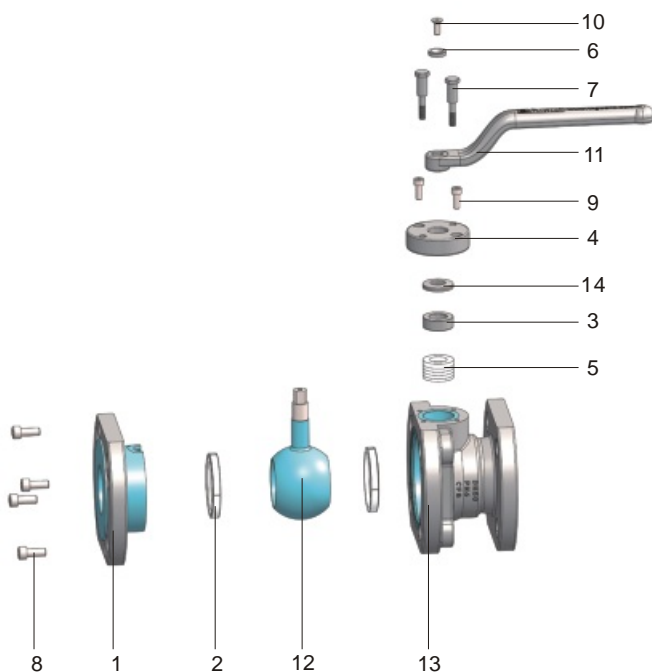
MAWP: 6.9Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +190^{\circ}\text{C}$

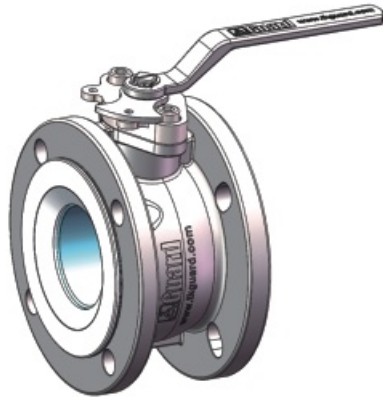
Contact Parts: 304/PFA

Seal: PTFE

### Part Drawing

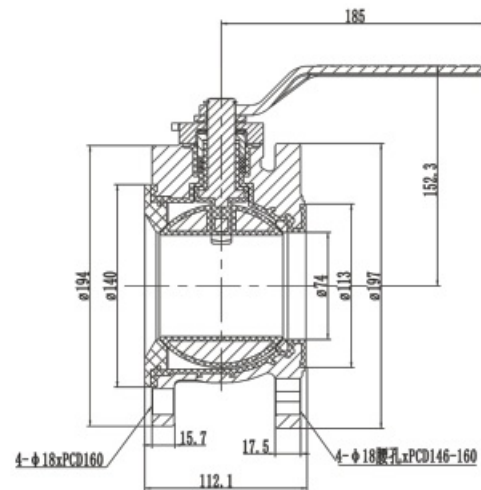


Item	Part No.	Description
1	QAF65001-02	Plug
2	QAF65001-03	Main Seal
3	QAF65001-10	Junk Ring
4	QAF65001-07	Stuffing Clamp
5	QAF65001-12	Spindle Packing
6	QAF65001-08	Washer
7	QAF65001-06	Limited Mast
8	859988008*20	Stop Bolt
9	859988006*16	Stop Bolt
10	859988005*15	Countersunk Setscrew
11	QKB04001-09	1.5" Handle
12	QAF65001-04-00	One-piece Ball Stem
13	QAF65001-01-00	Valve Body Assembly
14	QAF65001-13	Belleville Spring



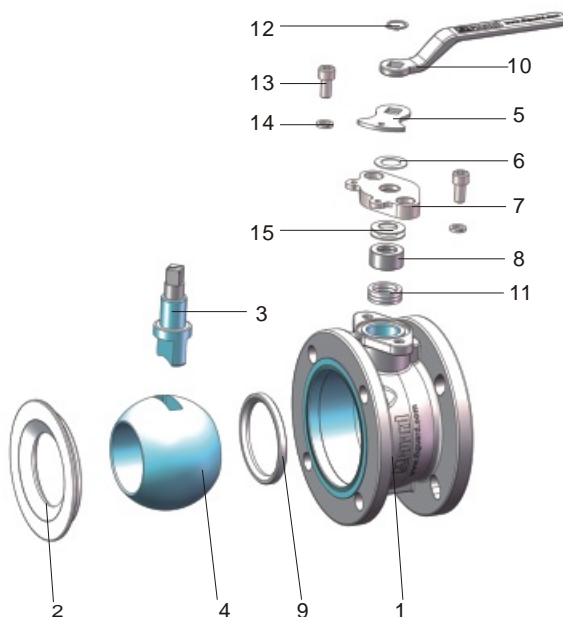
3" PFA Lined Ball Valve - left or right opening with lead seal hole. Sealing seat is floating type, with double sealing effect, adjust the valve seal by adjusting the connecting bolt, series ball valve can be manually or add actuator, can be used in top discharge. The lining layer is made of soluble PTFE high-purity raw material, which has excellent corrosion resistance, high (low) temperature resistance, non-adhesive and electrical insulation, and can resist corrosion of various strong acids, strong alkalis and strong oxidizers. It has the advantages of quick and convenient opening and closing, and small opening and closing force.

### Fitting Details



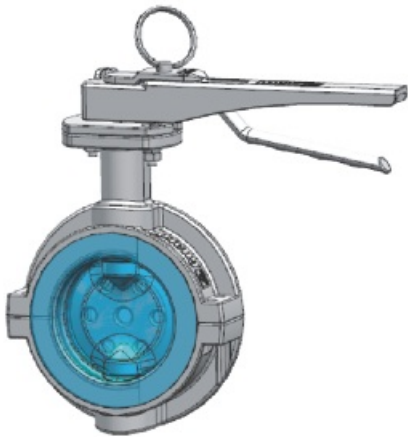
Part No.: QAF78001-00  
 Connection:  
     Container Flange 4 × φ 18 × PCD160  
     Outlet 4 × φ 18 × PCD146-160  
 Nominal Diameter: 80mm  
 MAWP: 7Bar  
 Design Temperature: - 40°C ~ + 130°C  
 Contact Parts: 316/PFA  
 Seal: PTFE

### Part Drawing



Item	Part No.	Description
1	QAF78001-01	Body
2	QAF78001-10	Valve Seat
3	QAF78001-03	Spindle
4	QAF78001-04	Ball
5	QAF78001-05	locating plate
6	QAF78001-06	Washer
7	QAF78001-07	Rhombic gland
8	QAF78001-08	Junk Ring
9	QAF78001-09	Valve Seat
10	QLF6500113	Handle
11	QLF6800108	Packing
12	8598120020	Snap Ring
13	85988100M10*20	Capscrew
14	8598110010	Spring Washer
15	QLF6500110	Washer

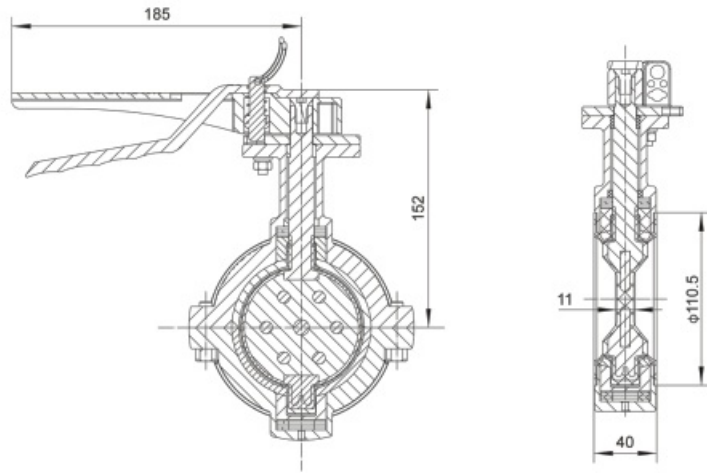
# 3" PFA-lined Clamped Butterfly Valve



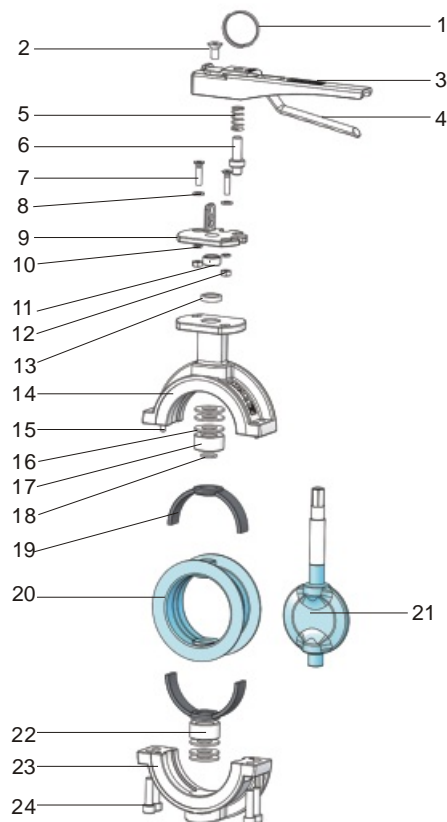
Part No : DLJ68013-00  
 Connection : Clamp  
 Nominal Diameter : 76.5mm  
 Nominal Pressure : 6Bar  
 Design Temperature : - 40°C ~ +200°C  
 Contact Parts : PFA  
 Seal : PTFE、PFA、VITON

3" PFA-lined Clamped Butterfly Valve: the valve body is made of stainless steel, including PFA bushing, valve plate and spindle components are lined with PFA, and the material of contact parts with media is PFA, which can improve the corrosion resistance of the valve.

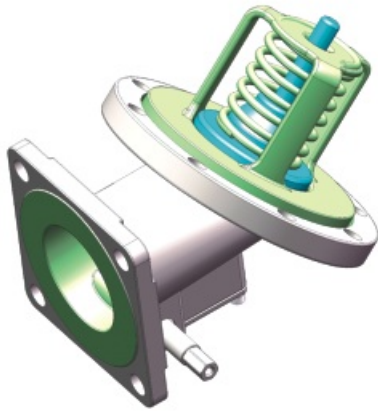
## Fitting Details



## Part Drawing



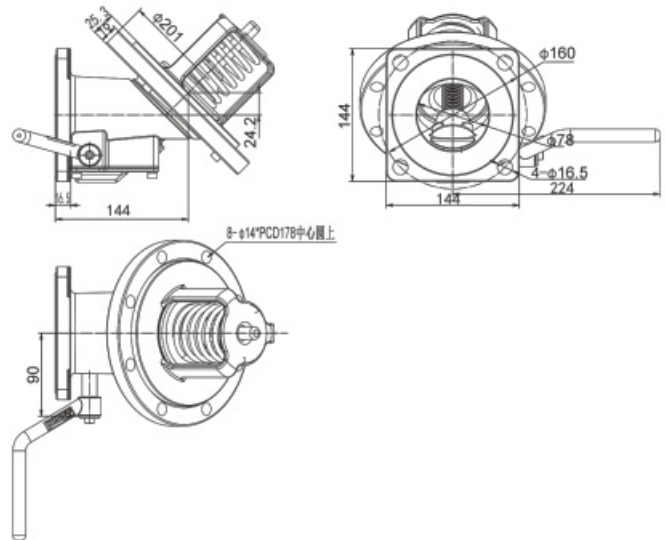
Item	Part No.	Description
1	DLJ68001-16	Split Ring
2	85988800M8*16	Countersunk Setscrew
3	DLJ68002-13	Operating Lever
4	DLJ68002-12	Handle
5	DLJ68001-15	Handle Location Spring
6	DLJ68001-14	Handle Location Pin
7	85988300M6*25	Sockethead Capscrew
8	859810006	Plain Washer
9	DLJ68001-11	Stuffing Clamp
10	859811006	Spring Washer
11	DLJ68013-05	Split Bearing
12	85985000M6	Nut
13	DLJ68013-06	Peek Bush
14	DLJ68013-01-01	Body
15	859863005*16	Round Pin
16	DLJ68013-09	Disc Spring
17	DLJ68013-07	Valve Stem Fixed Sleeve
18	8532000016*1.8	O-ring
19	DLJ68013-04	Support Rubber
20	DLJ68013-02	PFA-line
21	DLJ68013-03-00	Valve Plate Kit
22	DLJ68013-08	Valve Plate Retainer
23	DLJ68013-01-02	Body
24	85988100M8*30	Hexagon Socket Cap Screws



3" 45° Halar Coated Foot Valve - Inlet flange drilled 8 × φ 14mm holes equi-spaced on a PCD φ 178. Outlet flange drilled 8 × φ 16.5mm holes equi-spaced on a PCD φ 160.

The valve body is made of 316 stainless steel. The materials of parts contacting the goods are coated with Halar coating. The jacking rod head is covered with PTFE. Main seal is encapsulated O-Ring.

### Fitting Details



Part No: JS468025-00

Connection:

Flange Drilled: 8 × φ 14 × PCD178

Outlet: 4 × φ 16.5 × PCD160

Nominal Diameter: 80mm

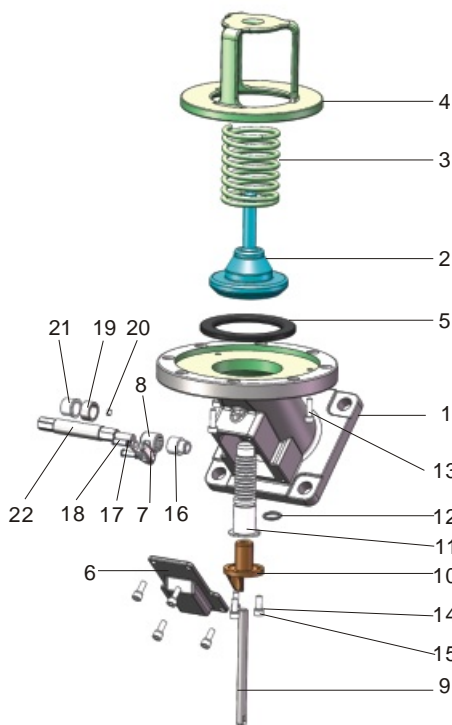
Nominal Pressure: 2.67Bar

Design Temperature: -20°C-+100°C

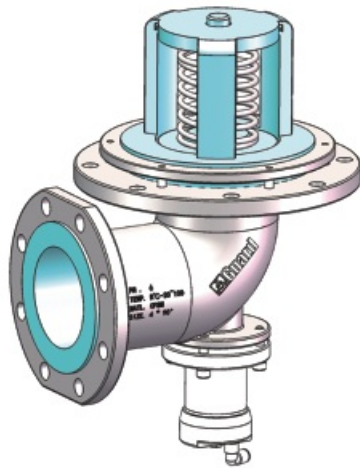
Contact Parts: Halar

Seal: Viton

### Part Drawing

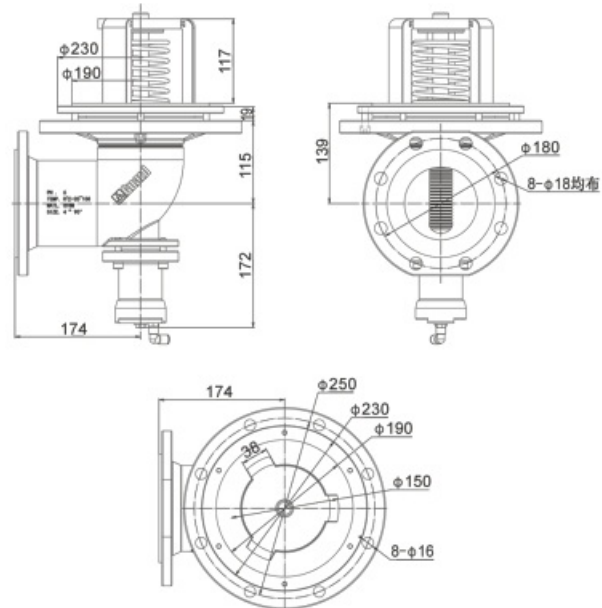


Item	Part No.	Description
1	JS468025-01	Body
2	JS468025-02	Solid Poppet
3	JS468025-15	Spring
4	JS468025-03	Spring Top Plate
5	JS468025-04	Gasket
6	JS468025-12	Stuffing Clamp
7	JS468025-08	Crank
8	JS468025-07	Connection Sleeve
9	JS468025-06	Top Rod Shaft
10	JS468025-13	Fixed Sets
11	JS468025-05	Retractable Sleeve
12	8532000020*2.65	O-Ring
13	85998100M6*20	Capscrew
14	859811006	Spring Washer
15	85998100M6*16	Capscrew
16	JS468025-10	Bottom Sleeve
17	JS468001-06-04	Washer
18	JS468001-06-03	Hinge Pin
19	JS468025-14	Location Tube
20	85998000M5*6	Hexagon Socket Flat End Set Screws
21	JS468025-11	Upper Sleeve
22	JS468025-09	Spindle



4" 90° Bottom Discharge(Coating) - The inlet flange is 8× φ 16 on the flange surface of PCD 250mm. The outlet flange is 8× φ 18 on the flange surface of PCD 180mm. The products can also be equipped with emergency cutting and high temperature melting device, the main seal uses fluorine rubber.

### Fitting Details



Part No. : JZ964C10-00

Connection:

Flange drilled 8× φ 16×PCD250

Outlet 8× φ 18×PCD180

Nominal Diameter: 100mm

Nominal Pressure: 6Bar

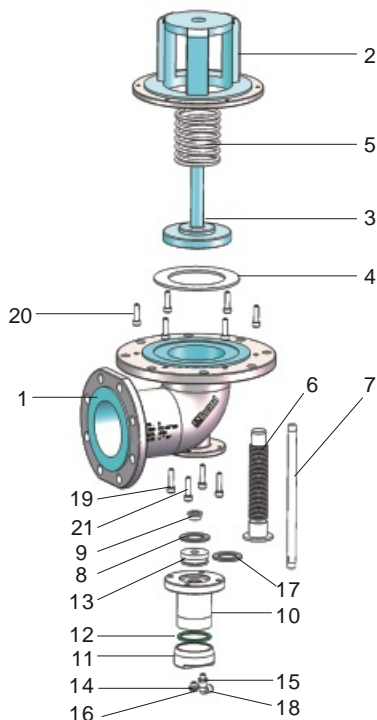
Contact Parts: Coating

The Valve Plate Seal is VITON

Design Temperature:-20°C~100°C

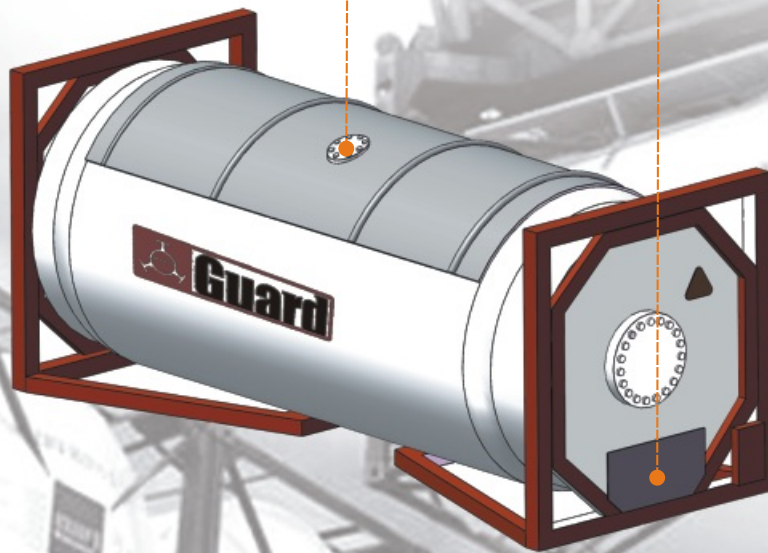
Weight: 25kg

### Part Drawing



Item	Part No.	Description
1	8301JZ964C1001	Body
2	8301JZ964C1002	Spring Top Plate
3	8301JZ964C1003	Solid Poppet
4	8232JZ964C1004	Main Gasket
5	8395JZ964C0504	Spring
6	8261JZ964C1005	Sleeve
7	8299JZ964C1007	Cylinder shaft
8	8232JZ964C1006	Gasket
9	8261JZ964C1012	Crankshaft End Bush
10	8301JZ964C1009	Cylinder Upper Seat
11	8301JZ964C1010	Cylinder Lower Seat
12	8232JZ964C1011	Gasket
13	8299JZ964C1008	Valve Plate
14	853200009*2.65	O-ring
15	8240JZ964C0233	Fusible Label
16	85829400M10	Fusible Plug
17	85320010Y50*40*8L2	Gasket
18	859896006-DN6	Couple
19	8599110008	Spring Washer
20	85998100M8*30	Capscrew
21	85998100M8*35	Capscrew

# T50 Tank Valve

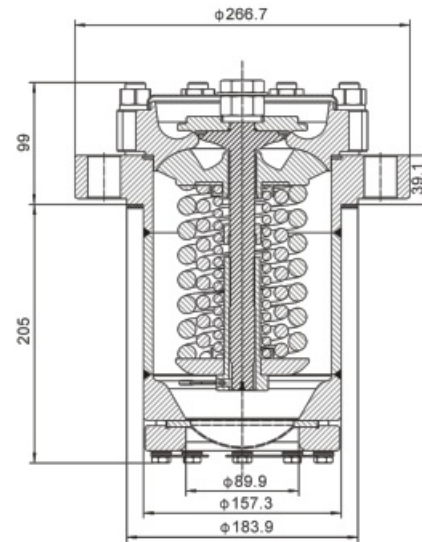






T50 Gas Relief Valve— Pressure range of 100~525.5PSI(6.90 ~ 36.24Bar). Design temperature -55°C ~ 80°C. Contact parts in 316 stainless steel with RTFE seal.

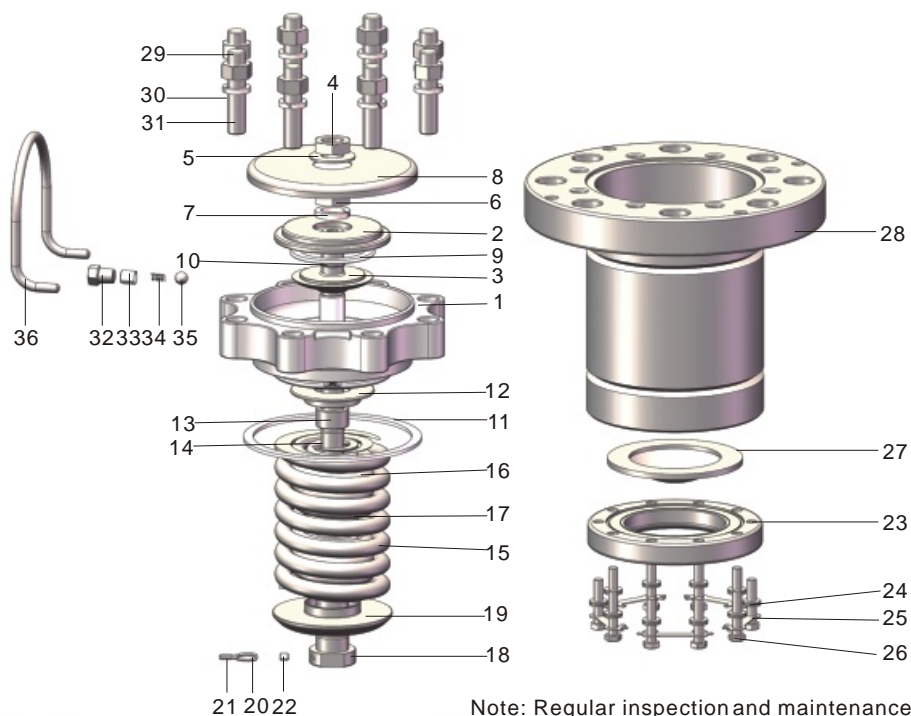
### Fitting Details



Part No. : AF8034480001  
 Norminal Diameter: DN80  
 Design Pressure: 63Bar  
 Design Temperature: -55°C ~ 80°C  
 Material: 316

◆ Different pressure and vacuum settings are available.

### Part Drawing



Note: Regular inspection and maintenance are necessary.

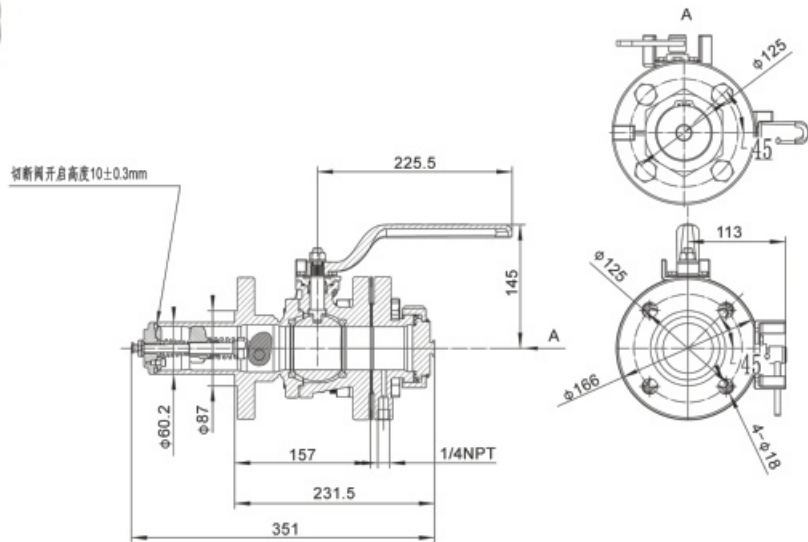
Item	Part No.	Description
1	AF8034480001-01-00	Body Assembly
2	AF8034480001-02	Poppet Head
3	AF8034480001-03	Poppet
4	AF8034480001-04	Lock Nut
5	AF8034480001-05	Washer
6	AF8034480001-06	Full Nut
7	8598130020	Spring Washer
8	AF8034480001-07	Cowl
9	8559000019*1.8	φ 19×1.8 O-Ring
10	AF8034480001-08	Main Seal
11	AF8034480001-09	Gasket
12	AF8034480001-10	Top Spring Locator
13	AF8034480001-12	Spring Retainer
14	AF8034480001-13	Ring Clip
15	AF8034480001-14	Spring
16	AF8034480001-15	Spring
17	AF8034480001-16	Spring
18	AF8034480001-17	Lock Nut
19	AF8034480001-18	Bottom Spring Locator
20	AF8034480001-19	Tamper Wire
21	AF8034480001-20	Stainless Ferrule
22	85998000M6*12	Capscrew
23	AF8034480001-21	Rupture Disc Adaptor Flange
24	AF8034480001-22	Belleville Washer
25	AF8034480001-23	Gasket
26	85993300M8*40	Capscrew
27	AF8034480001-24	Rupture Disc
28	AF8034480001-25-00	Body Welded Parts
29	85984400M16	Nut
30	8598110016	Spring Washer
31	AF8034480001-26	Stud
32	AF8034480001-27	1/4 Plug
33	AF8034480001-28	Ball Seal
34	AF8034480001-29	Spring
35	AF8034480001-30	Ball
36	AF8034480001-31	Gauge Protection



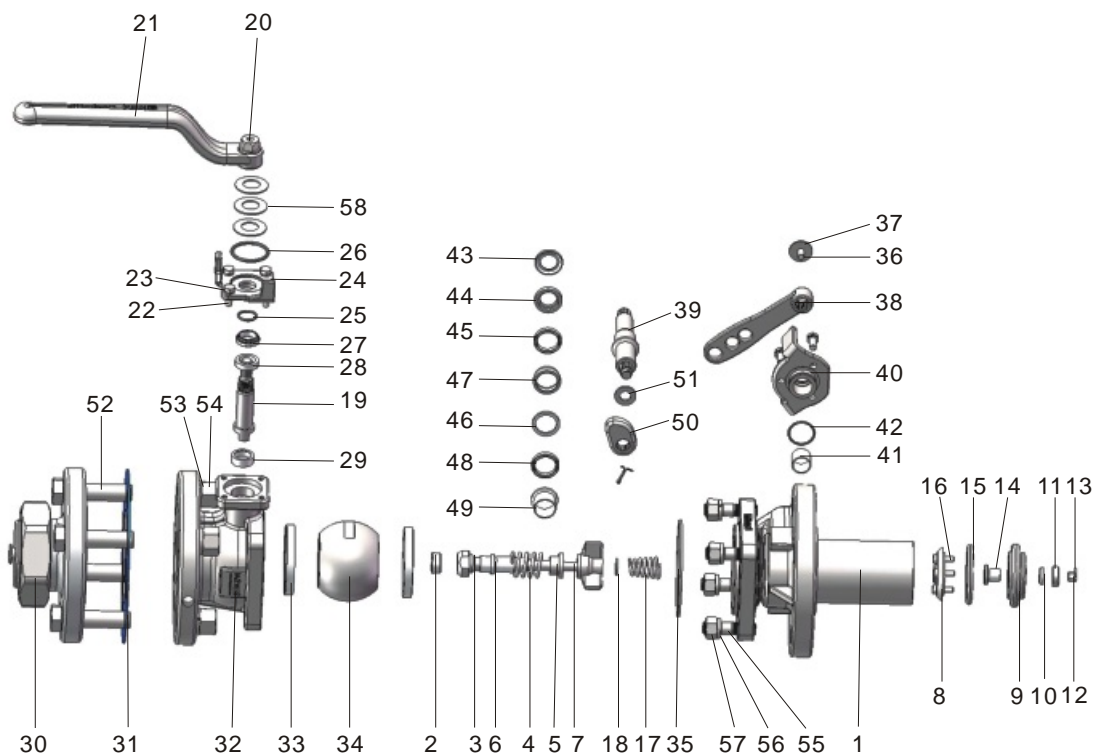
2" T50 Liquid Valve—500PSI(34.5bar) pressure setting, test pressure 1015PSI(70 Bar). Inlet flange drilled 4× φ 18 holes equi-spaced on 125mm PCD. Complete with 2" ball valve. Supplied with a 3.25" ACME outlet and cap.

Part No. : QGQ21D5001-00  
 Norminal Diameter: DN50  
 Design Pressure: 40Bar  
 Design Temperature: -55°C-80°C  
 Material: 316

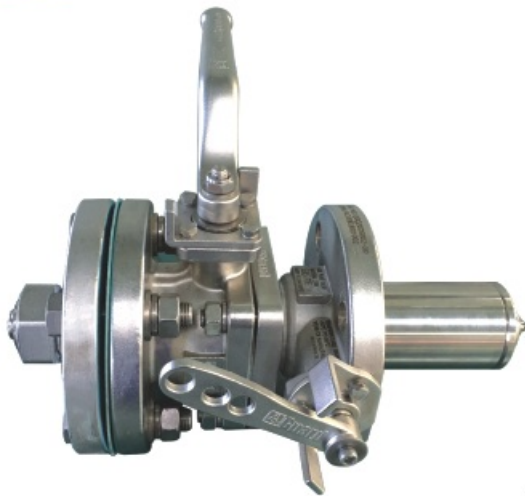
Fitting Details



## Part Drawing



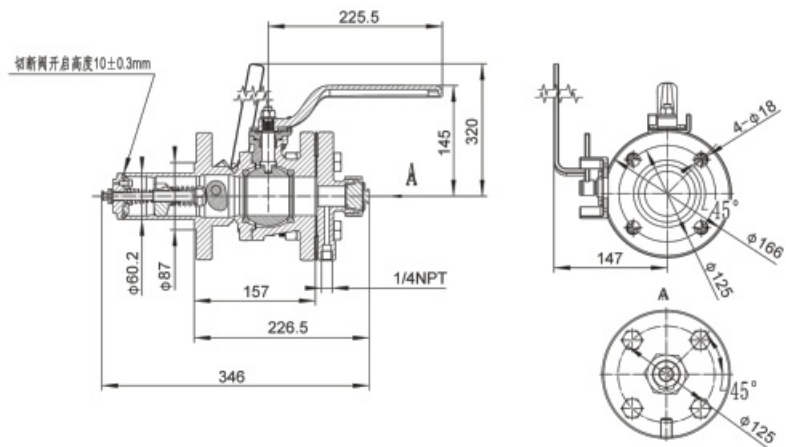
序号 Item	零件图号 Part No.	零件名称 Description	序号 Item	零件图号 Part No.	零件名称 Description
1	QGQ21D5002-01	Foot Valve Body	30	QGQ21D5001-04-00	Flanged Outlet
2	QGQ21D5001-02	Supporting Part	31	11500003-00	Gasket
3	QGQ21D5001-03	Push Stem	32	QGQ21D5001-26	Body
4	QGQ21D5001-04	Spring	33	QGQ21D5001-27	Ball Seat
5	QGQ21D5001-05	Spring Pad	34	QLF65001-02	Ball
6	QGQ21D5001-06	Stem Guide Bush	35	QGQ21D5001-28	Gasket
7	QGQ21D5001-07	Stem Guide	36	85988100M6*12	Cap Screw
8	QGQ21D5001-09	Poppet Head	37	JZ964C01-08	Washer
9	QGQ21D5001-10	Seal	38	QGQ21D5001-29	Handle
10	QGQ21D5001-11	Seal	39	QGQ21D5001-30	Spindle
11	QGQ21D5001-12	Seal Retainer	40	QGQ21D5001-31	Packing Gland
12	85995400M5	Nut	41	QGQ21D5001-32	Bush
13	859960001.5*16	Split Pin	42	8599000022.5*1.8	O-Ring
14	QGQ21D5001-13	Guide Bush	43	QGQ21D5001-33	Top Bush
15	QGQ21D5001-14	Seal	44	QGQ21D5001-34	Top Junk Ring
16	GB/T 70. 1-2000	Cap Screw	45	QGQ21D5001-35	Seal
17	QGQ21D5001-15	Spring	46	QGQ21D5001-36	Bottom Junk Ring
18	QGQ21D5001-16	Spring Head	47	QGQ21D5001-37	Spindle Packing
19	QGQ21D5001-17	Spindle	48	QGQ21D5001-38	Seal
20	85984500M10	Nut	49	QGQ21D5001-39	Bush
21	QGQ21D5001-18	Handle	50	QGQ21D5001-40	Operating Cam
22	85983300M6*16	Hexagon bolt	51	8599100010	Washer
23	859811006	Spring Washer	52	85983300M16*65	Hexagon Nut
24	QGQ21D5001-20	Packing Gland	53	8598110016	Spring Washer
25	8559000016*1.8	O-Ring	54	85984400M16	Nut
26	8599000031.5*2.65	O-Ring	55	85987300M12*30	Stud
27	QGQ21D5001-21	Spindle Packing	56	8598110012	Spring Washer
28	QGQ21D5001-22	Seal	57	85984400M12	Nut
29	QGQ21D5001-23	Spindle Packing	58	QGQ21D5001-19	Belleville Washer



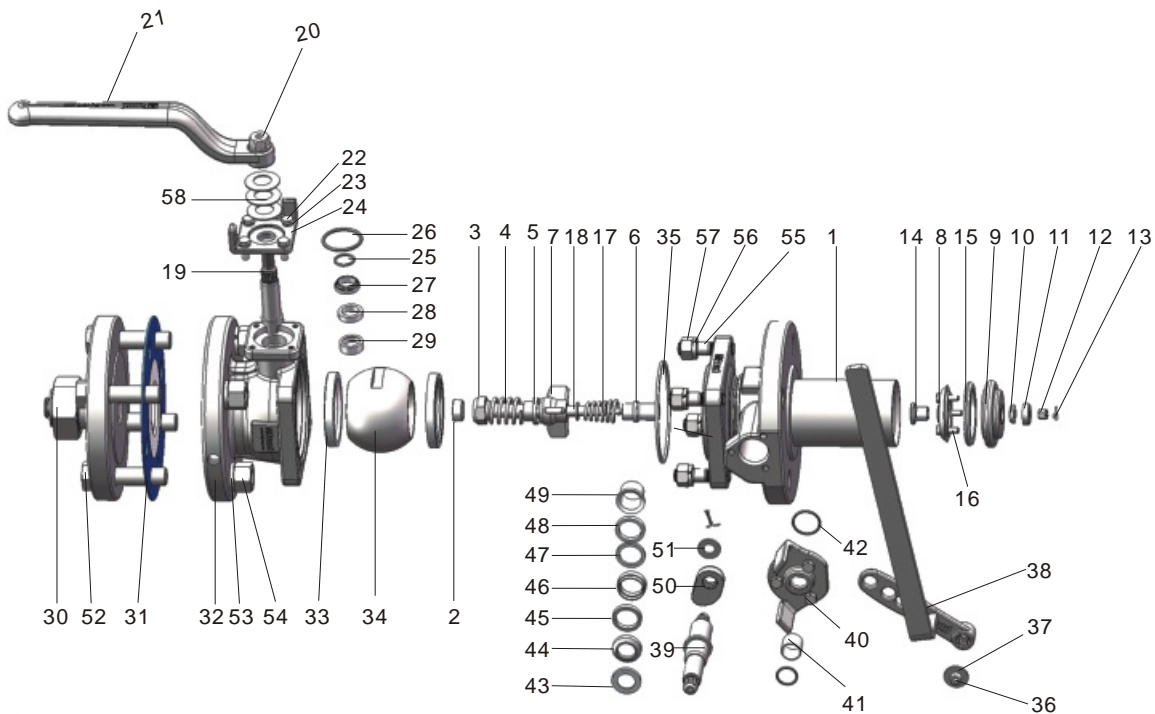
2" T50 Gas Valve—500PSI(34.5bar) pressure setting, test pressure 1015PSI(70 Bar). Inlet flange drilled 4× φ 18 holes equi-spaced on 125mm PCD. Complete with 2" ball valve. Supplied with a 1.75" ACME outlet and cap.

Part No. : QGQ21D5002-00  
 Norminal Diameter: DN50  
 Design Pressure: 40Bar  
 Design Temperature: -55°C-80°C  
 Material: CF8M

### Fitting Details



### Part Drawing



Item	Part No.	Description	Item	Part No.	Description
1	QGQ21D5002-01	Foot Valve Body	30	QGQ21D5002-04-00	Flanged Outlet
2	QGQ21D5001-02	Supporting Part	31	11500003-00	Gasket
3	QGQ21D5001-03	Push Stem	32	QGQ21D5001-26	Body
4	QGQ21D5001-04	Spring	33	QGQ21D5001-27	Ball Seat
5	QGQ21D5001-05	Spring Pad	34	QLF65001-02	Ball
6	QGQ21D5001-06	Stem Guide Bush	35	QGQ21D5001-28	Gasket
7	QGQ21D5001-07	Stem Guide	36	85988100M6*12	Cap Screw
8	QGQ21D5001-09	Poppet Head	37	JZ964C01-08	Washer
9	QGQ21D5001-10	Seal	38	QGQ21D5002-05-00	Foot Valve Handle
10	QGQ21D5001-11	Seal	39	QGQ21D5001-30	Foot Valve Spindle
11	QGQ21D5001-12	Seal Retainer	40	QGQ21D5001-31	Packing Gland
12	85995400M5	Nut	41	QGQ21D5001-32	Bush
13	859960001.5*16	Split Pin	42	8559000022.4*1.8	O-Ring
14	QGQ21D5001-13	Guide Bush	43	QGQ21D5001-33	Top Bush
15	QGQ21D5001-14	Seal	44	QGQ21D5001-34	Top Junk Ring
16	GB/T 70. 1-2000	Cap Screw	45	QGQ21D5001-35	Spindle Packing
17	QGQ21D5002-03	Spring	46	QGQ21D5001-36	Bottom Junk Ring
18	QGQ21D5001-16	Spring Head	47	QGQ21D5001-37	Spindle Packing
19	QGQ21D5001-17	Spindle	48	QGQ21D5001-38	Seal
20	85984500M10	Nut	49	QGQ21D5001-39	Bush
21	QGQ21D5001-18	Handle	50	QGQ21D5001-40	Operating Cam
22	85983300M6*16	Hexagon Bolt	51	8599100010	Washer
23	859811006	Spring Washer	52	85983300M16*65	Hexagon Nut
24	QGQ21D5001-20	Packing Gland	53	859811006	Spring Washer
25	8559000016*1.8	O-Ring	54	85984400M16	Nut
26	8559000031.5*2.65	O-Ring	55	85987300M12*30	Stud
27	QGQ21D5001-21	Spindle Packing	56	8598110012	Spring Washer
28	QGQ21D5001-22	Seal	57	85984400M12	Nut
29	QGQ21D5001-23	Spindle Packing	58	QGQ21D5001-19	Belleville Washer



51° emergency shut-off valve. Inlet flanges 8X  $\phi$  18mm are uniformly coated on  $\phi$  127 indexing circle, outlet flanges 8- $\phi$  18 are uniformly coated on  $\phi$  127 indexing circle. The valve is equipped with overcurrent emergency cutting function.

Part No : QGQ21D5004-00

Connection :

Inlet Flange 8  $\times$   $\phi$  18  $\times$  PCD127

Outlet 8  $\times$   $\phi$  18  $\times$  PCD127

Nominal Diameter : 50mm

Nominal Pressure : 25bar

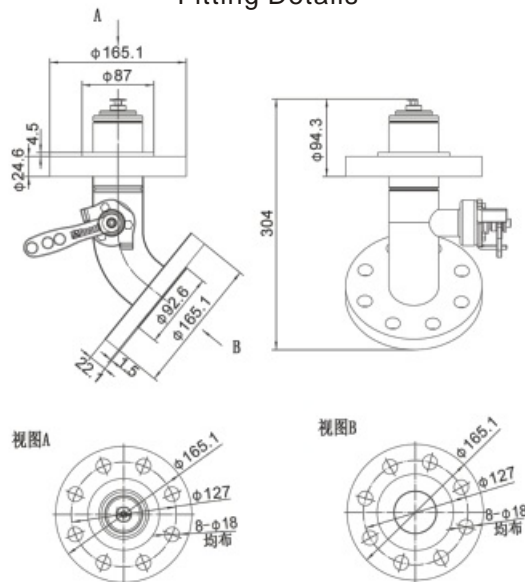
Design Temperature : - 40°C ~ + 80°C

Rated Displacement: Gas, 18m<sup>3</sup>/h Liquid, 54m<sup>3</sup>/h

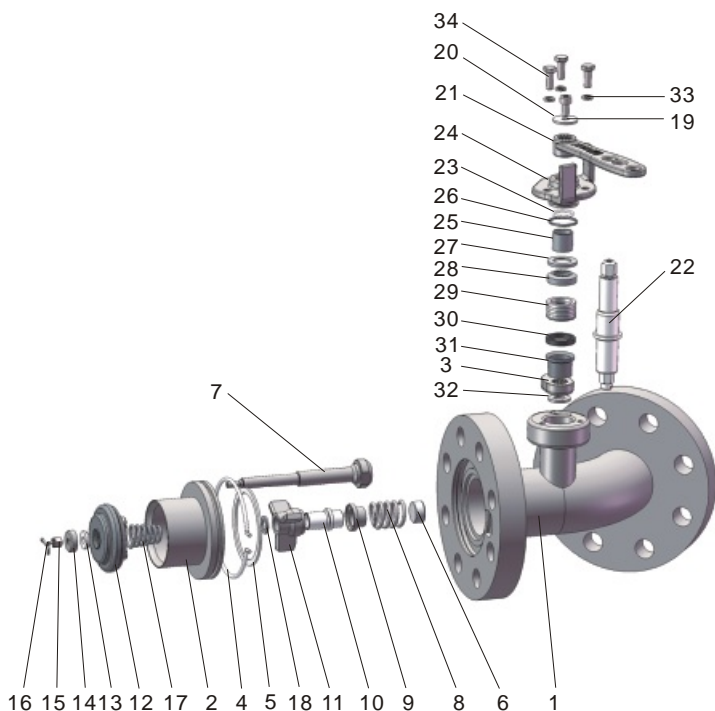
Contact Parts : CF8M

Seal : PTFE

### Fitting Details

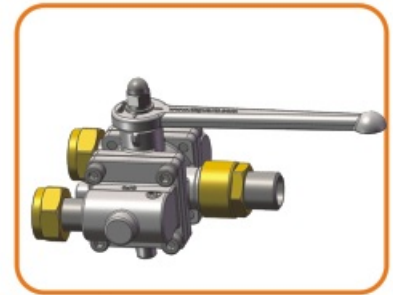


### Part Drawing



Item	Part No.	Description
1	QGQ21D5004-01-00	Body
2	QGQ21D5004-02	Valve Tube
3	QGQ21D5001-40	Cam
4	QGQ21D5004-04	Ring
5	QGQ21D5004-05	Gasket
6	QGQ21D5001-02	Trim Cam
7	QGQ21D5001-03	Lever
8	QGQ21D5002-02	Spring
9	QGQ21D5001-05	Spring Seat
10	QGQ21D5001-06	Split Bearing
11	QGQ21D5001-07	Guide Bar
12	QGQ21D5001-54	Pressure Plate
13	QGQ21D5001-11	Gasket
14	QGQ21D5001-12	Ring Seat
15	GB/T6179-86	Nut
16	GB/91-2000	Pin
17	QGQ21D5002-03	Spring
18	QGQ21D5001-16	Spring Seat
19	GB/T70.1-2000	Screw
20	GB/T5287	Gasket
21	QGQ21D5001-29	Handle
22	QGQ21D5001-30	Spindle
23	GB3452.0-92	O-ring
24	QGQ21D5001-31	Stuffing Clamp
25	QGQ21D5001-32	Bearing
26	GB3452.0-92	O-ring
27	QGQ21D5001-33	Bearing
28	QGQ21D5001-34	Junk Ring
29	QGQ21D5001-52	Stuffing
30	QGQ21D5001-38	Gasket
31	QGQ21D5001-39	Bearing
32	GB97.1-1985	Plain Washer
33	GB/T93-1981	Spring Washer
34	DIN933	Bolt

# T75 LNG Valve



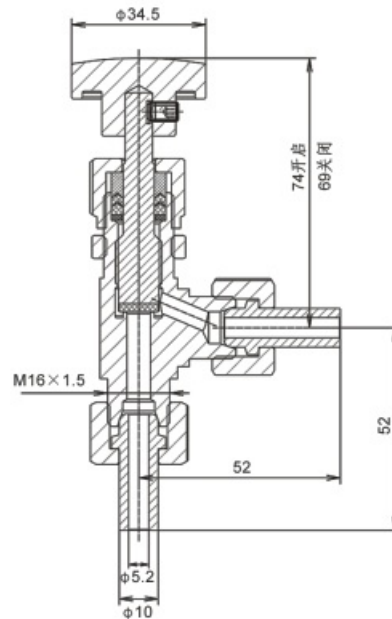


Cryogenic Needle Valve— Suitable for LNG, prevent medium from flowing back. With PCTFE seal. Design temperature range -196°C ~ 80°C.

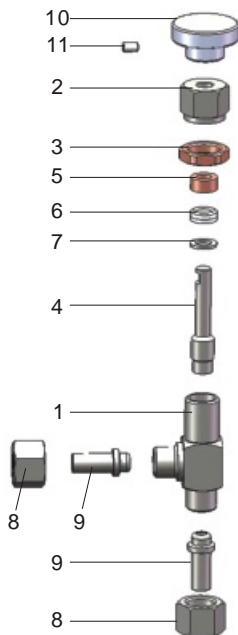


Part No. : DJJ40601-00  
 Norminal Diameter: DN6  
 Design Pressure: 40Bar  
 Material: 304  
 Seal : PCTFE、PTFE  
 Design Temperature: -196°C ~ 80°C

Fitting Details



## Part Drawing



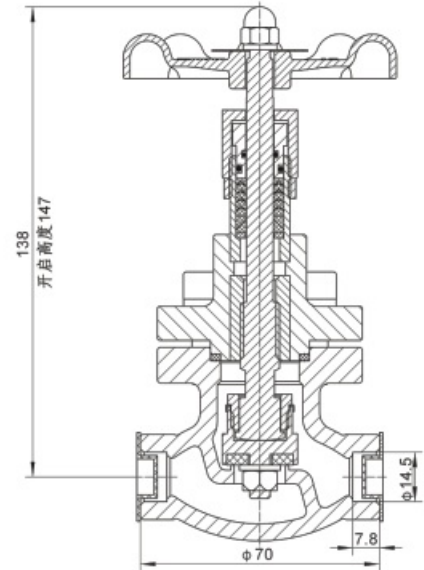
Item	Part No.	Description
1	DJJ40601-01	Body
2	DJJ40601-02	Spindle Nut
3	DJJ40601-03	Cooper Locked Nut
4	DJJ40601-04-00	Stem Assembly
5	DJJ40601-05	Ring
6	DJJ40601-06	Packing
7	DJS41001-04	Packing Washer
8	DJJ40601-08	Locked Nut
9	DJJ40601-09	Coupling
10	DJJ40601-10	Handle
11	85988000M5*8	Countersunk Locked Setscrew



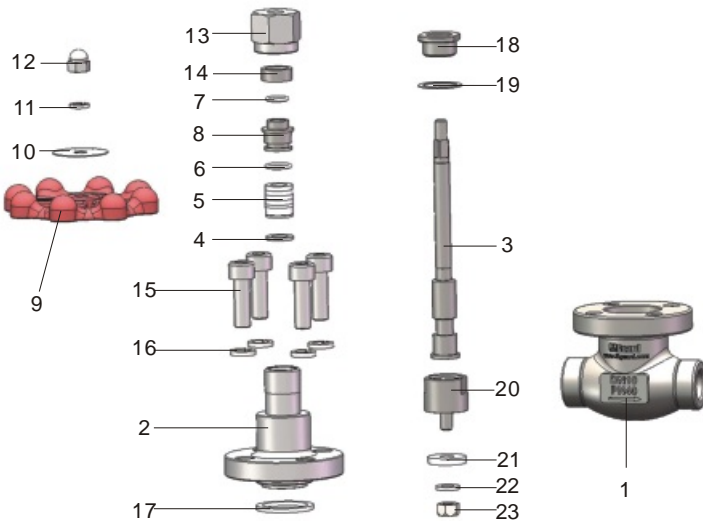
Cryogenic Globe Valve-  
Suitable for LNG or other cryogenic  
medium. With PCTFE seal. Design  
temperature range-80°C ~ 80°C.

Part No. : DJS41001-00  
Nominal Diameter: DN10  
Design Pressure: 40Bar  
Material: 304  
Seal: PCTFE、PTFE  
Design Temperature: -80°C~80°C

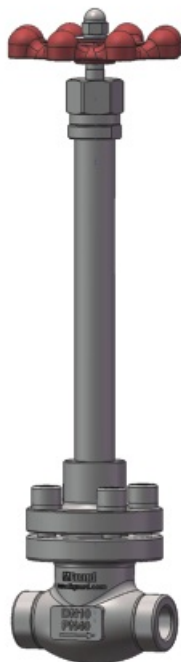
### Fitting Details



### Part Drawing



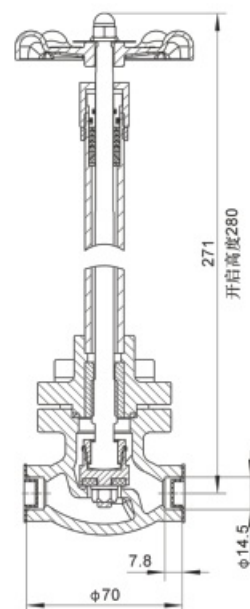
Item	Part No.	Description
1	DJS41001-01	Body
2	DJS41001-02-00	Cap
3	DJS41001-03	Spindle
4	DJS41001-04	Gasket
5	DJS41001-05/06	Spindle Packing
6	8531000011.8*1.8	O-Ring
7	853100007.8*1.8	O-Ring
8	DJS41001-07	Packing Sleeve
9	DJS41001-08	Handle
10	DJS41001-09	Washer
11	859811006	Spring Washer
12	85984800M6	Nut
13	DJS41001-10	Packing Gland
14	DJS41001-11	Spring
15	8598100M8*25	Cap Screw
16	85984500M8	Washer
17	DJS41001-12	Body Seal
18	DJS41001-13	Nut
19	DJS41001-14	Gasket
20	DJS41001-15	Pressure Plate
21	DJS41001-16	Main Seal
22	859810006	Washer
23	85984500M6	Cap Screw



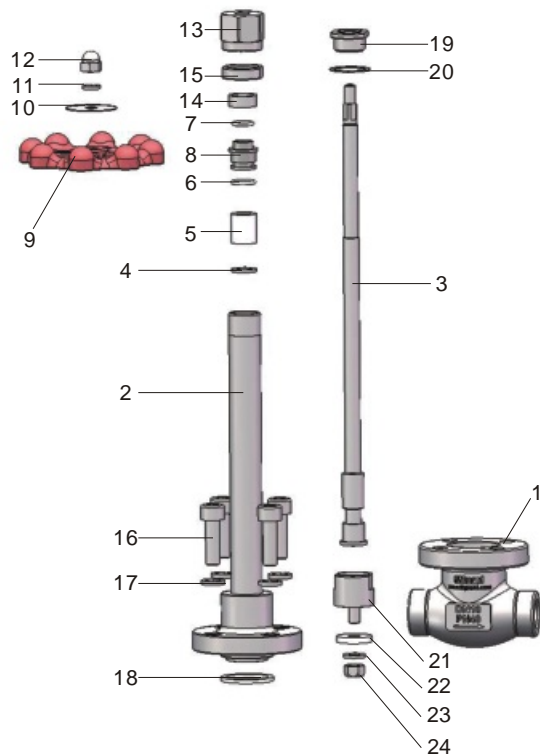
Cryogenic Globe Valve— Suitable for LNG or other cryogenic medium. With PCTFE seal. Design temperature range -196°C ~ 80°C.

Part No. : DJL41001-00  
 Norminal Diameter: DN10  
 Design Pressure: 40Bar  
 Material: 304  
 Seal: PCTFE、PTFE  
 Design Temperature: -196°C~80°C

### Fitting Details



### Part Drawing



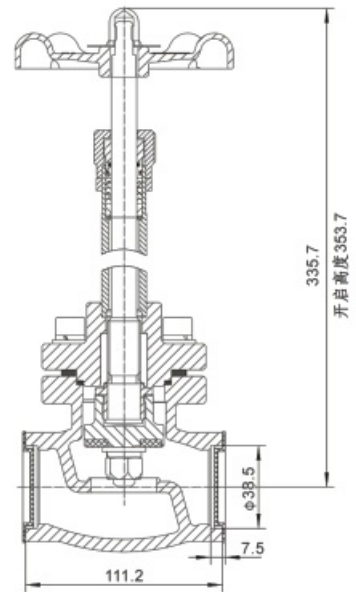
Item	Part No.	Description
1	DJS41001-01	Body
2	DJL41001-02-00	Cap
3	DJL41001-01	Spindle
4	DJS41001-04	Gasket
5	DJS41001-05/06	Spindle Packing
6	8531000011.8*1.8	O-Ring
7	853100007.8*1.8	O-Ring
8	DJS41001-07	Packing Sleeve
9	DJS41001-08	Handle
10	DJS41001-09	Washer
11	859811006	Spring Washer
12	85984800M6	Nut
13	DJS41001-10	Packing Gland
14	DJS41001-11	Spring
15	DJL41001-03	Lock Nut
16	85988100M8*25	Capscrew
17	859811008	Spring Washer
18	DJS41001-12	Body Seal
19	DJS41001-13	Nut
20	DJS41001-14	Gasket
21	DJS41001-15	Pressure Plate
22	DJS41001-16	Main Seal
23	859810006	Washer
24	85984500M6	Cap Screw



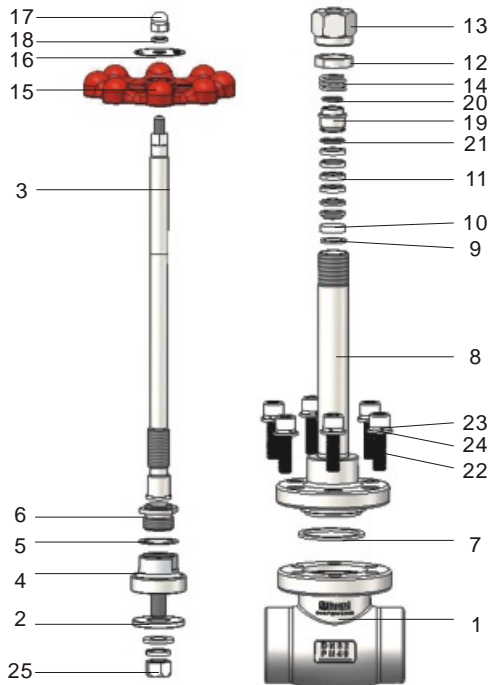
Cryogenic Globe Valve— Suitable for LNG or other cryogenic medium. With PCTFE seal. Design temperature range  $-196^{\circ}\text{C} \sim 80^{\circ}\text{C}$ .

Part No. : DJL43201-00  
 Norminal Diameter: DN32  
 Design Pressure: 40Bar  
 Material: 304  
 Seal: PCTFE、PTFE  
 Design Temperature:  $-196^{\circ}\text{C} \sim 80^{\circ}\text{C}$

Fitting Details



## Part Drawing



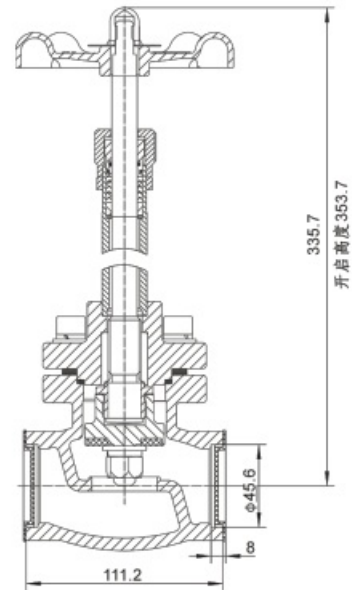
Item	Part No.	Description
1	DJL43201-01	Body
2	DJQA4001-12	Main Seal
3	DJL44001-02	Spindle
4	DJL44001-03	Closure Plate
5	DJQA4001-14	Washer
6	DJL44001-04	Nut
7	DJL44001-05	Body Seal
8	DJL4400101-00	Clamped Flange
9	DJL44001-06	Packing
10	DJL44001-07	Spindle Packing
11	DJL44001-08	Spindle Packing
12	DJL44001-10	Stuffing
13	DJL44001-11	Stuffing
14	DJL44001-12	Spring
15	DJL44001-13	Spring
16	DJL45001-13	Washer
17	85984800M8	Nut
18	859811008	Spring Washer
19	DJL44001-14	Packing
20	8531000013.5*1.8	O-RING
21	8531000016.5*1.8	O-ring
22	85988100M10*35	Cap Screw
23	8598110010	Spring Washer
24	8598100010	Washer
25	85984500M12	Nut



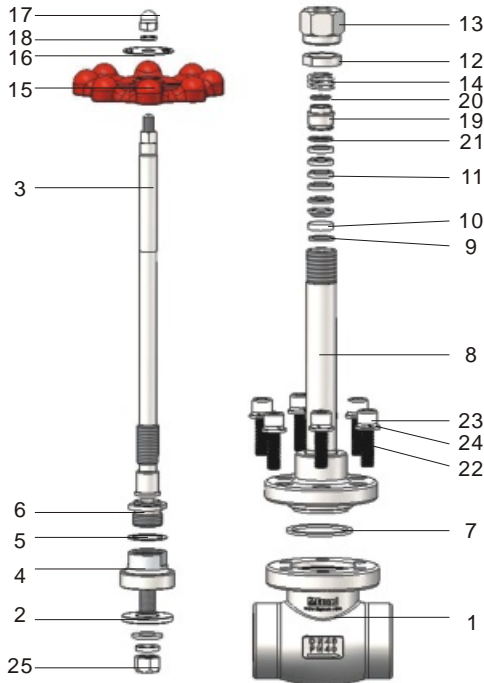
Cryogenic Globe Valve— Suitable for LNG or other cryogenic medium. With PCTFE seal. Design temperature range -196°C ~ 80°C.

Part No. : DJL44001-00  
 Norminal Diameter: DN40  
 Design Pressure: 40Bar  
 Material: 304  
 Seal : PCTFE、PTFE  
 Design Temperature: -196°C~80°C

### Fitting Details



### Part Drawing



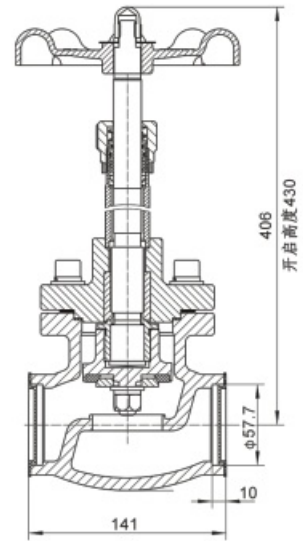
Item	Part No.	Description
1	DJL44001-01	Body
2	DJQA4001-12	Main Seal
3	DJL44001-02	Spindle
4	DJL44001-03	Closure Plate
5	DJQA4001-14	Washer
6	DJL44001-04	Nut
7	DJL44001-05	Body Seal
8	DJL4400101-00	Clamped Flange
9	DJL44001-06	Packing
10	DJL44001-07	Spindle Packing
11	DJL44001-08	Spindle Packing
12	DJL44001-10	Stuffing
13	DJL44001-11	Stuffing
14	DJL44001-12	Spring
15	DJL44001-13	Handle
16	DJL45001-13	Washer
17	85984800M8	Nut
18	859811008	Spring Washer
19	DJL44001-14	Packing Gland
20	8531000013.5*1.8	O-Ring
21	8531000016.5*1.8	O-Ring
22	85988100M10*35	Cap Screw
23	8598110010	Spring Washer
24	859810010	Washer
25	85984500M12	Nut



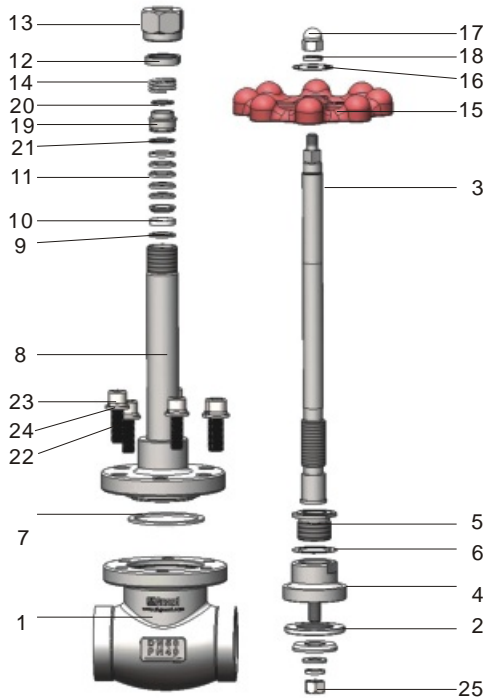
Cryogenic Globe Valve— Suitable for LNG or other cryogenic medium. With PCTFE seal. Design temperature range -196°C ~ 80°C.

Part No. : DJL45001-00  
 Norminal Diameter: DN50  
 Design Pressure: 40Bar  
 Material: 304  
 Seal: PCTFE、PTFE  
 Design Temperature: -196°C~80°C

Fitting Details



## Part Drawing



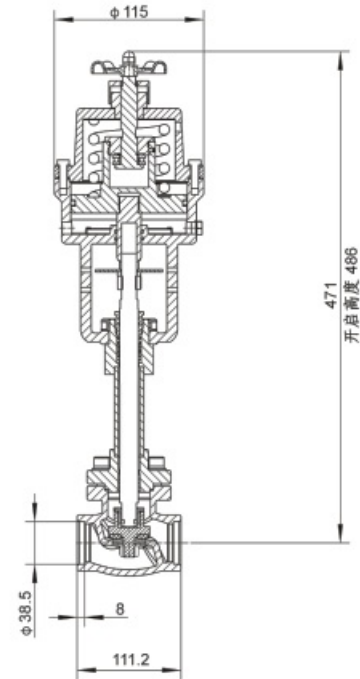
Item	Part No.	Description
1	DJL45001-01	Body
2	DJL45001-02	Spindle
3	DJL45001-03	Gasket
4	DJL45001-04	Closure Plate
5	DJL45001-05	Nut
6	DJQA5001-05	Washer
7	DJL45001-06	Body Seal
8	DJL4500101-00	Clamped Flange
9	DJL45001-07	Packing
10	DJQA4001-17	Spindle Packing
11	DJQA4001-18	Spindle Packing
12	DJL45001-08	Stuffing
13	DJL45001-10	Stuffing
14	DJL45001-11	Spring
15	DJL45001-12	Handle
16	DJL45001-13	Washer
17	85984800M10	Nut
18	8598110010	Spring Washer
19	DJL45001-14	Packing Gland
20	8531000020*1.8	O-Ring
21	8531000022.4*1.8	O-Ring
22	85988100M12*40	Cap Screw
23	8598110012	Spring Washer
24	8598100012	Washer
25	DJL45001-15	Seal Stuffing
26	85984500M12	Nut



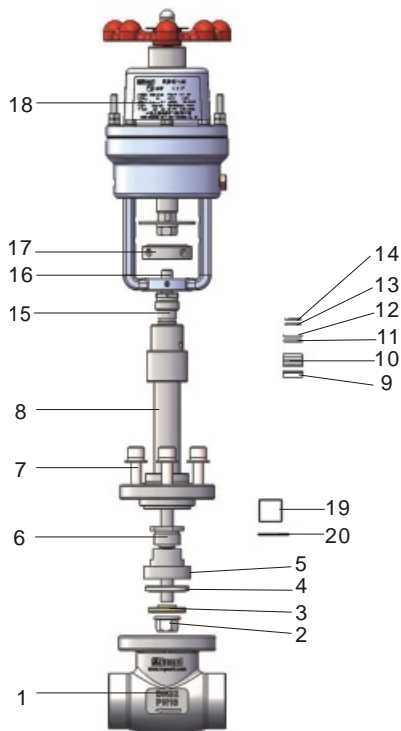
Cryogenic Emergency cut-off Valve— An emergency shut-off device for cryogenic equipment such as cryogenic storage tanks or tank trucks. When the outside temperature is higher than  $70 \pm 5^{\circ}\text{C}$ , the emergency shut-off valve is automatically closed, the medium is cut off, and the tank or tank truck is protected. Suitable for LNG,  $\text{LC}_2\text{H}_4$ . Welding connection. The flow direction of the medium flows from the high side to the low side of the valve body.

Part No. : DJQA3201-00  
 Norminal Diameter: DN32  
 Design Pressure: 40Bar  
 Cylinder Air Supply Pressure: 4-7Bar  
 Main Material: 304  
 Cylinder Assembly Material: Cast Aluminium  
 Seal : PCTFE、PTFE  
 Design Temperature:  $-196 \sim 70 \pm 5^{\circ}\text{C}$

### Fitting Details



### Part Drawing



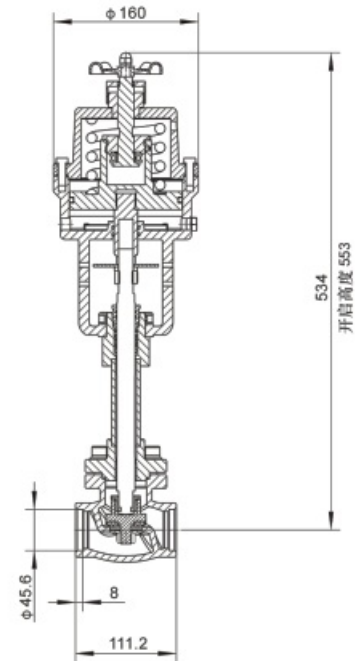
Item	Part No.	Description
1	DJQA3201-01	Body
2	85984500M12	Nut
3	DJQA4001-11	Copper Washer
4	DJQA4001-12	Seal
5	DJL44001-03	Pressure Plate
6	DJQA3201-21	Pressure Plate Nut
7	85988100M10*35	Screw
8	DJQA3201-02-00	Cap
9	DJQA3201-09	Below Seal
10	DJQA3201-20	Top Seal
11	8531000014*1.8	O-Ring
12	8531000014*1.8	O-Ring
13	8531000011.6*1.8	O-Ring
14	8531000011.6*1.8	O-Ring
15	DJQA3201-04	Seal Cap
16	DJQA3201-18	Spindle
17	DJQA3201-03	Cap Fixture
18	DJQA3201-07-00	Cylinder Assembly
19	DJQA3201-19	Composite Bearing
20	DJQA4001-14	Lockong Washer



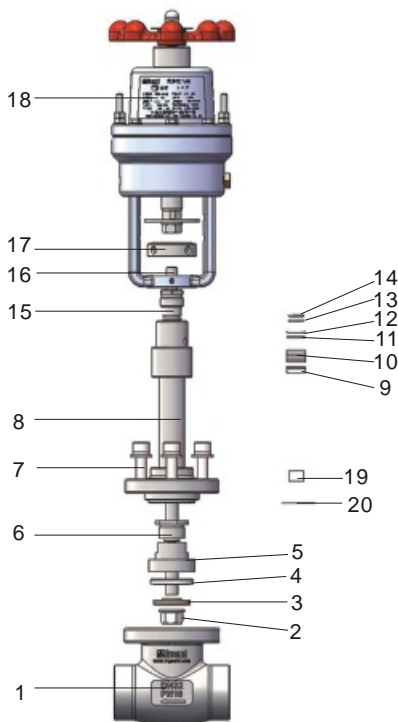
Cryogenic Emergency cut-off Valve— An emergency shut-off device for cryogenic equipment such as cryogenic storage tanks or tank trucks. When the outside temperature is higher than  $70 \pm 5^{\circ}\text{C}$ , the emergency shut-off valve is automatically closed, the medium is cut off, and the tank or tank truck is protected. Suitable for LNG,  $\text{LC}_2\text{H}_4$ . Welding connection. The flow direction of the medium flows from the high side to the low side of the valve body.

Part No. : DJQA4001-00  
 Norminal Diameter: DN40  
 Design Pressure: 40Bar  
 Cylinder Air Supply Pressure: 4-7Bar  
 Main Material: 304  
 Cylinder Assembly Material: Cast Aluminium  
 Seal : PCTFE、PTFE  
 Design Temperature:  $-196 \sim 70 \pm 5^{\circ}\text{C}$

Fitting Details



## Part Drawing



Item	Part No.	Description
1	DJQA4001-01	Body
2	85984500M12	Nut
3	DJQA4001-11	Copper Washer
4	DJQA4001-12	Seal
5	DJQA4001-13	Pressure Plate
6	DJQA4001-15	Pressure Plate Nut
7	85988100M10*35	Screw
8	DJQA4001-02-00	Cap
9	DJQA4001-17	Below Seal
10	DJQA4001-18	Top Seal
11	8531000022.4*1.8	O-Ring
12	8531000022.4*1.8	O-Ring
13	8531000020*1.8	O-Ring
14	8531000020*1.8	O-Ring
15	DJQA4001-04	Seal Cap
16	DJQA4001-26	Spindle
17	DJQA4001-03	Cap Fixture
18	DJQA4001-07-00	Cylinder Assembly
19	DJQA4001-27	Composite Bearing
20	DJQA4001-14	Lockong Washer

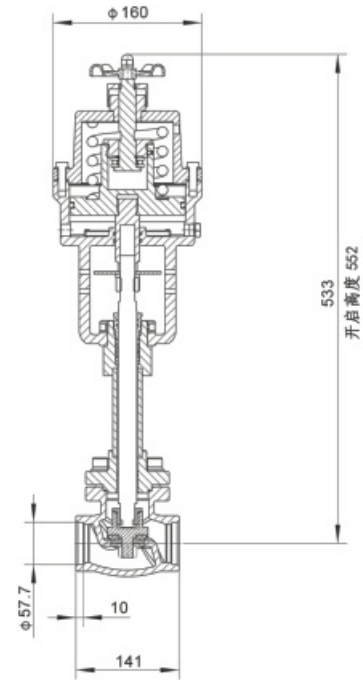




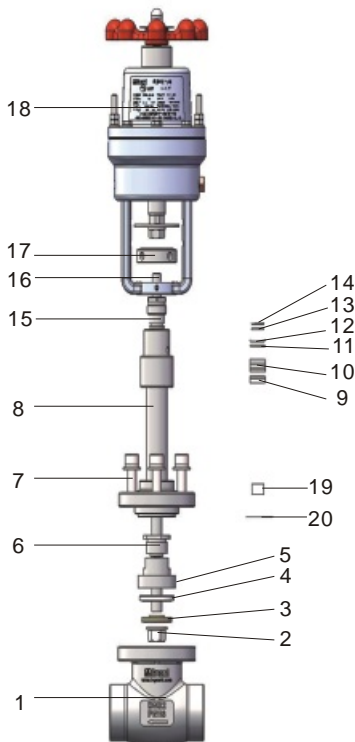
Cryogenic Emergency cut-off Valve— An emergency shut-off device for cryogenic equipment such as cryogenic storage tanks or tank trucks. When the outside temperature is higher than  $70 \pm 5^{\circ}\text{C}$ , the emergency shut-off valve is automatically closed, the medium is cut off, and the tank or tank truck is protected. Suitable for LNG,  $\text{LC}_2\text{H}_4$ . Welding connection. The flow direction of the medium flows from the high side to the low side of the valve body.

Part No. : DJQA5001-00  
 Norminal Diameter: DN50  
 Design Pressure: 40Bar  
 Cylinder Air Supply Pressure: 4-7Bar  
 Main Material: 304  
 Cylinder Assembly Material: Cast Aluminium  
 Seal: PCTFE、PTFE  
 Design Temperature:  $-196 \sim 70 \pm 5^{\circ}\text{C}$

### Fitting Details



### Part Drawing



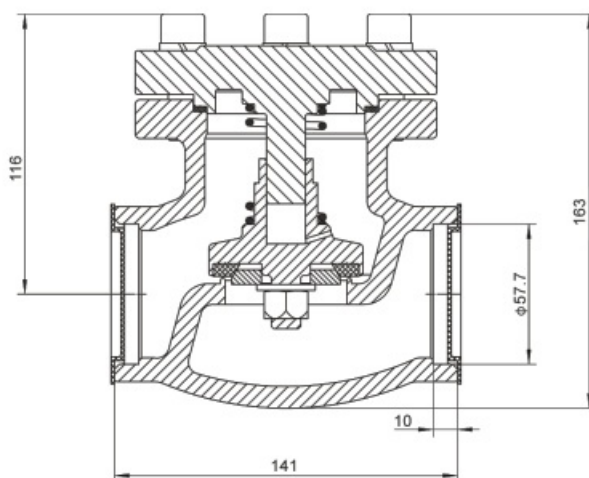
Item	Part No.	Description
1	DJQA5001-01	Body
2	85984500M12	Nut
3	DJQA5001-03	Copper Washer
4	DJQA5001-04	Seal
5	DJL45001-04	Pressure Plate
6	DJQA5001-06	Pressure Plate Nut
7	85988100M12*40	Screw
8	DJQA5001-02-00	Cap
9	DJQA4001-17	Below Seal
10	DJQA4001-18	Top Seal
11	8531000022.4*1.8	O-Ring
12	8531000022.4*1.8	O-Ring
13	8531000020*1.8	O-Ring
14	8531000020*1.8	O-Ring
15	DJQA4001-04	Seal Cap
16	DJQA5001-18	Spindle
17	DJQA4001-03	Cap Fixture
18	DJQA4001-07-00	Cylinder Assembly
19	DJQA4001-27	Composite Bearing
20	DJQA5001-05	Lockong Washer



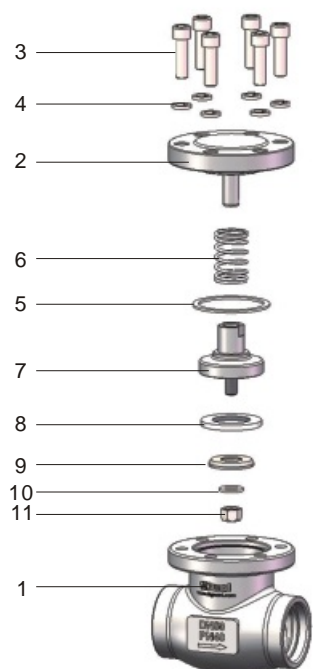
产Part No. : DZS45001-00  
 Norminal Diameter: DN50  
 Design Pressure: 40Bar  
 Material: 304  
 Seal : PCTFE、PTFE  
 Design Temperature: -196°C ~ 80°C

Cryogenic Check Valve— Suitable for LNG, prevent medium from flowing back. With PCTFE seal. Design temperature range -196°C ~ 80°C.

Fitting Details



## Part Drawing

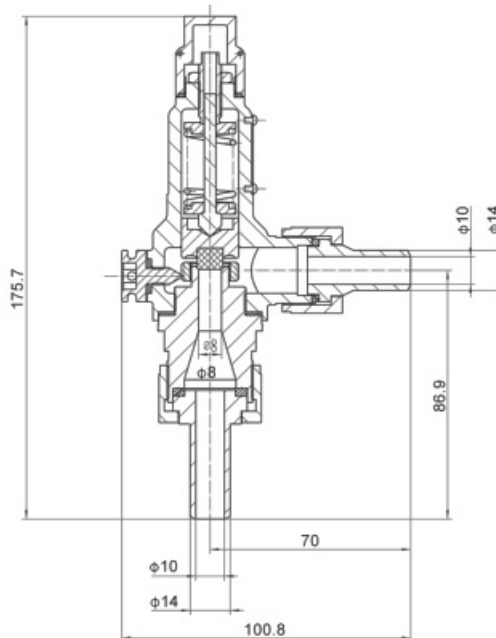


Item	Part No.	Description
1	DZS45001-01	Body
2	DZS45001-02	Cap
3	85988100M12*40	Capscrew
4	8598110012	Spring Washer
5	DJL45001-06	Body Seal
6	DZS45001-04	Spring
7	DZS45001-03	Pressure Plate
8	DJL45001-03	Seal
9	DJL45001-15	Junk Ring
10	8598810012	Washer
11	85984500M12	Capscrew



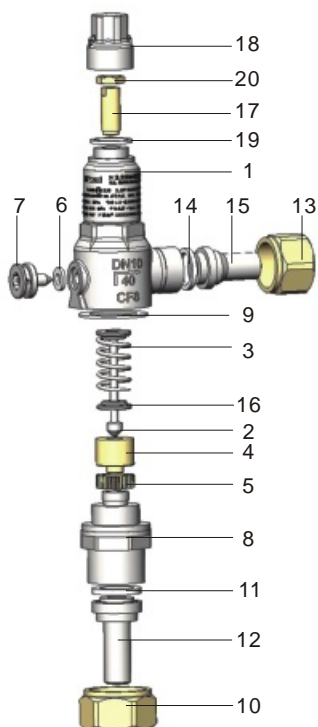
Relief Valve—Weld-prepared inlet and outlet. 1.6Mpa pressure

Fitting Details



Part No. : DA104A01-00  
 Norminal Diameter: DN10  
 Design Pressure: 40Bar  
 Material: 304  
 Seal : PCTFE、PTFE  
 Design Temperature: -196°C ~ 80°C

## Part Drawing



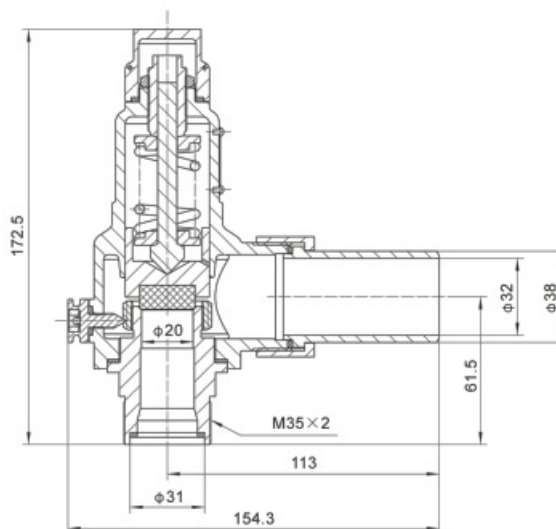
Item	Part No.	Description
1	DA104A01-01	Body
2	DA104A01-02	Spindle
3	DA104A01-03	Spring
4	DA104A01-04-00	Pressure Plate
5	DA104A01-05	Regulating Ring
6	DA104A01-06	Mandrill Seal
7	DA104A01-07	Mandrill
8	DA104A01-08	Seat
9	DA104A01-09	Body Seal
10	DA104A01-10	Nut
11	DA104A01-11	Inlet Seal
12	DA104A01-12	Inlet Tube
13	DA104A01-13	Nut
14	DA104A01-14	Outlet Seal
15	DA104A01-15	Outlet Tube
16	DA104A01-16	Spring Seat
17	DA104A01-17	Nut
18	DA104A01-18	Cap
19	DA104A01-19	Seal
20	DA104A01-21	Lock Nut



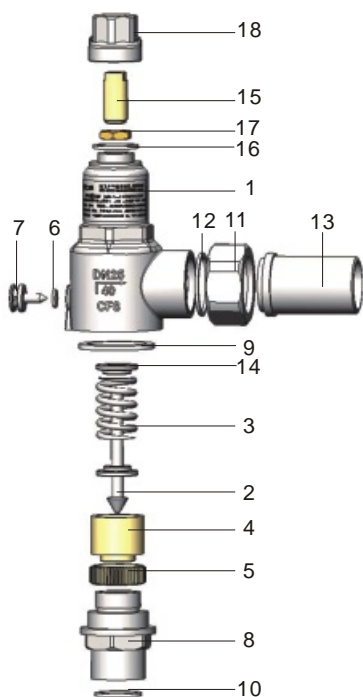
Relief Valve— Weld-prepared inlet and outlet.  
0.75Mpa pressure setting with PCTFE seal. Design  
temperature range -196°C ~ 80°C.

Part No. : DA254701-00  
Nominal Diameter: DN25  
Design Pressure: 40Bar  
Material: 304  
Seal: PCTFE、PTFE  
Design Temperature: -196°C ~ 80°C

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	DA254701-01	Body
2	DA254701-02	Spindle
3	DA254701-03	Spring
4	DA254701-04-00	Pressure Plate
5	DA254701-05	Regulating Ring
6	DA104A01-06	Mandril Seal
7	DA254701-07	Mandril
8	DA254701-08	Seat
9	DA254701-09	Body Seal
10	DA254701-18	Inlet Seal
11	DA254701-10	Nut
12	DA254701-11	Outlet Seal
13	DA254701-12	Outlet Tube
14	DA254701-13	Spring Seat
15	DA254701-14	Nut
16	DA254701-15	Seal
17	DA254701-16	Lock Nut
18	DA254701-17	Cap

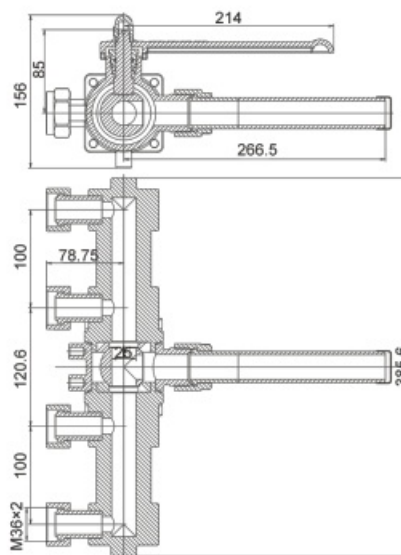
# DN25 Five Way Ball Valve



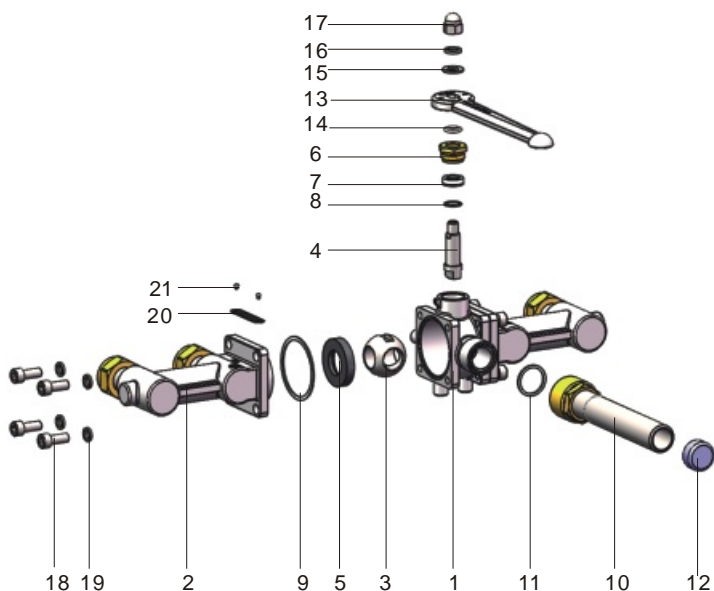
DN25 Five Way Ball Valve- “T” type five-way ball valve is mainly used on the safety valve installation body of the combined safety system valve. With PCTFE seal. Design temperature range-196°C-80°C.

Part No.: DQS42502-00  
 Nominal Diameter: DN25  
 Nominal Pressure: 40Bar  
 Design Temperature: - 196°C ~ 80°C  
 Contact Parts: CF8  
 Seal: PCTFE, PTFE

## Fitting Details



## Part Drawing



Item	Part No.	Description
1	DQS42501-01	Body
2	DQS42502-02-00	Cap Assembly
3	DQS42501-03	Ball
4	DQS42501-04	Spindle
5	DQS42501-05	Main Seal
6	DQS42501-06	Gland
7	DQS42501-07	Stuffing
8	DQS42501-08	Bottom Bearing
9	DQS42501-09	Gasket
10	DQS42502-11-00	Welded Coupler
11	DQS42501-12	Gasket
12	DQS42501-13	Cover
13	DQS42501-14	Handle
14	85A2000015*2.65	O-Ring
15	8598100012	Washer
16	8598110012	Spring Washer
17	85984800M12	Nut
18	8598110010	Spring Washer
19	85988100M10*25	Capscrew
20	DQS42501-15	Nameplate
21	857P58002*5	Sign Rivets



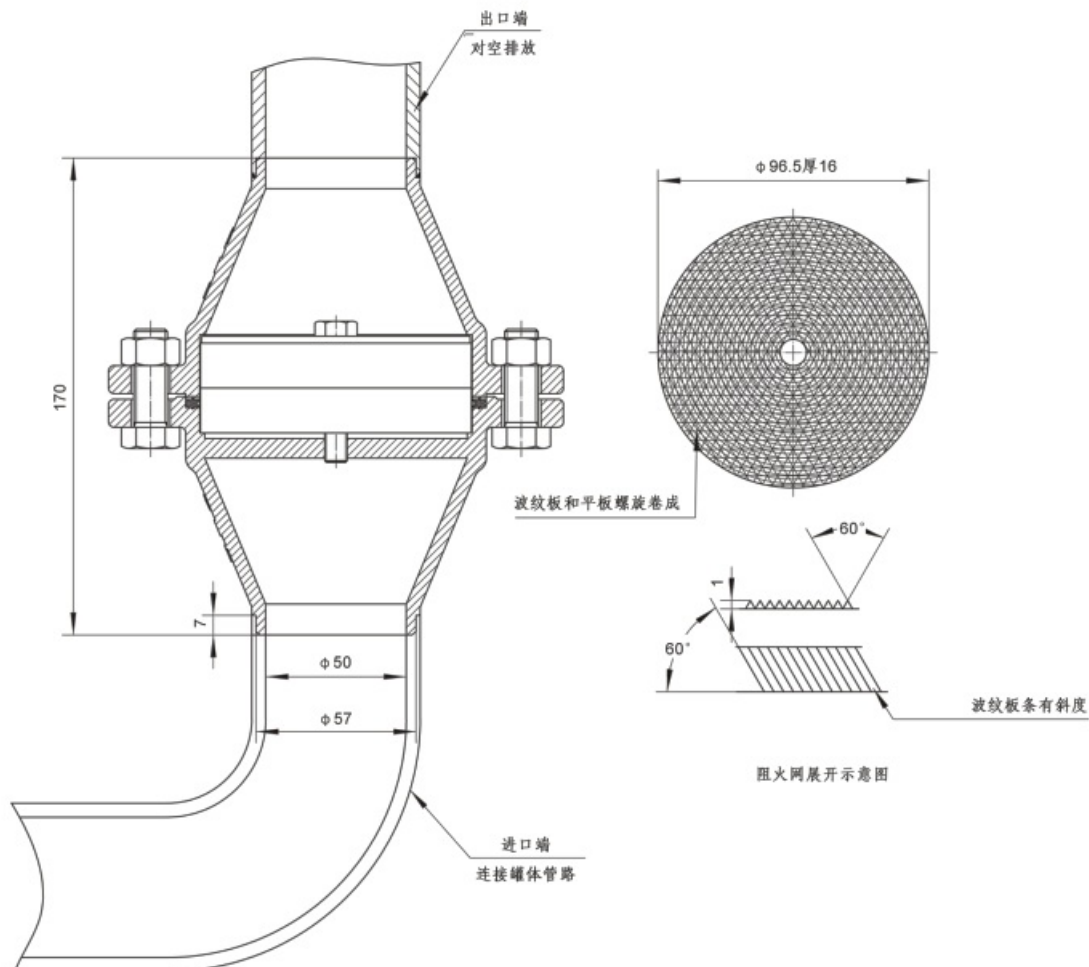
The flame arrester is made up of many small pipes and gaps so that the gas can penetrate.

These pipes and gaps are extremely small so they can block and extinguish the flame.

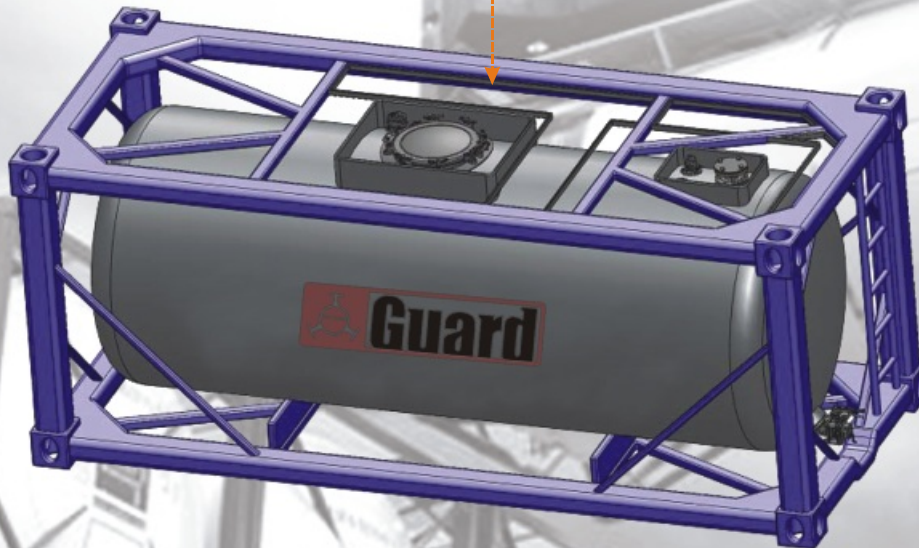
The operation temperature is below 300 degrees Celsius.

Part No. : GZD45001-00  
 Norminal Diameter: DN50  
 Design Pressure: 40Bar  
 Material: 304  
 Design Temperature: < 300°C

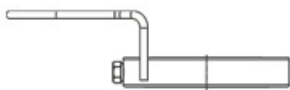
## Fitting Details



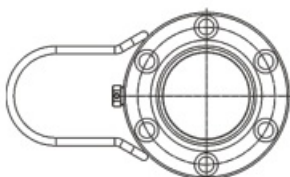
# Flange



## 2.5" BSP Safety Relief Valve



Adaptor Flange Assembly

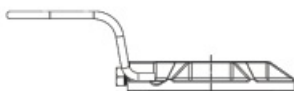


Part No.: ZAB46501-04-00  
 Adaptor Flange: ZAB46501-04-02  
 Gauge Protection: ZAB46501-04-01  
 Plug: ZAB46501-04-03

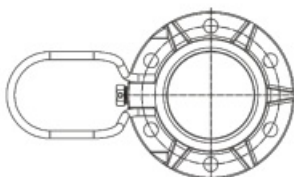


Adaptor Flange

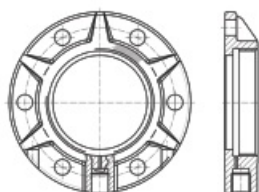
Part No.: ZAB46501-04-02  
 External diameter: 127mm  
 Internal diameter: 2 1/2" BSP  
 Thickness: 22.5mm  
 Drilling: 6 × φ 11 × PCD φ 105



Adaptor Flange Assembly

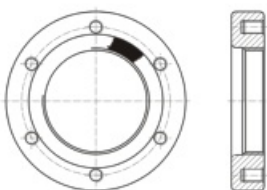


Part No. : ZAB46501-05-00  
 Adaptor Flange: ZAB46501-05-02  
 Gauge Protection: ZAB46501-05-01  
 Plug: ZAB46501-04-03



Adaptor Flange

Part No. : ZAB46501-05-02  
 External diameter: 127mm  
 Internal diameter: 2 1/2" BSP  
 Thickness: 22.5mm  
 Drilling: 6 × φ 11 × PCD φ 105

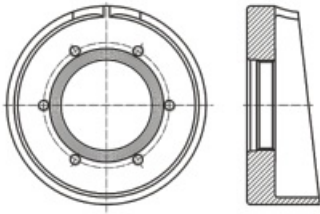


Weld-in Flange

Part No. : ZAB46501-03  
 External diameter: 127mm  
 Internal diameter: 2 1/2" BSP  
 Thickness: 23mm  
 Drilling: 6 × φ 10 × PCD φ 105

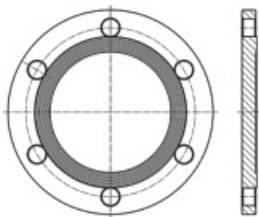






## Recess Flange

Part No. : ZAB46501-08  
 External diameter: 166mm  
 Internal diameter: 2 1/2 " BSP  
 Thickness: Min 23.5mm Max61mm  
 Drilling: 6 × M10 × PCD φ 105

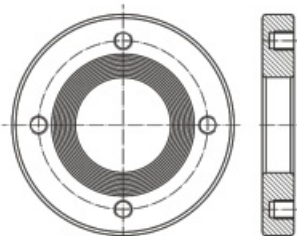


## Blind Flange

Part No. : ZAB46501-06  
 External diameter: 127mm  
 Internal diameter:  
 Thickness: 8.5mm  
 Drilling: 6 × φ 11 × PCD φ 105

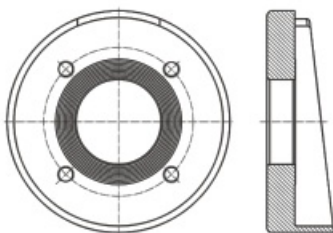


## 2.5" /3" Flanged Safety Relief Valve



## Weld-in Flange

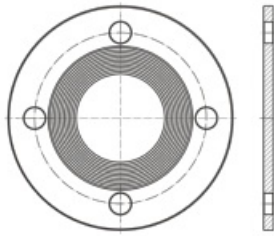
Part No. : ZAF48001-02  
 External diameter: 190mm  
 Internal diameter: 68.5mm  
 Thickness: 27mm  
 Drilling: 4 × M16 × PCD φ 145



## Recess Flange

Part No. : ZAF48001-04  
 External diameter: 216mm  
 Internal diameter: 68.5mm  
 Thickness: Min 27mm Max65mm  
 Drilling: 4 × M16 × PCD φ 145



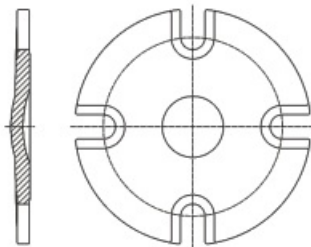


### Blind Flange

Part No. : ZAF48001-03  
 External diameter: 190mm  
 Internal diameter:  
 Thickness: 8.5mm  
 Drilling:  $4 \times \phi 18 \times \text{PCD } \phi 145$

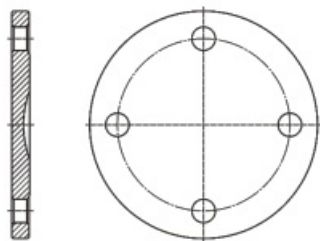


## Top Discharge (DN50)



### Blind Flange

Part No.: ZTQ75001-02  
 External diameter: 165mm  
 Internal diameter:  
 Thickness: 8.5mm  
 Drilling:  $4 \times \phi 17 \times \text{PCD } \phi 125$

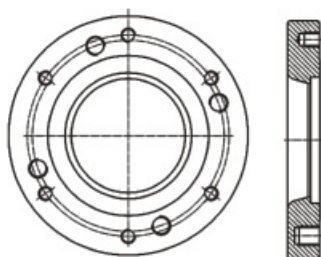


### Blind Flange

Part No.: ZTQ75001-01  
 External diameter: 165mm  
 Internal diameter:  
 Thickness: 13mm  
 Drilling:  $4 \times \phi 17 \times \text{PCD } \phi 125$



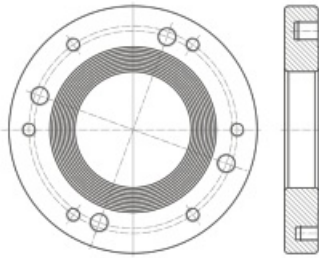
## Top Discharge (DN80)



### Weld-in Flange

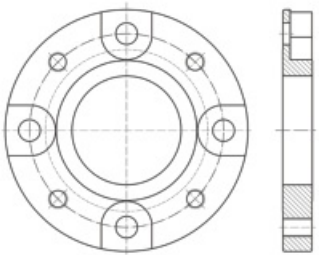
Part No.: ZTD68001-08  
 External diameter: 200mm  
 Internal diameter: 95.3mm  
 Thickness: 27mm  
 Drilling:  $4 \times \text{M16} \times \text{PCD } \phi 160$   
 $6 \times \text{M12} \times \text{PCD } \phi 168$  ( Not equi-spaced )





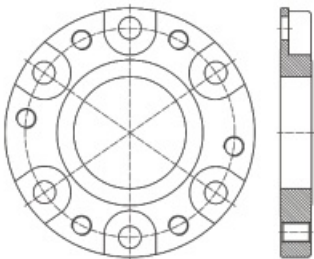
### Weld-in Flange

Part No.: ZTD68001-06  
 External diameter: 200mm  
 Internal diameter: 94 mm  
 Thickness: 27mm  
 Drilling: 4 × M16 × PCD φ 160  
 6 × M12 × PCD φ 168 ( Not equi-spaced )



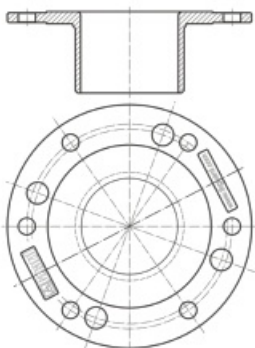
### Adaptor Flange

Part No.: ZTD68001-03  
 External diameter: 200mm  
 Internal diameter: 90 mm  
 Thickness: 24mm  
 Drilling: 4 × φ 18 × PCD φ 160  
 4 × M16 × PCD φ 160



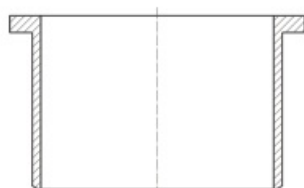
### Adaptor Flange

Part No.: LS0002  
 External diameter: 200mm  
 Internal diameter: 90 mm  
 Thickness: 24mm  
 Drilling: 6 × φ 18 × PCD φ 168 ( Not equi-spaced )  
 6 × M16 × PCD φ 168 ( Not equi-spaced )



### Syphon Tube Flange

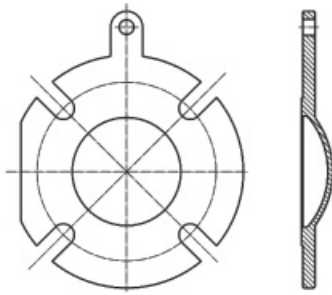
Part No.: ZTD68001-05  
 External diameter: 200mm  
 Internal diameter: 80 mm  
 Thickness: 10mm  
 Drilling: 4 × φ 18 × PCD φ 160  
 6 × φ 14 × PCD φ 168 ( Not equi-spaced )



### Syphon Tube

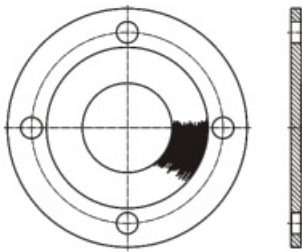
Part No.: ZAD68001-09  
 External diameter: 105mm  
 Internal diameter: 83mm  
 Thickness: 6mm  
 Drilling:





Blind Flange

Part No.: HDJ48003-09  
 External diameter: 190mm  
 Internal diameter:  
 Thickness: 11mm  
 Drilling:  $4 \times \phi 18 \times \text{PCD } \phi 146$

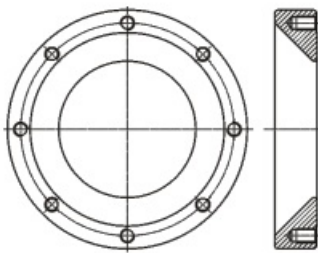


Blind Flange

Part No.: ZTD68001-01  
 External diameter: 200mm  
 Internal diameter:  
 Thickness: 8.5mm  
 Drilling:  $4 \times \phi 18 \times \text{PCD } \phi 160$

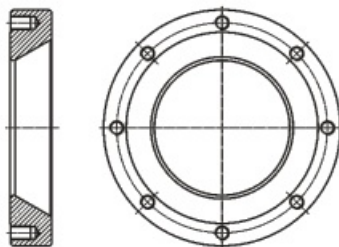


## Bottom Discharge



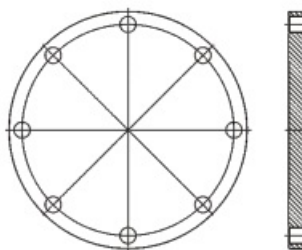
45° Weld-in Flange

Part No.: ZDH48001-02  
 External diameter: 200mm  
 Internal diameter: 114.3mm  
 Thickness: 35mm  
 Drilling:  $8 \times M 12 \times \text{PCD } \phi 178$



30° Weld-in Flange

Part No.: ZDH38001-01  
 External diameter: 200mm  
 Internal diameter: 114.3mm  
 Thickness: 35mm  
 Drilling:  $8 \times M 12 \times \text{PCD } \phi 178$

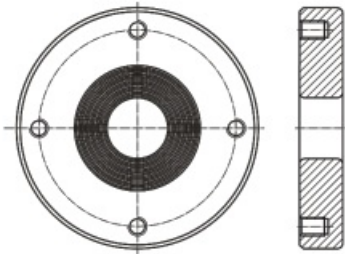


Blind Flange

Part No.: ZDH48009-01  
 External diameter: 200mm  
 Internal diameter:  
 Thickness: 13.5mm  
 Drilling:  $8 \times \phi 13.5 \times \text{PCD } \phi 178$

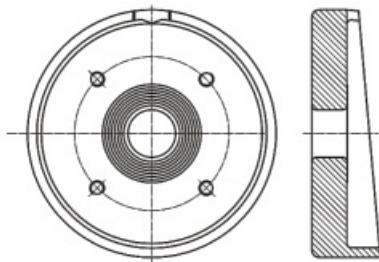


## 1.5" Air Inlet Ball Valve



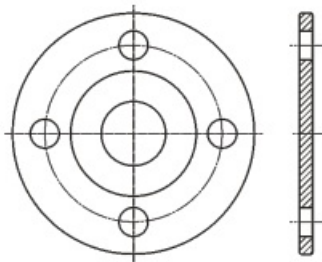
### Weld-in Flange

Part No.: ZKQ04001-01  
 External diameter : 127mm  
 Internal diameter : 32mm  
 Thickness: 22.6mm  
 Drilling: 4 × M10 × PCD φ 103.5



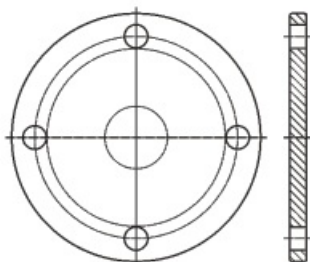
### Recess Flange

Part No.: ZKQ04001-02  
 External diameter : 166.5mm  
 Internal diameter : 32mm  
 Thickness: Min 23.5mm Max 46mm  
 Drilling: 4 × M10 × PCD φ 103.5



### Blind Flange

Part No.: ZKQ04002-02  
 External diameter: 150mm  
 Internal diameter:  
 Thickness: 8.5mm  
 Drilling: 4 × φ 18 × PCD φ 110



### Blind Flange

Part No.: ZKQ04001-04  
 External diameter: 127mm  
 Internal diameter:  
 Thickness: 8.5mm  
 Drilling: 4 × φ 14 × PCD φ 103.5



Part No.	Description	To fit
ZKQ04001-06	Flange to 1 1/2" BSP	1 1/2" Air Inlet Ball Valve
ZKQ04001-07	1 1/2" BSP to 1 1/2" BSP	1 1/2" Air Inlet Ball Valve
ZKQ04001-08	Flange to 1 1/2" BSP	1 1/2" Air Inlet Ball Valve
HDJ48001-01	Flange to 3" BSP	Bottom Discharge
HDJ48002-01	Flange to Quick Coupling	Bottom Discharge
HDJ48003-01	Square Flange to Round Flange	Bottom Discharge
HDJ48002-02-00	DC Type Quick Coupling	Bottom Discharge
ZTD68010-01	Round Flange to Quick Coupling	Top Discharge



ZKQ04001-06



ZKQ04001-07



ZKQ04001-08



HDJ48001-01



HDJ48002-01



HDJ48003-01

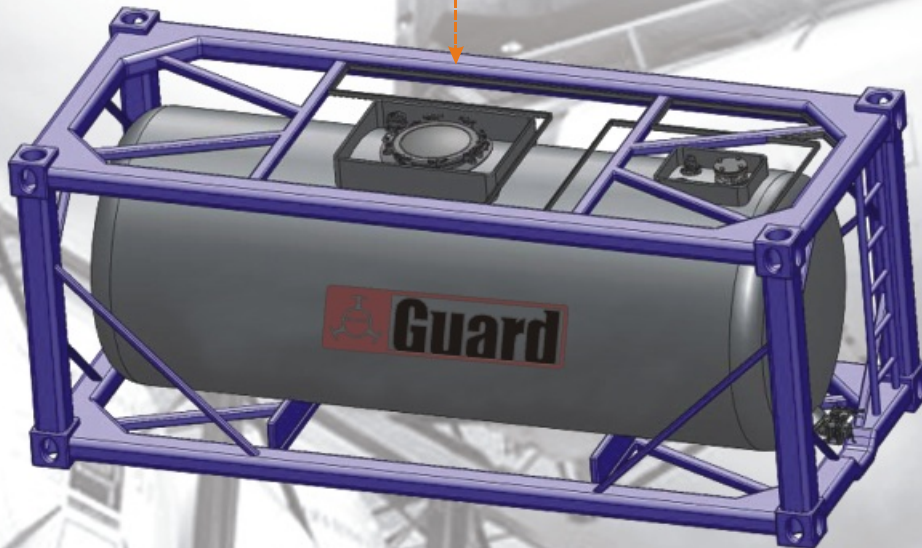


HDJ48002-02-00



ZTD68010-01

# Spare Parts





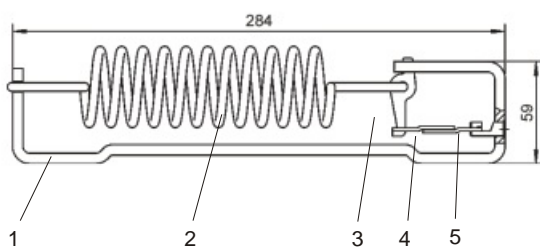
The Fusible Link is designed to break at at  $110 \pm 5 \text{ }^\circ\text{C}$  (  $212 \text{ }^\circ\text{F}$  ), This part is easy to install on tanks and fits on various tank types and foot valves.

Part No. : YH110000-00  
 Design Temperature:  $110^\circ\text{C}$   
 Weight: 0.92kg

### Associated Parts

Part No.	Description
JS468001-15	Foot valve Operating Lever
SNRA1101	St. St. Wire 2.5mm 7x7 Length: 6.5m
SNRA1102	Wire Clip
SNRA1103	Remote Control Spring

### Part Drawing



序号 Item	产品编号 Part No.	名称 Description	材质 Material
1	YH110000-01	Holder	304
2	YH110000-02	Spring	302
3	YH110000-03	Arm	CF8
4	YH110000-04	Fusible Part	H62
5	YH110000-05	Link	CF8

### Set up instructions :

- Fix the device on the tank frame with M8 screws or by welding.
- Connect the link and remote control wire by chain.
- Make sure the foot valve is in open position.



## Threaded Dust Caps



Part No.	Description
FG20B1-00	3/4" BSP Steaming Pipe Dust Cap , with chain and seal
FG25B1-00	1" BSP Steaming Pipe Dust Cap , with chain and seal
QKB04001-10-00	1 1/2" BSP Dust Cap , with chain and seal
HDJ48001-10-00	3" BSP Dust Cap , with chain and seal
FG50B1-00	2" BSP Dust Cap, with chain and seal

## Fusible Cap



Part No.	Description
YG4CS1-00	4" Fusible Cap, Low Melting Alloy as the fusible part
YG80S1-00	3" Fusible Cap, Low Melting Alloy as the fusible part.

## Quick Coupling



Part No.	Description
10259A01-01	1" Quick Coupling Cap
10256A01-01	1" Quick Coupling Connector



Part No.	Description
10509A01-01	2" Quick Coupling Cap
10506001-01	2" Quick Coupling Connector

## Temperature Gauge Protection



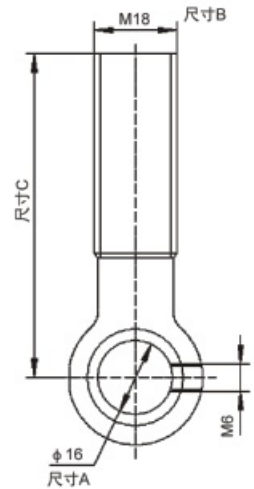
Part No.	Description
WB4C0001	Temperature Gauge Protection



Please contact our Sales team for your requirements if not listed above.



Swingbolt:  $\phi 16\text{mm}$  ( A )  $\times$  M18 ( B )  $\times$  Central Height ( C ) .  
 Stainless Steel material. Fitted with M6 screw. With Swingbolt hinge pin and hand nuts. Protected against loss.



## Swingbolt

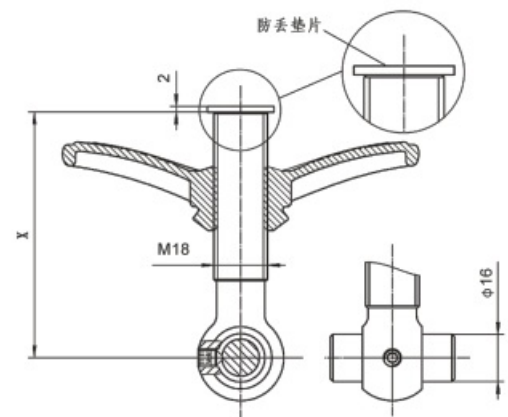
Part No.	Description
R4583A01-07-01	$\phi 16\text{mm} \times \text{M18} \times 58\text{mm}$
R4583A01-05-03	$\phi 16\text{mm} \times \text{M18} \times 83\text{mm}$

Note: There are also movable joint bolts with lengths of 53, 63, 66, 70, 75, 80, 87, 90, 94, 96, 100, 103, 105, 120 (mm) for customers to choose from.

Swing bolt

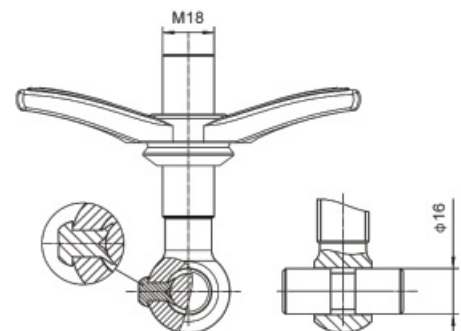
## Hand nut

Part No.	Description
R4583A01-05-01	Naval Brass Hand Nut
R4583A01-09-01	Stainless Steel Hand Nut
LS193G01	Stainless Steel - I Long Hand
LS193G02	Stainless Steel - II Long Hand

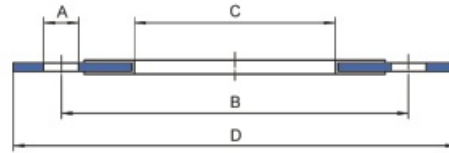


## Swingbolt Assembly

Part No.	Description	Weight kg
R4583A01-14-00	Short Swingbolt Assembly	0.396
R4583A01-13-00	Long Swingbolt Assembly	0.443
R4583A01-10-00	Short Swingbolt Assembly	0.376
R4583A01-09-00	Long Swingbolt Assembly	0.423



Please contact our Sales team for your requirements if not listed above.



Item	Part No.	Material	No. of Holes	A Hole φ (mm)	B PCD φ (mm)	C Internal φ (mm)	D External φ (mm)	To Fit
1	ZAB46501-01-00	PTFE/CNAF	—	—	—	75.5	92	2.5" BSP Relief Valve
2	ZAB46501-11	PTFE	—	—	—	76	92	2.5" BSP Relief Valve
3	ZAB46501-07-00	PTFE/CNAF	6	11	105	76	127	2.5" BSP Relief Valve
4	ZAF48001-01-00	PTFE/CNA	4	18 (groove hole)	145 (Min)	82	176	2.5"/3" Flanged Relief Valve Flange Seal
5	ZAF48001-10	PTFE	4 × φ 18 × PCD152.4			82	190	Flanged Relief Valve Flange Seal
6	ZTD68001-02-00	PTFE/CNAF	6 × φ 14 × PCD168(Not Equi-spaced) 4 × φ 18 × PCD160			94	190	3" Top Discharge Valve Inlet
7	ZTD68001-04-00	PTFE/CNA	6 × φ 14 × PCD168(Not Equi-spaced) 4 × φ 18 × PCD160			86	190	3" Syphon Tube Flange
8	ZTD68001-07	PTFE	—	—	—	94	105	3" Syphon Tube Flange
9	ZTD68007-01-00	PTFE/CNAF	6 × φ 14 × PCD168(Not Equi-spaced) 4 × φ 18 × PCD160			107	190	3" Top Discharge
10	ZDH48001-01-00	PTFE/CNAF	8	14	178	114.5	200	3" Footvalve Tank Seal
11	ZKQ04002-01-00	PTFE/CNAF	4	18 (groove hole)	98.4 (Min)	40	150	1.5" Flanged Air Inlet Ball Valve
12	HDJ48001-06-00	PTFE/CNAF	4	18 (waistline hole)	145-160	90	□144 正方形	3" Clamped Butterfly Valve Outlet
13	HDJ48001-08-00	PTFE/CNAF	4	18	145	81	□144 正方形	3" Footvalve Outlet
14	HDJ48003-10-00	PTFE/CNAF	4	18 (groove hole)	146 (Min)	91	170	3" Flanged Butterfly Outlet
15	HDJ48001-10-04	PTFE	—	—	—	74	86	3" Cap
16	QKB04001-10-02	PTFE	—	—	—	32	45.8	1.5" Cap
17	ZTD68030-03	PTFE	4	φ 18	160	98	190	Top Discharge
18	ZDH48001-04	PTFE	8 × φ 14 × PCD178			114.5	200	3" Footvalve Tank Seal
19	ZAB46501-12	PTFE	6 × φ 11 × PCD165			76	127	Relief Valve
20	ZTD68030-02	PTFE	6 × φ 14 × PCD168			107	190	Top Discharge



Please contact our Sales team for your requirements if not listed above.

## Valve Main Seal



Part No.	ToFit
QKB04001-02	1.5" Air Inlet Ball Valve Front Main Seal
QKB04001-08	1.5" Air Inlet Ball Valve Rear Main Seal
QLF65001-04	2" Full Bore Ball Valve Front Main Seal
QLF65001-05	2" Full Bore Ball Valve Rear Main Seal
QLF65001-05	2" -3" Full Bore Ball Valve Front/Rear Main Seal
QLF68001-04	3" Full Bore Ball Valve Front Main Seal
QLF68001-05	3" Full Bore Ball Valve Rear Main Seal
DLJ68001-03	3" Butterfly Valve PTFE Main Seal

## O-Ring



Part No.	ToFit
APB24001-05	1.5" BSP Relief Valve Pressure O-Ring
APB24001-06	1.5" BSP Relief Valve Vacuum O-Ring
QLF75002-04	2" -3" Full Bore Ball Valve Plug Encapsulated O-Ring
GB/T3452.1-1992	2" -3" Full Bore Ball Valve Plug O-Ring
APB46501-03	2.5" Relief Valve Pressure O-Ring
APB46501-05	2.5" Relief Valve Vacuum O-Ring
DLJ68001-08	3" Butterfly Valve Clamping Plate O-Ring
JS468001-05	3" Butterfly Valve Closure Plate O-Ring



Please contact our Sales team for your requirements if not listed above.

## Manlid Packing



Part No.	Size	Material
RP141416-01	14×14×1650mm	PTFE-Without Silicone Core
RP141416-02	14×14×1650mm	Braided PTFE Impregnated Fibre without Silicone Core
RP141416-03	14×14×1650mm	Braided PTFE Impregnated Fibre with Silicone Core
RP141416-04	14×14×1650mm	PTFE-Silicone Core
RP141216-01	14×12×1650mm	PTFE-Without Silicone Core
RP141216-02	14×12×1650mm	Braided PTFE Impregnated Fibre without Silicone Core
RP141216-03	14×12×1650mm	Braided PTFE Impregnated Fibre with Silicone Core
RP141216-04	14×12×1650mm	PTFE-Silicone Core
RP141016-01	14×10×1650mm	PTFE-Without Silicone Core
RP141016-02	14×10×1650mm	Braided PTFE Impregnated Fibre without Silicone Core
RP141016-03	14×10×1650mm	Braided PTFE Impregnated Fibre with Silicone Core
RP141016-04	14×10×1650mm	PTFE-Silicone Core

Note : above mentioned parts are also available on a roll of 30 meters.

## PTFE+EPDM Seal

Applicable temperature -40°C~+150°C. Surface Shore hardness 85~95HA. White + black. Contact part is PTFE, PTFE in addition to molten lithium metal, potassium, sodium, chlorine trifluoride, high temperature oxygen trifluoride, high flow rate of liquid fluorine, almost can resist all chemical media. Widely used.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



Part No.	Dimensions (inner diameter * width * thickness)
RM30EP00-02	φ 292*14*14
RM40EP00-02	φ 385*20*12(异形定制)
RM46EP00-02	φ 445*14*14
RM50EP00-01	φ 490*14*14

## FEP+Silicon Seal

Applicable temperature -40°C~+204°C. Surface Shore hardness 85~95HA. White/red. Contact part is FEP, FEP corrosion resistance and PTFE similar, in addition to a few media such as molten alkali metal, fuming nitric acid, chlorine fluoride, almost can resist all chemical media. The interior of silicon has red, white and other adjustable colors. The color belongs to the influence of appearance and has nothing to do with the quality of silicon.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM17FS00-01	φ 140*14*12
RM25FS00-01	φ 242*14*12
RM25FS00-02	φ 234*14*12
RM25FS00-03	φ 220*14*12
RM30FS00-01	φ 242*12*12
RM30FS00-02	φ 254*14*12
RM30FS00-03	φ 254*14*12
RM30FS00-04	φ 269*14*12
RM30FS00-05	φ 289*14*12
RM30FS00-06	φ 286*17*14
RM50FS00-02	φ 491*12*12
RM50FS00-03	φ 489*14*12
RM50FS00-04	φ 469*14*12
RM50FS00-06	φ 487*17*14
RM60FS00-01	φ 590*14*12

## FKM Seal

Applicable temperature -40°C~+230°C. Surface Shore hardness 65~75HA. Black. Resistance to all kinds of acid, alkali, salt, petroleum products, hydrocarbons, solvent resistance is not as good as fluorine plastics. Can do foaming process.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM17V000-01	φ 160*14*12
RM30V000-02	φ 285*14*14
RM30V000-03	φ 240*12*12
RM40V000-01	φ 377*25*14 (foaming)
RM40V000-02	φ 437*14*10 (special-shaped)
RM50V000-01	φ 473*14*12

## 天然白橡胶密封圈 Natural White Rubber Seal

Applicable temperature -40°C~+65°C. Surface Shore hardness 65~75HA. White. Oxidation resistance to acid, alkali and salt corrosion; It is not resistant to nitric acid, chromic acid, concentrated sulfuric acid and other oxidant corrosion, and is not resistant to petroleum products and organic solvent corrosion.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



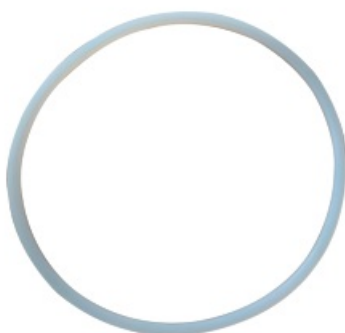
Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM30SWR0-01	φ 285*14*12
RM50SWR0-01	φ 475*14*12

## Silicone Rubber Seal

Applicable temperature  $-40^{\circ}\text{C}\sim+160^{\circ}\text{C}$ . Surface Shore hardness 65~75HA. Optional color, transparent, white, red. Resistant to dilute acid, dilute alkali, salt, water corrosion, not resistant to gasoline, kerosene and other petroleum products corrosion. Can do foaming process.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



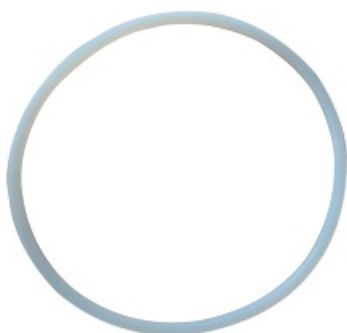
Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM30SW00-01	$\phi 285*14*12$
RM46SW00-02	$\phi 436*14*8$
RM50SW00-01	$\phi 475*14*12$

## Silicone Rubber Seal

Maximum operating temperature  $400^{\circ}\text{C}$ . The corrosion resistance is the same as that of ordinary silicone. Suitable for asphalt tanks and other high temperature media storage equipment.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM30SWG0-01	$\phi 285*14*12$
RM50SWG0-01	$\phi 472*14*12$

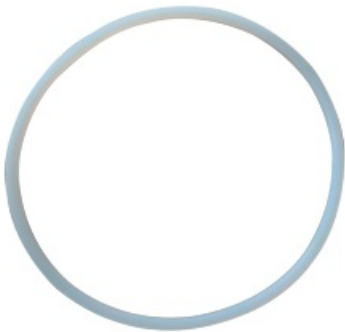


## Food Grade Silicone Rubber Seal

Applicable temperature and corrosion resistance with ordinary silica gel, suitable for contact with food grade media.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM30SWS0-02	φ 292*14*14
RM30SWS0-03	φ 267*15*12
RM50SWS0-01	φ 475*14*12
RM50SWS0-02	φ 469*14*12

## NBR Seal

Applicable temperature -40°C~+120°C. Surface Shore hardness 65~75HA. Black. Resistant to mineral oil, animal and plant oils, aliphatic hydrocarbons, alkali, non-oxidizing dilute acid corrosion, not oxidizing acid, aromatics, esters, ketones, ethers, halogenated hydrocarbons and other strong solvent corrosion. The price is lower.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM30NBR0-01	φ 292*14*14
RM50NBR0-02	φ 475*14*12

**CR Seal**

Applicable temperature -40°C ~+107°C . Surface Shore hardness 65~75HA. White. Resistant to dilute oxidizing acid and alkali corrosion, not resistant to ester, ketone, ether, aromatics, halocarbon, oxidizing acid corrosion. Oil resistance is lower than nitrile.

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM30SWL0-01	φ 341*10*11

**三元乙丙（EPDM）橡胶密封圈 EPDM Seal**

Applicable temperature -40°C ~+150°C. Surface Shore hardness 65~75HA. Black. Resistant to dilute acid, alkali, salt corrosion, not resistant to aromatics, oxidizing acid, petroleum products and other corrosion..

Please contact us to confirm the corrosion resistance of seals to specific media.

If you cannot find the required specifications, please contact us for customization.



Part No.	Dimensions (Inner Diameter * Width * Thickness)
RM50E000-01	φ 475*14*12
RM50E000-02	φ 470*18*12

## Installation Instructions for Manlid Sealing



1. Open the manlid cover and place it flat with the sealing groove facing up.



2. Check the sealing groove for impurities or defects, and wipe it clean to avoid affecting the seal.



3. Soak the sealing ring in cold water and then wipe it clean.  
Note: For PTFE+EPDM sealing rings, simply wipe them clean without soaking in cold water.



4. Press the sealing ring into the groove, evenly pressing it at 4 points as shown in the diagram, to ensure that the sealing ring is stretched evenly after installation.



5. Use a plastic or rubber hammer to tap and press the sealing ring into the groove.



6. If the sealing ring has protrusions due to uneven stretching, use a rubber hammer to press the sealing ring into the groove.

※Note: Manlid seals are wearing parts and need regular maintenance and replacement. Otherwise, the sealing effect will be affected.

## Installation Instructions for Manlid Braided Sealing Ring



1. Open the manlid cover and place it flat with the sealing groove facing up.



2. Check the sealing groove for impurities or defects, and wipe it clean to avoid affecting the seal.



3. Place the braided sealing ring above the manlid sealing groove, measure the required length of the sealing ring, and make a mark.



4. Cut off the excess part, shaping it as shown in the diagram.



5. Press the sealing ring into the groove, evenly pressing it at 4 points as shown in the diagram, paying attention to the direction of the sealing ring cut.



6. Use a plastic or rubber hammer to tap and press the sealing ring into the groove.

## Seal Kits



Part No.	To Fit
SNSA4001	1.5" BSP Relief Valve (Pressure and Vacuum O-RING, Tank seal)
SNSQ4001	1.5" Air Inlet Ball Valve (Including main seal and packing seal)
SNSQ5001	2" Full Bore Ball Valve (Including main seal and packing seal)
SNSQ5002	2" -3" Full Bore Ball Valve (Including main seal and packing seal)
SNSQ8001	3" Full Bore Ball Valve (Including main seal and packing seal)
SNSD8001	3" Butterfly Valve (Including main seal and spindle seal)
SNSJ8001	3" Foot valve (Including main seal and spindle seal)
SNSA6501	2.5" Relief Valve (Pressure and Vacuum O-RING, Tank seal)

## Maintenance Kits



Part No.	To Fit
SNMA4001	1.5" BSP Relief Valve (Pressure/Vacuum Plate, Spring)
SNMA6501	2.5" Relief Valve (Valve (Pressure/Vacuum Plate, Spring)
SNMQ4001	1.5" Air Inlet Ball Valve (Ball/Spindle/Handle)
SNMQ5001	2" Full Bore Ball Valve (Ball/Spindle/Handle)
SNMQ5002	2" -3" Full Bore Ball Valve (Ball/Spindle/Handle)
SNMQ8001	3" Full Bore Ball Valve (Ball/Spindle/Handle)
SNMD8001	3" Butterfly Valve (Closure Plate/Clamp Plate/Spindle/Handle Location Pin and Spring, Handle)
SNMJ8001	3" Foot valve (Solid Poppet/Spindle/Crank Block Assembly/Spring Top Plate and Spring/Handle)



Please contact our Sales team for your requirements if not listed above.

## Temperature Gauge



Part No.	Description
WW18C001	Analogue Temperature Gauge with 2000mm Capillary,DN100/4", Range:-40 °C~180°C/-50° F~350° F. Back Connection.
WW18C002	Analogue Temperature Gauge with 2000mm Capillary,DN100/4", Range:-40 °C~180°C/-50° F~350° F. Back Connection.With Protection.
WW18C003	Analogue Temperature Gauge with 3000mm Capillary,DN100/4", Range:-40 °C~180°C/-50° F~350° F. Bottom Connection.
WW16C001	Analogue Temperature Gauge with 3000mm Capillary,DN100/4", Range:-20 °C~160°C/-4° F~320° F. Bottom Connection.
WW16C002	Analogue Temperature Gauge with 2000mm Capillary,DN100/4", Range:-20 °C~160°C/-4° F~320° F. Back Connection.
WW16C003	Analogue Temperature Gauge with 2000mm Capillary,DN100/4", Range:-40 °C~160°C/-40° F~320° F. Bottom Connection.With Protection

## Pressure Gauge



Part No.	Description
WY07BB02	0-7bar(0-100PSI)Pressure Gauge, 1/4" BSP Bottom connection, St.St. internals, Glycerine filled.
WY10BB02	0-10bar(0-150PSI)Pressure Gauge,1/4" BSP Bottom connection, St.St. internals, Glycerine filled.
WY40BB02	0-40bar(0-600PSI)Pressure Gauge, 1/4" BSP Bottom connection, St.St. Internals, Glycerine filled.
WY40BB04	0-40bar(0-600PSI)Pressure Gauge, 1/4" BSP Back connection, St.St. internals, Glycerine filled.
WY07BP01	0-7bar(0-100PSI)Pressure Gauge, 1/4" PT Bottom connection ,St. St. internals, Glycerine filled.

Note: brass and stainless steel internalare available.

A unique rupture disc especially designed for the protection of intermodal tankcontainers and corresponding to the latest norms of IMO, ADR, RIO, USDOT, DOT BLUE and ISO.



BS&B facilities works and tests according to national and international standards and codes including ASME VIII, AD Merkblatt A1 and EN ISO 4126-2: Bursting disc safety devices.

BS&B is part of a global network of ISO 9001 certified manufacturing facilities with locations in Tulsa, Oklahoma; Minneapolis, Minnesota; Houston, Texas; Limerick, Ireland; Monterey, Mexico; Edmonton, Canada; Sao Paulo, Brazil; Suzhou, China; and Chennai, India. Guard has a long term relationship with BS&B and we are their only agent in the line of tankcontainers, road tankers and rail tankers.

## ISO Tank Containers/Road Tankers

Part No.	Size	Set to burst at
B0650440-01	65mm	4.40 BAR @20°C
B0650484-01	65mm	4.84 BAR @20°C
B0650726-01	65mm	7.26 BAR @20°C
B0650806-01	65mm	8.06 BAR @20°C
B0650900-01	65mm	9.00 BAR @20°C
B0800440-01	80mm	4.40 BAR @20°C
B0800484-01	80mm	4.84 BAR @20°C
B0800726-01	80mm	7.26 BAR @20°C
B0800806-01	80mm	8.06 BAR @20°C
B0800900-01	80mm	9.00 BAR @20°C

## Gas Tanks

Part No.	Size	Set to burst at
B0891660-01	89mm	16.60 BAR @55°C
B0892750-01	89mm	27.50 BAR @55°C
B0893036-01	89mm	30.36 BAR @55°C
B0892200-01	89mm	22.00 BAR @55°C
B0893785-01	89mm	37.85 BAR @55°C
B0892318-01	89mm	23.18 BAR @55°C

## Hydrogen Peroxide

Part No.	Size	Set to burst at
B2500450-01	250mm	4.50 BAR @20°C
B2500450-02	250mm	4.50 BAR @60°C
B2500600-01	250mm	6.00 BAR @20°C



Please contact our Sales team for your requirements if not listed above.



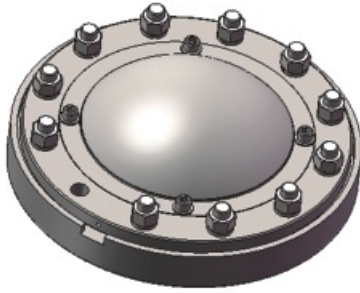
## American Continental Burst Group Corporation

Founded in 1956, 50 years of contact with the technical strength and good customer market created C.D.C. first-class brand.

ASME certification, safety first is the highest design concept of CDC products, based entirely on the rupture disc design international standards with high cost-effective access to the relevant international standards and regulations: ASME Section III, VIII, GUIDE, ISO 9001:2000, CE, ATEX.

Used in oil and gas fields, aerospace, weapons and equipment, semiconductors, medical, chemical, scientific research, and other manufacturing industries

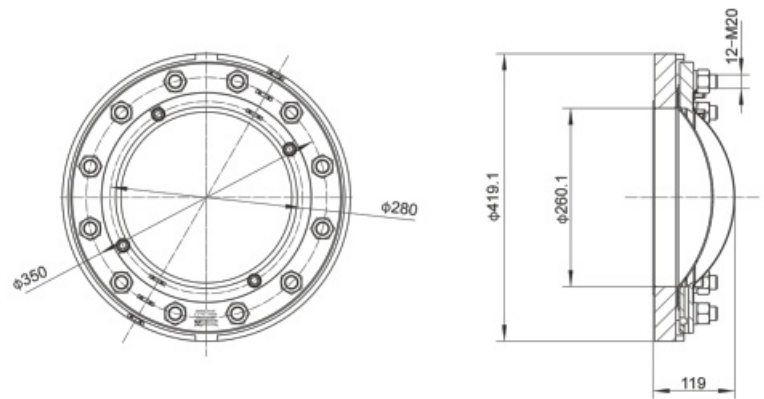




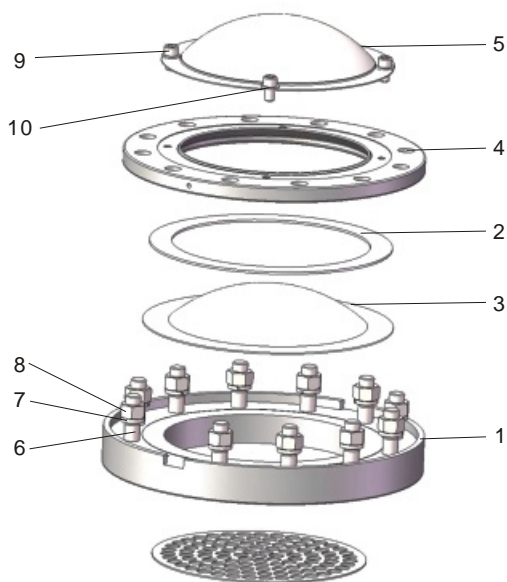
10" Rupture Disc Holder—12 fixed. 12-M20 bolts are used to distribute on  $\phi$  350 circles. The gripper is provided with a filter screen. Welding flanges, gripper flanges and dust cover are equipped with lead seals.

### Fitting Details

Part No.: LS201G01-00  
 Nominal Diameter: 260.1mm  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ + 200°C  
 Contact Parts: 316L  
 Seal: PTFE



### Part Drawing



Item	Part No.	Description
1	LS201G01-01-00	Gripper Flange
2	LS201G01-02	PTFE Washer
3	B250060001	Rupture Disc
4	LS201G01-03-00	Rupture Disc Holders
5	LS201G01-04-00	Dust Cover
6	85986900M20*55	Stud
7	8598110020	Washer
8	85984400M20	Nut
9	85988100M12*20	Cap Screw
10	8598100012	Washer



## Document Holders



Part No.	Description
WJ0002	PVC, 65mm×165mm Document Holder
WJ0003	PVC, 65mm×315mm Document Holder
WJ0004	Stainless Steel, 65mm×165mm Document Holder

## Flameproof Gauzes

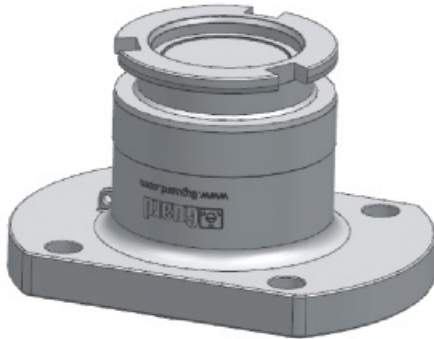


Part No.	Description
APB24001-20-00	1.5" Flameproof Gauzes-1.5 Safety Relief Valve
APB46501-20-00	2.5" Flameproof Gauzes-2.5 Safety Relief Valve

Fitting clamped gauze ring to 1.5" Reliefvalve reduces the flow by 12 %;  
 Fitting clamped gauze ring to 2.5" Reliefvalve reduces the flow by 1 %.



Please contact our Sales team for your requirements if not listed above.



2 1/2 " dry joint - inlet flange of  $4 \times \phi 17$  are all distributed on the PCD160mm flange surface, the outlet is  $\phi 104.7$ mm joint, the main seal is made of Vition material sealing ring, in addition, DN80, DN50 product specifications can be selected.

Part No.: 10651D01

Connection:

Inlet Flange:  $4 \times \phi 17 \times \text{PCD}160$

Outlet Connector: 104.7mm

Nominal Diameter: 61mm

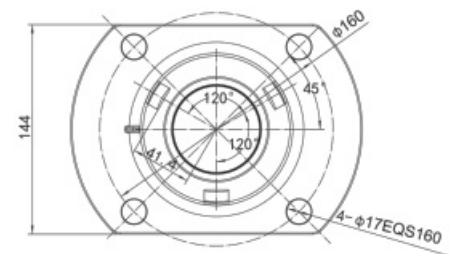
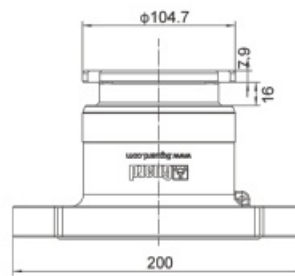
Nominal Pressure: PN25

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

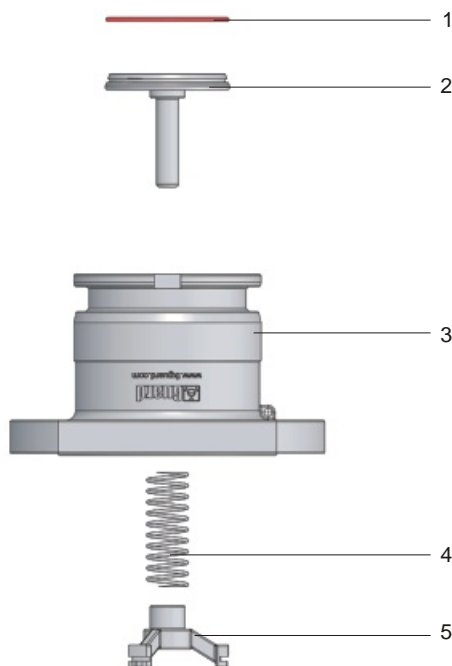
Contact Parts: CF8M

Seal: VITON

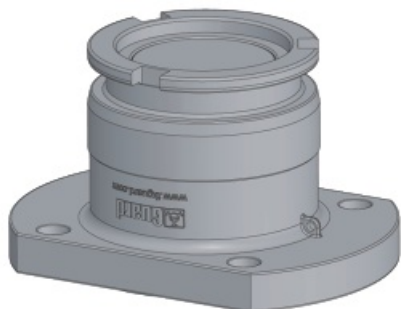
### Fitting Details



### Part Drawing



Item	Part No.	Description
1	8532000065*2.65	O-ring
2	10651D01-02	Pressure Plate
3	10651D01-01	Body
4	10801D01-03	Spring
5	10801D01-02	Guide Bar



3" Dry Coupling - the inlet flange is  $4 \times \phi 17$  equispaced on the PCD160mm flange, the outlet is  $\phi 119$ mm coupling, the main seal is made of Vition, and DN65, DN50 are also available.

Part No.: 10801D01

Connection:

Inlet Flange:  $4 \times \phi 17 \times \text{PCD}160$

Outlet Connector: 119mm

Nominal Diameter: 74mm

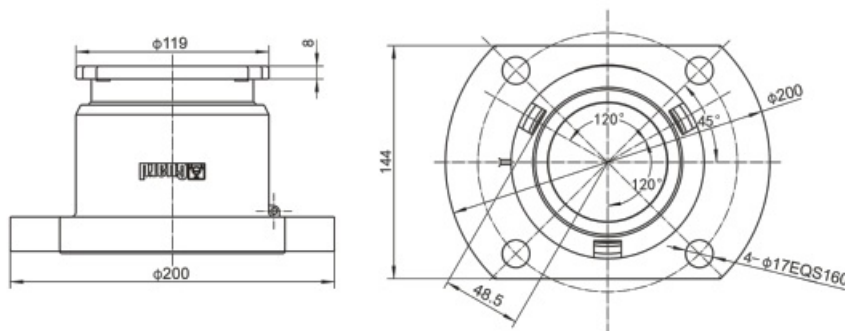
Nominal Pressure: 25Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

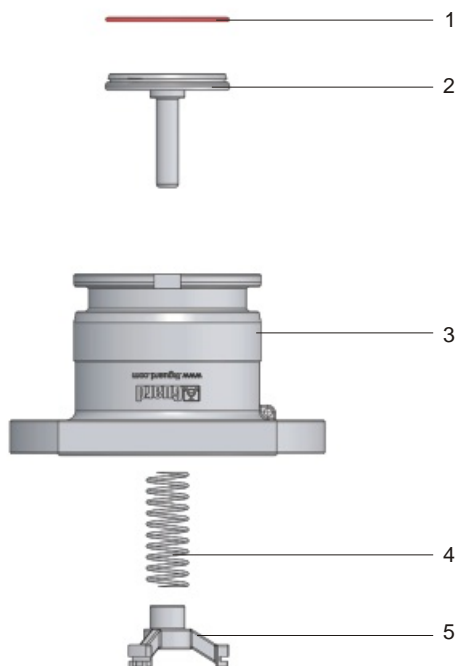
Contact Parts: CF8M

Seal: VITON

### Fitting Details



### Part Drawing



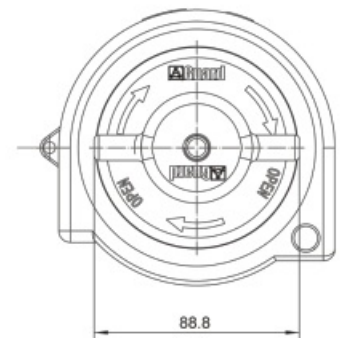
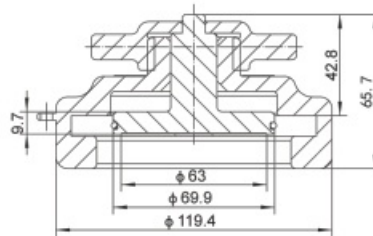
Item	Part No.	Description
1	8532000067*3.55	O-ring
2	10801D01-04	Pressure Plate
3	10801D01-01	Body
4	10801D01-03	Spring
5	10801D01-02	Guide Bar



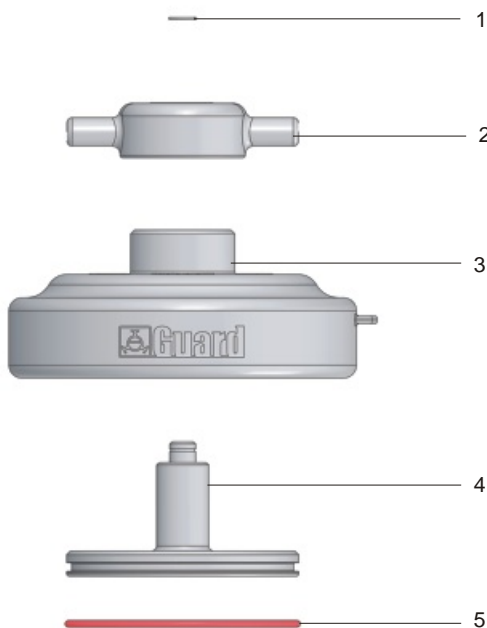
The dustproof cover can protect the outlet surface of the dry joint from damage, and can be used as a seal safety guarantee. The main seal is made of Viton material seal ring, and DN65 and DN50 product specifications can be selected.

### Fitting Details

Part No.: FG65W101  
 Design Pressure: 25Bar  
 Installation Specifications: 104.7mm Cover  
 Design Temperature: -40~200°C



### Part Drawing



Item	Part No.	Description
1	DIN9925-2016	Clasp
2	FG80W101-02	Screw Cap
3	FG65W101-01	Body
4	FG65W101-02	Plate
5	GB/T3452.1-1992	O-ring

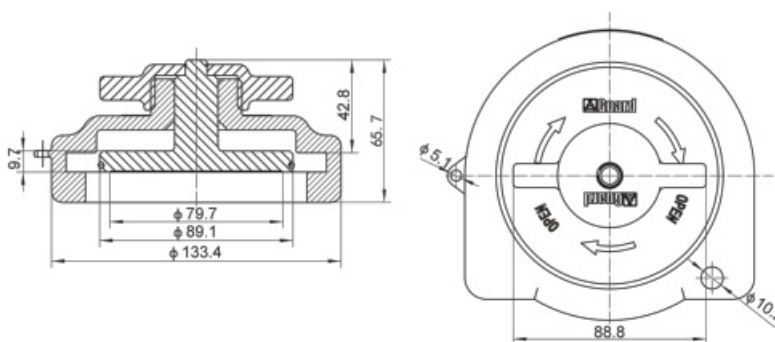
# 3" Dry Coupling Dustproof Cover



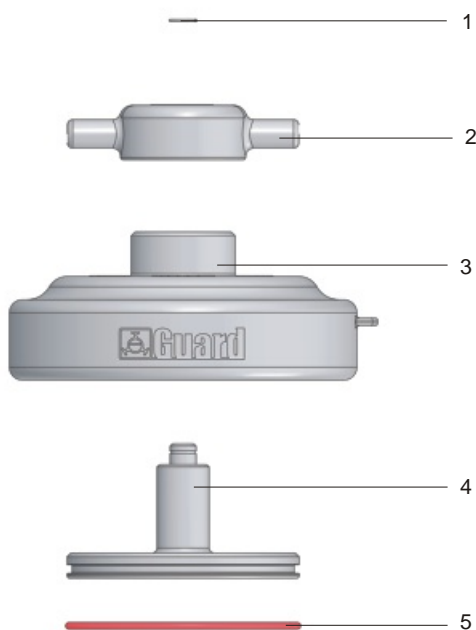
The Dustproof Cover can protect the outlet surface of the dry joint from damage, and can be used as a seal safety guarantee. The main seal is made of Viton material seal ring, and DN65 and DN50 product specifications can be selected.

## Fitting Details

Part No.: FG80W101  
 Design Pressure: 25Bar  
 Installation Specifications: 119mm Cover  
 Design Temperature: -40~200°C



## Part Drawing



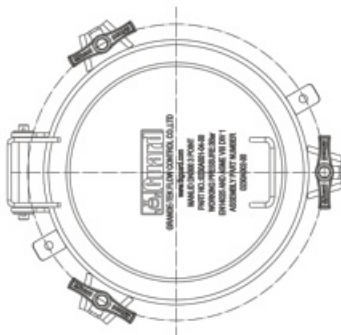
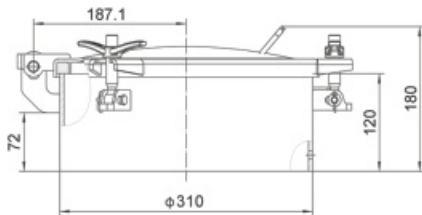
Item	Part No.	Description
1	DIN9925-2016	Clasp
2	FG80W101-02	Screw Cap
3	FG80W101-01	3" Dust Cap Body
4	FG80W101-03	Valve Plate
5	8532000075*2.65	O-ring



1. Inspection diameter 300mm, also 260mm, 270mm and other diameter size optional; 2. Neckring depth 120mm, also 150mm, 250mm size optional; 3. Material 304/316L stainless steel , also aluminum alloy, carbon steel material optional; 4. Adjustable bolt M14\*80, if you need to improve bolt strength, also can choose M16 bolt assembly 5. The sealing gasket is sold separately 6. Contact us for customization of special sizes.

Part No.: 0230A002-00  
 Nominal Diameter: 300mm  
 Test Pressure: 2Bar ( 29PSI )  
 Points: 3  
 Design Temperature: - 40°C ~ + 200°C  
 Cover Weight: 3.9kg  
 Neckring Weight: 5kg

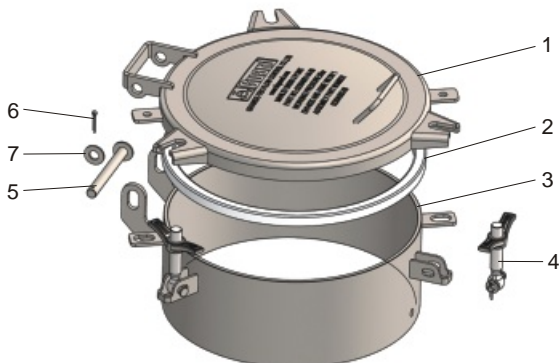
### Fitting Details



总图号	分图号	螺栓规格	排气孔	直筒材质	尺寸
0230A002-00	0230A002-01-00	盖	有	不锈钢	DN300,H120
	0230A002-03-00	圈			
R333AC02-00	0230A002-01-00	盖	有	铝合金	DN300,H120
	R333AC02-02-00	圈			
R333AC03-00	0230A002-01-00	盖	无	不锈钢	DN300,H120
	R333AC03-01-00	圈			
/	0230A002-01-00	盖	无	铝合金	DN300,H120
	R333AC02-03-00	圈			
R333AC04-00	R3563C13-03-00	盖	有	不锈钢	DN300,H120
	R333AC04-01-00	圈			
R333AC05-00	R3563C13-03-00	盖	有	铝合金	DN300,H120
	R333AC05-01-00	圈			
R333AC08-00	R3563C11-01-02-00	盖	有	不锈钢	DN260,H150
	R333AC08-01-00	圈			
R333AC09-00	R333AC09-01-00	盖	有	不锈钢	DN260,H150
	R333AC09-01-00	圈			
R333AL01-00	0230A002-01-00	盖	无	不锈钢	DN300,H250
	R333AL01-01-00	圈			
R333AM01-00	0230A002-01-00	盖	有	不锈钢	DN300,H300
	R333AM01-01-00	圈			

Temperature range depends on the seal

### Part Drawing



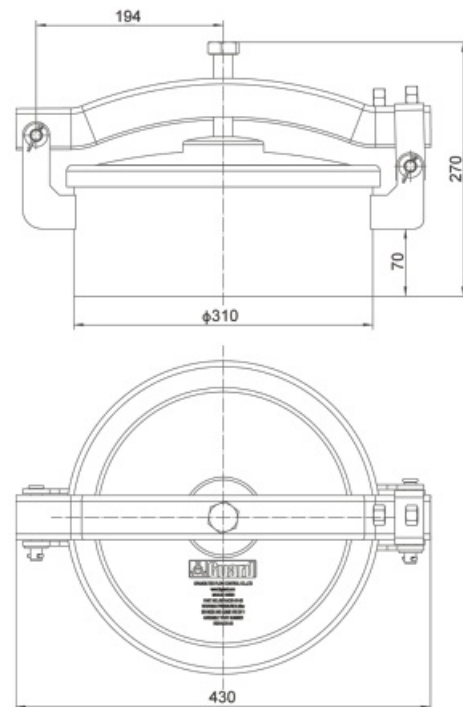
Item	Part No.	Description
1	0230A002-01-00	Manlid
2	See Seal Data	Seal (Sold Separately)
3	0230A002-02-00	Neckring
4	RL148002-00	Swingbolt Assembly
5	0250A001-03	Hinge Pin
6	859860003.2*20	Split Pin
7	8598100012	Washer

Atmospheric Vehicle Inspection. Suitable for storage and transport medium under atmospheric pressure environment. Beam type gland structure, manhole cover open and close easily. Tighten the pressure bolt to seal the manlid cover.

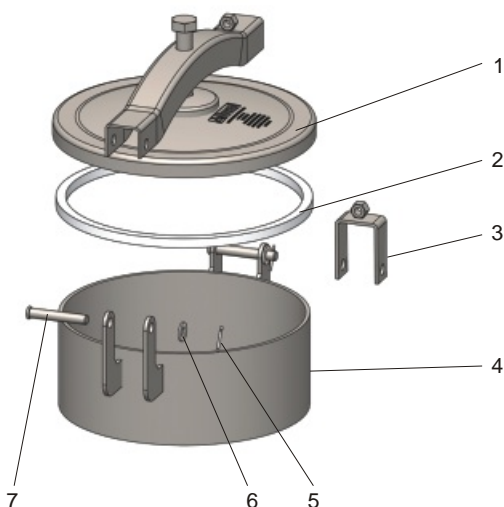


Part No.: R031AC01-00  
 Nominal Diameter: 300mm  
 Test Pressure: 0.2Bar(2.9PSI)  
 Design Temperature: - 20°C ~ + 200°C  
 Weight: 11kg

### Fitting Details



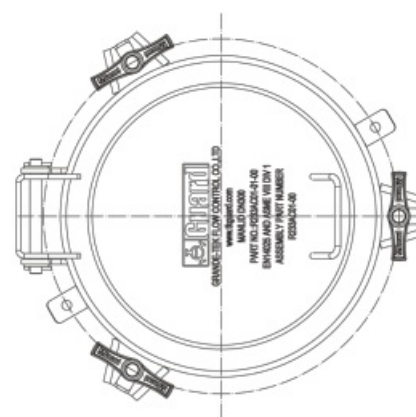
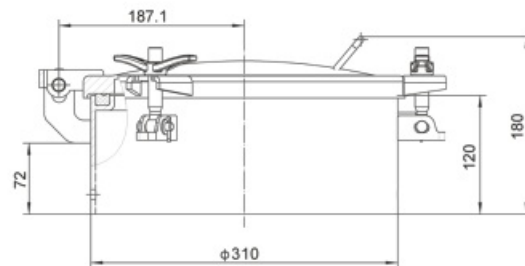
### Part Drawing



Item	Part No.	Description
1	R031AC01-01-00	Manlid Cover
2	RM30V000-02	Seal
3	R031AC01-03-00	Holder
4	R031AC01-02-00	Neckring
5	859860003.2*20	Split Pin
6	8598100012	Washer
7	859864012*85	Hinge Pin

DN300 Crane Pipe Inspection. Crane pipe is a special equipment for loading and unloading liquid media such as oil. On the basis of the inspection, according to the size of the crane pipe, a lining ring structure is added to realize the function of loading and unloading materials after docking with the crane pipe. Inspection cover special structure to fit neckring sealing surface. The sealing cover is mounted on the neckring and is provided separately. Optional - The inspection can be customized individually according to the size of the crane tube.

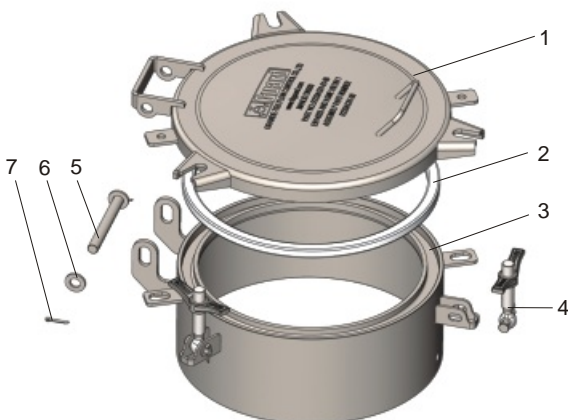
### Fitting Details



Part No.: R233AC01-00  
 Nominal Diameter: 300mm  
 Test Pressure: 2Bar(29PSI)  
 Points: 3  
 Design Temperature: - 40°C ~ +200°C  
 Cover Weight: 6.5kg  
 Neckring Weight: 6kg

Temperature range depends on the seal

### Part Drawing



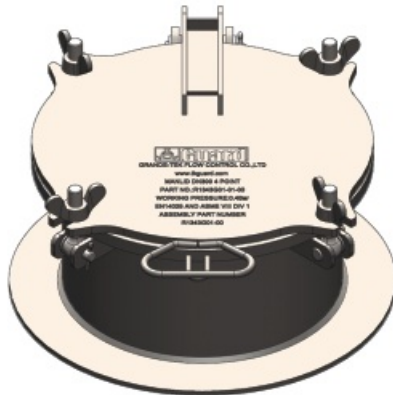
Item	Part No.	Description
1	R233AC01-01-00	Manlid Cover
2	See Seal Data	Seal (Sold Separately)
3	R233AC01-02-00	Neckring
4	RL148002-00	Swingbolt Assembly
5	0250A001-03	Hinge Pin
6	8598100012	Washer
7	859860003.2*20	Split Pin



Powder Container Flanged Inspection. The sealing ring is installed on the neckring flange surface,

All the parts in contact with the medium are polished, and the bottom plane reinforcement plate increases the actual strength.

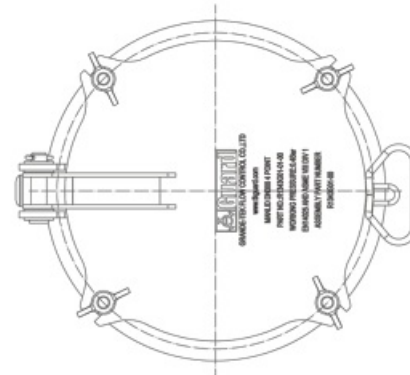
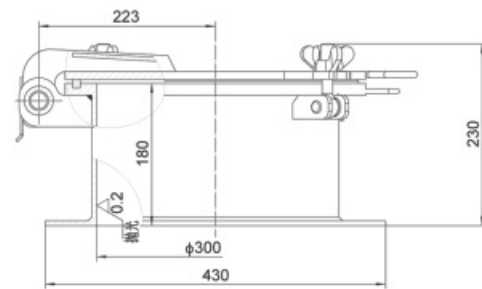
Suitable for storage and transportation of dry powder medium tank car. Seals are provided separately



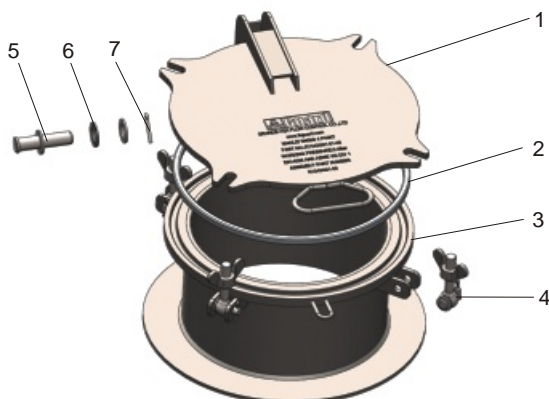
Part No.: R1343G01-00  
 Nominal Diameter: 300mm  
 Test Pressure: 0.6Bar(8.7PSI)  
 Points: 4  
 Design Temperature: - 40°C ~ +200°C  
 Cover Weight: 10.3kg  
 Neckring Weight: 17kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Fitting Details



### Part Drawing



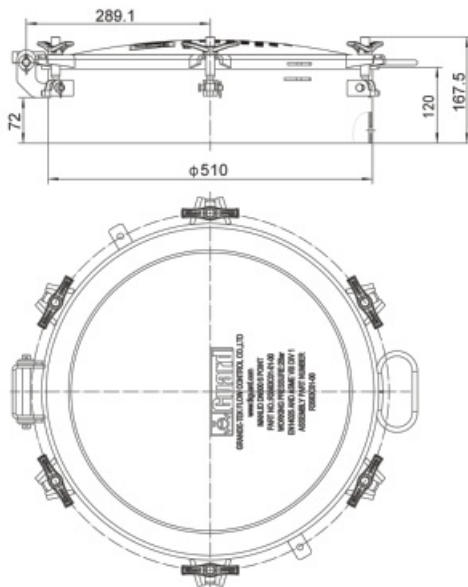
Item	Part No.	Description
1	R1343G01-01-00	Manlid Cover
2	See Seal Data	Seal (Sold Separately)
3	R1343G01-02-00	Neckring
4	RL168003-00	Swingbolt Assembly
5	8598640020*85	Hinge Pin
6	8598100020	Washer
7	859860005*36	Split Pin



Part No.: R3563C01-00  
 Nominal Diameter: 500mm  
 Test Pressure: 2Bar(29PSI)  
 Points: 6  
 Design Temperature: - 40°C ~ + 200°C  
 Cover Weight: 11.5kg; Neckring Weight: 7.8kg

DN500 Vehicle Manlid Assembly -6points.1. The height of the neckring is 120mm, and a variety of sizes such as 150mm can be selected or customized. 2. The thickness of the neckring can be 5mm or 6mm; 3, neckring material: stainless steel 304/316L, and aluminum alloy (thickness 8mm), carbon steel material is optional; 4. Bolt assembly specification M14\*80, if you need to improve bolt strength, you can choose M16 bolt assembly and matching; 5. The fastening part can be fixed at 8 points to improve the sealing stability. 6. The seal is provided separately;7. Contact us for customization of other special sizes.

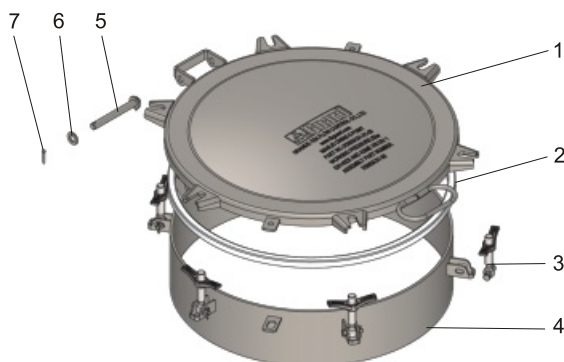
### Fitting Details



总图号	颈圈图号	螺栓规格	直筒材质	尺寸	盖图号
R3563C01-00	R3563C01-02-00	M14	不锈钢	H120t5	R3563C01-01-00
R3563F06-00	R3563F05-02-00	M14	不锈钢	H150t5	
R356AF01-00	R356AF01-02-00	M14	不锈钢	H150t6	
R356AG02-00	R356AG02-01-00	M14	不锈钢	H170t5	
R356AG03-00	R356AG03-01-00	M14	不锈钢	H200t6	
R356AL02-00	R356AL02-01-00	M14	不锈钢	H220t5	
R356AL01-00	R356AL01-01-00	M14	不锈钢	H250t6	
R356AM02-00	R356AM02-01-00	M14	不锈钢	H300t6	
R3563C04-00	R3563C02-08-00	M14	铝合金	H120t8	
R3563F08-00	R3563C02-06-00	M14	铝合金	H150t8	
R356AL03-00	R356AL03-01-00	M14	铝合金	H210t8	
R358AC01-00	R358AC01-02-00	M14	铝合金	H120t8	
R3563C16-00	R3563C13-05-00	M16	不锈钢	H150t6	
/	R356AC04-02-00	M16	不锈钢	H120t6	
R3563C17-00	R3563C17-01-00	M16	铝合金	H150t6	

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Part Drawing

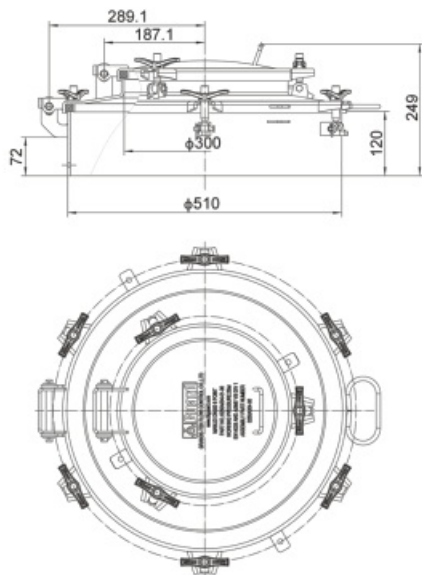


Item	Part No.	Description
1	R3563C01-01-00	Manlid Cover
2	See Seal Data	Seal (Sold Separately)
3	RL148002-00	Swingbolt Assembly
4	0250A004-04-00	Neckring
5	0250A001-03	Hinge Pin
6	8598100012	Washer
7	859860003.2*20	Split Pin



Part No.: 0250A004-00  
 Nominal Diameter: 500mm  
 Test Pressure: 2Bar(29PSI)  
 Points: 6  
 Design Temperature: - 40°C ~ + 200°C  
 Cover Weight: 14kg  
 Neckring Weight: 7.8kg

### Fitting Details

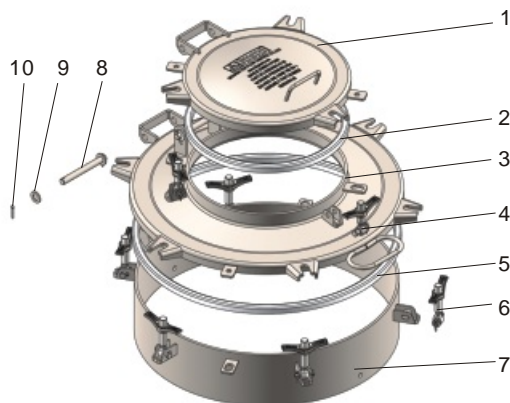


500mm Manlid Assembly with 300mm Inspection-6 points.1. The height of the neckring is 120mm, and a variety of sizes such as 150mm can be selected or customized. 2. The thickness of the neckring can be 5mm or 6mm; 3, neckring material: stainless steel 304/316L, and aluminum alloy (thickness 8mm), carbon steel material is optional; 4. Bolt assembly specifications M14\*80, M14\*65, if you need to improve bolt strength, you can choose M16 bolt assembly and matching; 5, the fastening structure can be fixed at 8 points to improve the sealing stability. 6, The seal is provided separately; 7. Contact us for customization of other special sizes;

总图号	颈圈图号	螺栓规格	直筒材质	尺寸	盖图号
R356AC05-00	R356AC05-01-00	M14	不锈钢	H100t5	R3563F05-01-00
0250A004-00	R3563C01-02-00	M14	不锈钢	H120t5	
R3563F05-00	R3563F05-02-00	M14	不锈钢	H150t5	
R356AF06-00	R356AF01-02-00	M14	不锈钢	H150t6	
R3563C02-00	R3563C02-08-00	M14	铝合金	H120t8	
R3563F07-00	R3563C02-06-00	M14	铝合金	H150t8	
R3563C11-00	R3563C01-02-00	M14	不锈钢	H120t5	R3563C11-01-00 (DN500-DN260)
R3563C12-00	R3563C01-02-00	M14	不锈钢	H120t5	R3563C12-01-00 (DN500-DN270)
R358AC02-00	R358AC01-02-00	M14	铝合金	H120t8	R358AC02-01-00
R3563C13-00	R3563C13-05-00	M16	不锈钢	H150t6	R3563C13-04-00

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Part Drawing



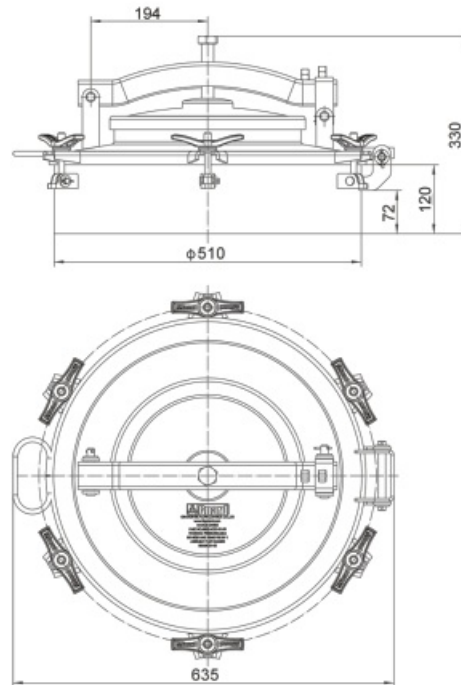
Item	Part No.	Description
1	0230A002-01-00	Inspection Cover
2	See Seal Data	Seal (Sold Separately)
3	0250A004-01-00	Manlid Cover
4	RL146501-00	Swingbolt Assembly
5	See Seal Data	Seal (Sold Separately)
6	RL148002-00	Swingbolt Assembly
7	0250A004-04-00	Neckring
8	0250A001-03	Hinge Pin
9	8598100012	Washer
10	859860003.2*20	Split Pin



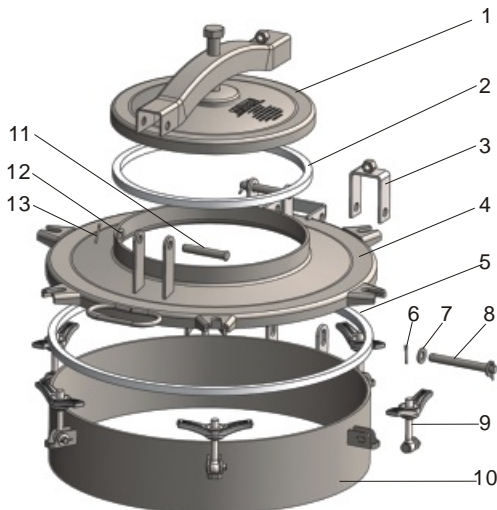
Atmospheric Vehicle Manlid Assembly. DN500 cover quick-open bolt assembly locking, cover on the DN300 inspection cover cross beam gland structure, atmospheric pressure. Suitable for storage and transport medium under atmospheric pressure environment. The manlid cover opens and closes easily. Tighten the pressure bolt to seal the manlid cover.

Part No : R0563C01-00  
 Nominal Diameter : 500mm  
 Test Pressure : 0.2Bar(2.9PSI)  
 Design Temperature : - 20°C ~ + 200°C  
 Cover Weight: 15.5kg  
 Neckring Weight: 7.8kg

### Fitting Details



### Part Drawing

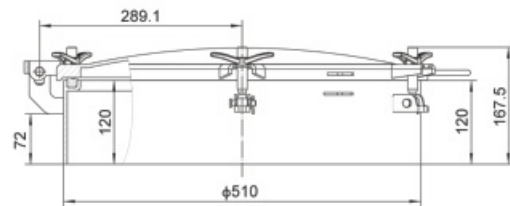


Item	Part No.	Description
1	R031AC01-01-00	300 Manlid Cover
2	RM30V000-02	300 Seal
3	R031AC01-03-00	Holder
4	R0563C01-01-00	500 Manlid Cover
5	RM50V000-01	500 Seal
6	859860003.2*20	Split Pin
7	8598100012	Washer
8	0250A001-03	Hinge Pin
9	RL148002-00	Bolt assembly
10	R0563C01-02-00	Neckring
11	859864012*85	Hinge Pin
12	8598100012	Washer
13	859860003.2*20	Split Pin

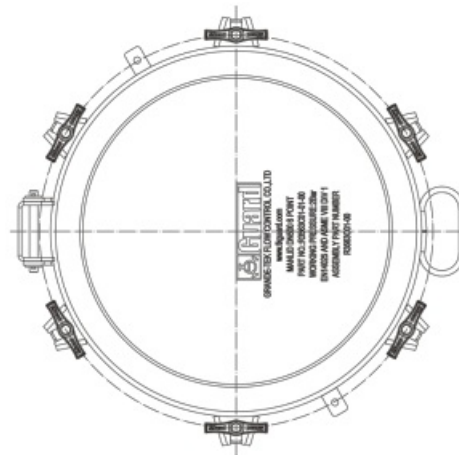
DN500 Crane Pipe Manlid Assembly. Crane pipe is a special equipment for loading and unloading liquid media such as oil. On the basis of the manlid of the crane pipe, according to the size of the crane pipe, a lining ring structure is added to realize the function of loading and unloading materials after docking with the crane pipe. Manlid cover special structure to fit the neckring sealing surface. The sealing cover is mounted on the neckring and is provided separately. Optional - Custom manlids can be made according to the size of the crane pipe



Fitting Details

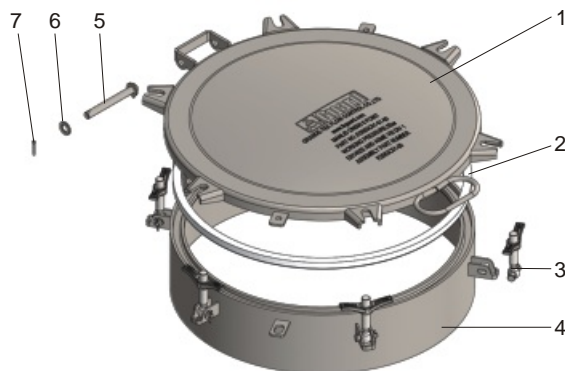


Part No.: R256AC02-00  
 Nominal Diameter: 500mm  
 Test Pressure: 2Bar(29PSI)  
 Points: 6  
 Design Temperature: - 40°C ~ + 200°C  
 Cover Weight: 16.5kg  
 Neckring Weight: 9.5kg



Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

Part Drawing



Item	Part No.	Description
1	R256AC02-01-00	Manlid Cover
2	See Seal Data	Seal (Sold Separately)
3	RL148002-00	Swingbolt Assembly
4	R256AC02-02-00	Neckring
5	0250A001-03	Hinge Pin
6	8598100012	Washer
7	859860003.2*20	Split Pin

DN500 Crane Pipe Manlid Assembly(with DN300 Inspection ) -- 6 points.

The crane pipe manlid and crane pipe inspection are combined to reduce the opening in the tank body.

The sealing cover is mounted on the neckring and is provided separately.

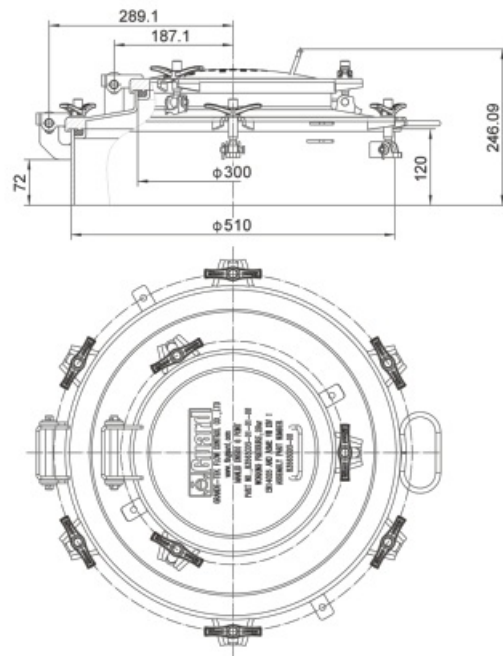
Optional - Custom manlids can be made according to the size of the crane pipe



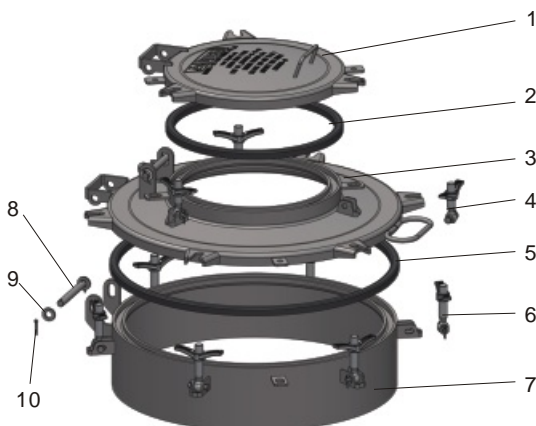
Part No.: R3563C03-00  
 Nominal Diameter: 500mm  
 Test Pressure: 2Bar(29PSI)  
 Points: 6  
 Design Temperature: - 40°C ~ + 200°C  
 Cover Weight: 21.5kg  
 Neckring Weight: 9.5kg

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

Fitting Details



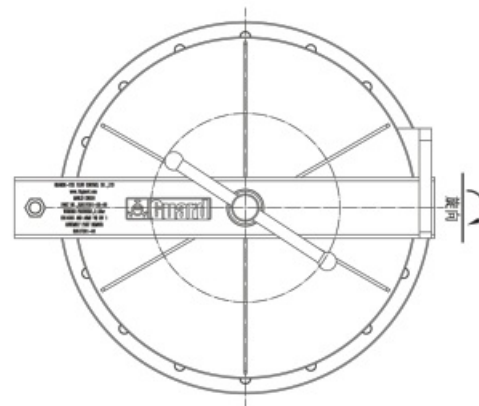
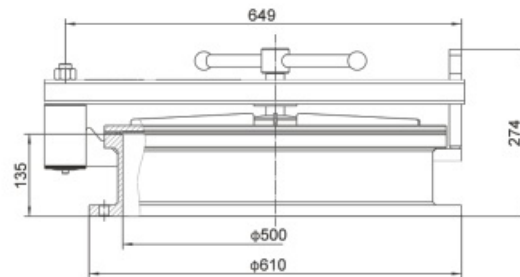
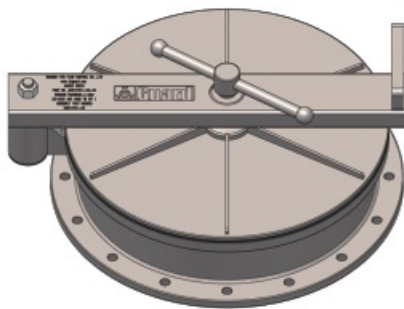
Part Drawing



Item	Part No.	Description
1	R3563C03-01-01-00	Inspection Cover
2	See Seal Data	Seal (Sold Separately)
3	R3563C03-01-02-00	Manlid Cover
4	RL146501-00	Swingbolt Assembly
5	See Seal Data	Seal (Sold Separately)
6	RL148002-00	Swingbolt Assembly
7	R3563C03-02-00	Neckring
8	0250A001-03	Hinge Pin
9	8598100012	Washer
10	859860003.2*20	Split Pin

DN500 Atmospheric Rotary Opened Manlid Assembly .After loosening the rocker of the manlid cover, the cover body is rotated to one side to realize opening; The rotating parts are driven by bearings, convenient and labor-saving. The collar is connected to the welded flange of the tank by 16 M12 bolt assemblies. The part in contact with the medium is made of carbon steel, the sealing pad is fluorine rubber flat pad, and the sealing effect is good. Suitable for storage and transport of concentrated sulfuric acid tank car under atmospheric pressure.

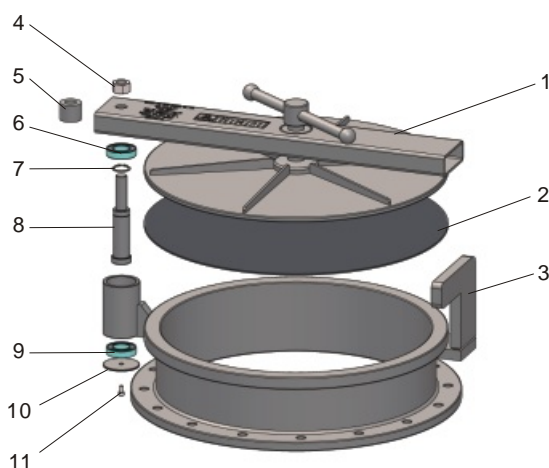
### Fitting Details



Part No.: R051FC01-00  
 Nominal Diameter: 500mm  
 Test Pressure: 0.2Bar(2.9PSI)  
 Design Temperature: - 40°C ~ + 200°C  
 Weight: 66kg

Temperature range depends on the seal

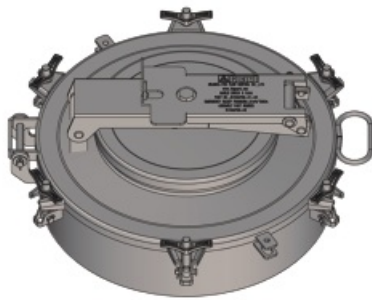
### Part Drawing



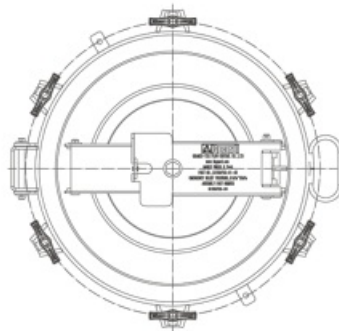
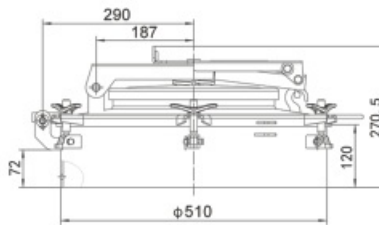
Item	Part No.	Description
1	R051FC01-02-00	Swing Cover
2	RM50V000-03	Viton Pad
3	R051FC01-01-00	Neckring
4	85984400M20	Nut
5	R051FC01-06	Suite
6	850098017006AC	Bearing
7	8598120030	Ring
8	R051FC01-05	Spindle
9	850098017006AC	Bearing
10	R051FC01-07	Cover
11	85988100M6*16	Screw

DN500 Explosion-proof Manlid Assembly, manlid cover with emergency release device. When the pressure difference between inside and outside the tank reaches the drain pressure, the pressure is released outward through the emergency drain device on the manlid cover. When the pressure difference is lower than the set pressure value, it is sealed. It can balance the pressure inside and outside the tank. There are 5 levels of relief pressure to choose from. Conventional explosion-proof manlid parameters: 1, neckring height 120mm; 2. The thickness of neckring is 5mm; 3, neckring material: stainless steel 4, bolt assembly specification M14\*80; 5, 6 points, seal gasket: PTFE coated EPDM; 7, other special requirements contact us for customization.

## 防爆系列



### Fitting Details

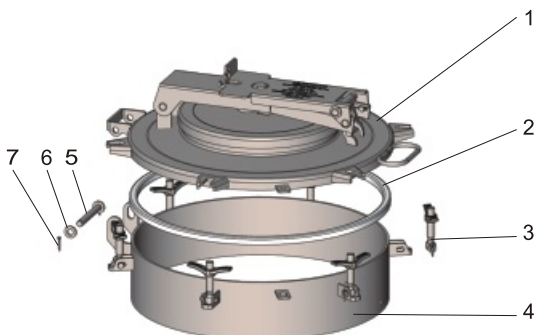


Part No.: R156AF02-01-00  
 Nominal Diameter: 500mm  
 Design Pressure: 1Bar(14.5PSI)  
 Emergency Pressure Relief: 21kPa~35kPa  
 Points: 6  
 Design Temperature: -40°C ~ +200°C  
 Cover Weight: 16.7kg  
 Neckring Weight: 7.8kg

Part No.	产品区别
R156AF02-00	常规产品
R156AF02-02-00	35kPa~49kPa防爆盖
R156AF02-03-00	49kPa~63kPa防爆盖
R156AF02-04-00	63kPa~78kPa防爆盖
R156AF02-05-00	78kPa~92kPa防爆盖
R156AF03-00	铝合金颈圈H120
R156AF04-00	碳钢颈圈H220
R156AF05-00	不锈钢颈圈H150
R156AF06-00	不锈钢颈圈H150, M16
R156AF07-00	铝合金颈圈H150, M16
R156AF08-00	不锈钢颈圈H170
R156AF10-00	不锈钢颈圈H210
R156AF12-00	不锈钢颈圈H230
R156AF13-00	食品级硅胶密封圈
R156AF16-00	FEP包覆硅胶密封圈
R156AF17-00	抛光, 食品级
R156AF20-00	脱油脱脂处理
R156AF22-00	高温硅胶密封圈
R158AC01-00	8点固定
R158AC02-00	8点固定; 78kPa~92kPa
R158AC03-00	配耐高压颈圈

Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Part Drawing



Item	Part No.	Description
1	R156AF02-01-00	Explosion-proof Manlid Cover
2	RM50EP00-01	Seal
3	RL148002-00	Swingbolt Assembly
4	0250A004-04-00	Neckring
5	0250A001-03	Hinge Pin
6	8598100012	Washer
7	859860003.2*20	Split Pin





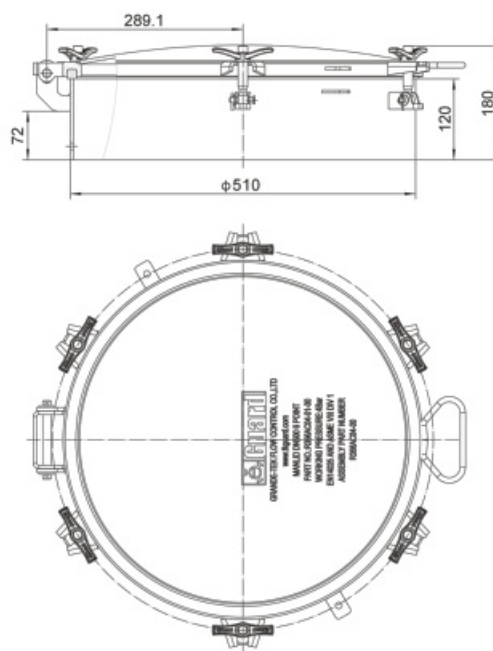
DN500 With stands 4Bar Pressure Manlid Assembly, when using PTFE coated EPDM seal ring, bolt locking torque up to 90N.m, pressure resistant 4Bar (25°C). It is suitable for the tank car whose detection pressure is 4Bar.

Standard M16 stainless steel swing bolt assembly;  
The gasket is provided separately;

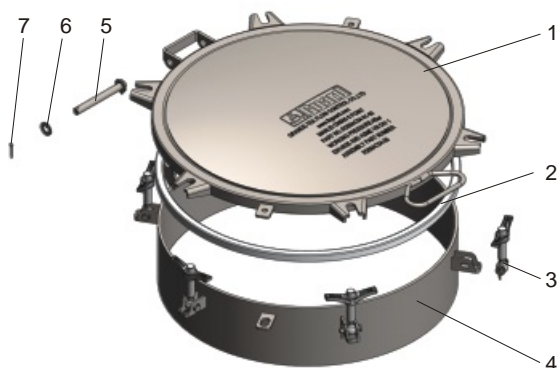
Part No.: R356AC04-00  
Nominal Diameter: 500mm  
Text Pressure: 4Bar(58PSI)  
Points: 6  
Design Temperature: - 40°C ~ + 200°C  
Cover Weight: 13.5kg  
Neckring Weight: 8kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	R356AC04-01-00	Manlid Cover
2	See Seal Data	Seal(Sold Separately)
3	RL169001-00	Swingbolt Assembly
4	R356AC04-02-00	Neckring
5	0250A001-03	Hinge Pin
6	8598100012	Washer
7	859860003.2*20	Split Pin



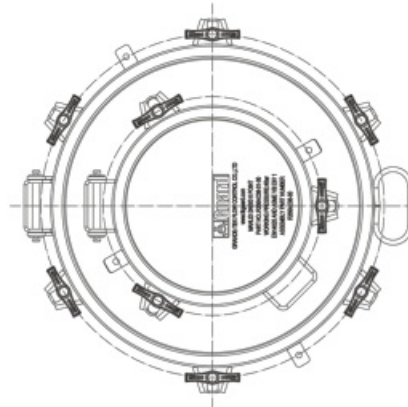
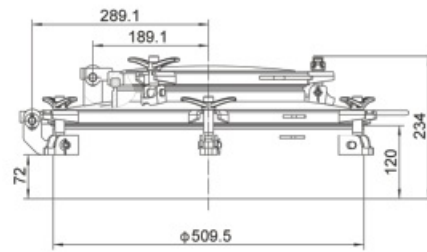
DN500 With stands 4Bar Pressure Manlid Assembly -With DN300 Inspection, when using PTFE coated EPDM seal ring, bolt locking torque up to 90N.m, pressure resistant 4Bar (25°C). manlid cover with inspection cover, save tank opening. It is suitable for the tank car whose detection pressure is 4Bar.

Standard M16 stainless steel swing bolt assembly.  
The gasket is provided separately.

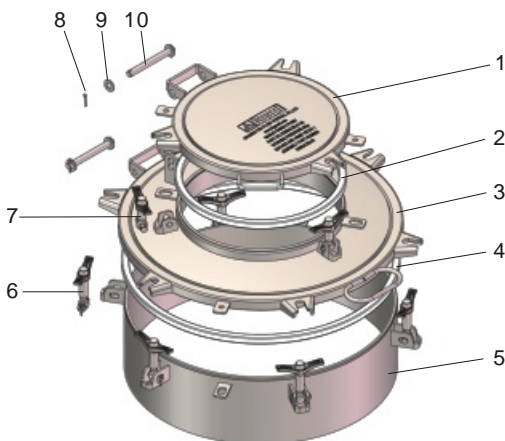
- Part No : R356AC08-00
- Nominal Diameter : 500mm
- Text Pressure : 4Bar(58PSI)
- Points : 6
- Design Temperature : - 40°C ~ +200°C
- Cover Weight: 20kg
- Neckring Weight: 8kg

Temperature range depends on the seal.  
Neckring profiled to suit tank radius.

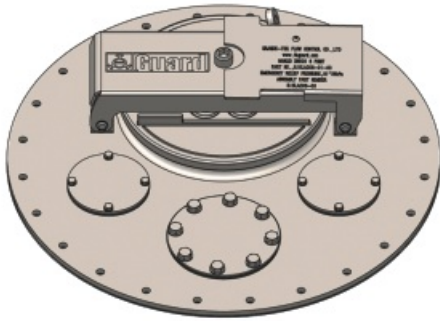
Fitting Details



Part Drawing



Item	Part No.	Description
1	R356AC08-01-00	Dn300 Inspection Cover
2	See Seal Data	Seal (Sold Separately)
3	RL169001-00	DN500 Manlid Cover
4	See Seal Data	Seal(Sold Separately)
5	R356AC04-02-00	Neckring
6	RL169001-00	Swingbolt Assembly
7	RL166001-00	Swingbolt Assembly
8	859860003.2*20	Split Pin
9	8598100012	Washer
10	0250A001-03	Hinge Pin

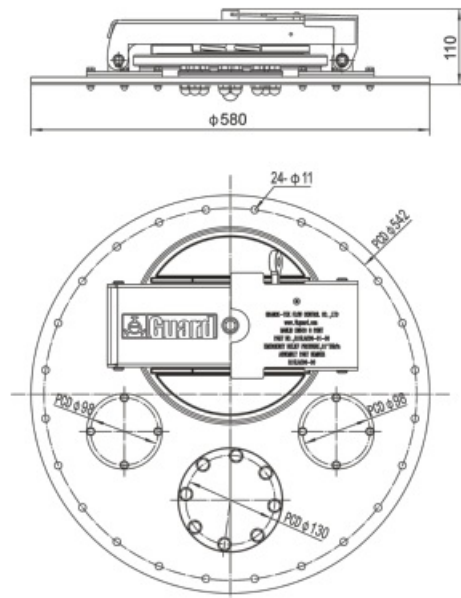


DN500 European Standard Manlid Cover, design requirements in line with QC/T 1065-2017. The flange cover and recking are secured by 24 M10 bolts. The emergency discharge pressure is 21~35kPa. Oil and gas recovery valve, anti-overflow probe rod device, oil gauge rod device, built-in breathing valve (pressure 6~12kPa, vacuum pressure 2~4kPa) can be installed. Option - Connection size: outer diameter  $\phi$  560, circular hole distance  $\phi$  530; (R15LAC07-01-00) Optional - Reserved accessories flange mounting holes can be customized according to customer requirements

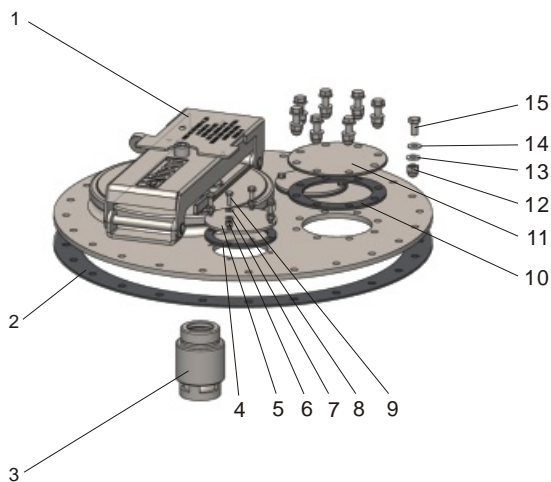
Part No : R15LAC06-01-00  
 Nominal Diameter : 500mm  
 Nominal Pressure : 大于65kPa  
 Emergency Pressure Relief: 21~35kPa  
 Points : 24  
 Design Temperature : - 20°C ~ + 50°C  
 Weight: 26kg

Temperature range depends on the seal

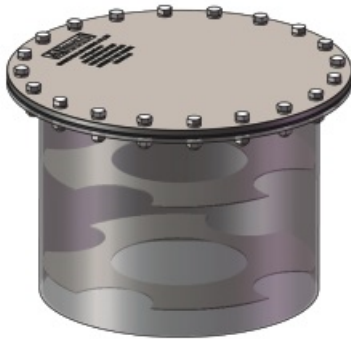
### Fitting Details



### Part Drawing



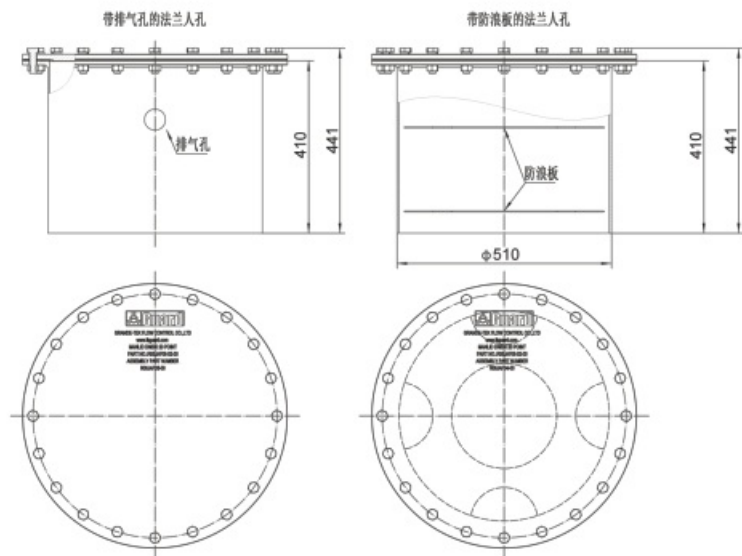
Item	Part No.	Description
1	R15LAC06-01-00	Explosion-Proof Manlid Cover
2	11FC0006	DN500 Washer
3	18400001-00	Breather Valve
4	114C0036	DN40 Seal
5	R15LAC06-01-22	DN40 Flange Cover
6	85984800M6	Nut
7	DA104A01-06	Seal
8	859810006	Washer
9	85988100M6*25	Bolt
10	11800045	DN80 Gasket
11	R15LAC06-01-24	DN80 Flange Cover
12	85984800M10	Nut
13	YK010001-06-05	Seal
14	8598100010	Washer
15	85988100M10*30	Bolt



DN500 Vehicle Flange Manlid Assembly , flange cover and neckring are connected by 20 M16 bolts. The neckring can be welded inside the wave plate, can effectively prevent the impact of the media due to inertia on the cover body, suitable for atmospheric tank car. Gaskets and fasteners are provided separately.

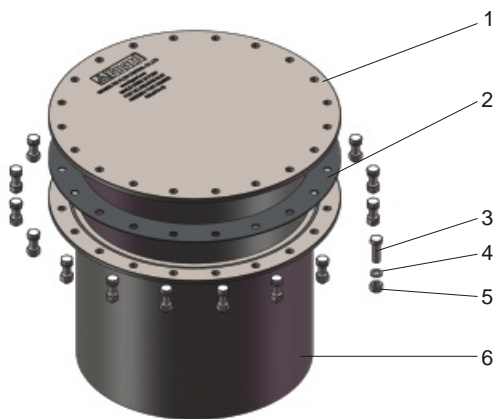
### Fitting Details

Part No.: R05JAF03-00  
 Nominal Diameter: 500mm  
 Points: 20  
 Design Temperature: - 40°C ~ + 200°C  
 Cover Weight: 35.5kg  
 Neckring Weight: 34kg



Temperature range depends on the seal.  
 Neckring profiled to suit tank radius.

### Part Drawing



Item	Part No.	Description
1	R05JAF06-02-00	Flange Manlid Cover
2	See Seal Data	Seal (Sold Separately)
3	85983300M16*50	Bolt
4	8598110016	Washer
5	85984400M16	Nut
6	R05JAF03-01-00	Neckring

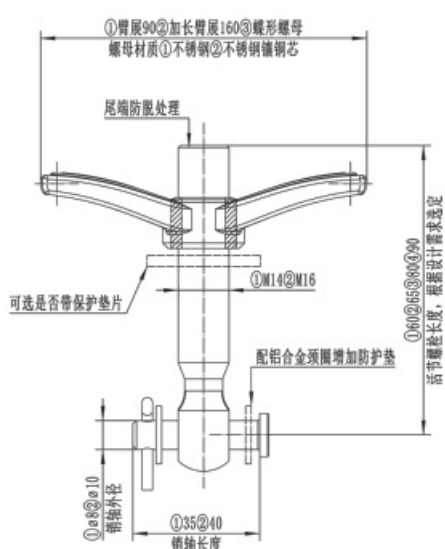


Vehicle Manlid swing bolt assembly for fastening between vehicle manlid cover and neckring. Bolts commonly used M14 and M16 specifications, thread surface high strength treatment, increase thread life. The tail end is treated to prevent nut loss. Bolt length can be customized according to the design size.

### 螺栓系列

Part No.	Description	Weight(kg)
LS21AU01-00	M14X80活节螺栓+M14元宝螺母, 装配后尾端防脱处理	0.155
LS21AU02-00	M14X65活节螺栓+M14元宝螺母, 装配后尾端防脱处理	0.143
RL146501-00	配DN500带DN300检查孔的车辆小盖 (常规)	0.162
RL146502-00	配DN500带DN300检查孔的车辆小盖, 带保护垫	0.167
RL148001-00	配铝合金车辆颈圈 (常规)	0.178
RL148002-00	配不锈钢车辆颈圈 (常规)	0.174
RL148003-00	配铝合金车辆颈圈, 带保护垫	0.183
RL148004-00	配不锈钢车辆颈圈, 带保护垫	0.179
RL148006-00	配铝合金车辆颈圈, 螺母臂展加长160mm	0.263
RL148007-00	配不锈钢车辆颈圈, 螺母臂展加长160mm	0.259
RL148008-00	配铝合金车辆颈圈, 不锈钢螺母嵌铜芯	0.232
RL148009-00	配不锈钢车辆颈圈, 不锈钢螺母嵌铜芯	0.228
RL166001-00	配DN500带DN300检查孔的车辆小盖, M16	0.248
RL168001-00	配不锈钢车辆颈圈, M16	0.290
RL168002-00	配铝合金车辆颈圈, M16	0.294
RL168003-00	配不锈钢车辆颈圈, M16蝶形螺母	0.266
RL169001-00	配耐4Bar不锈钢车辆颈圈, M16	0.306

### Fitting Details



### Part Drawing



### RL148002-00(M14\*80 Bolt Assembly)

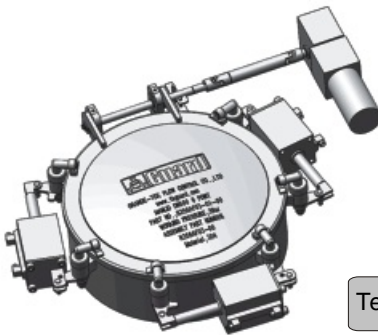
Item	Part No.	Description
1	RL147001-01	Nut
2	85983800M14*80	Bolt
3	859864008*30	Hinge Pin
4	859810008	Gasket
5	859860003.2*16	Split Pin

### RL169001-00(M16\*90 Bolt Assembly)

Item	Part No.	Description
1	RL166001-01	Nut
2	85983800M16*90	Bolt
3	8598640010*40	Hinge Pin
4	8598100010	Gasket
5	859860003.2*18	Split Pin

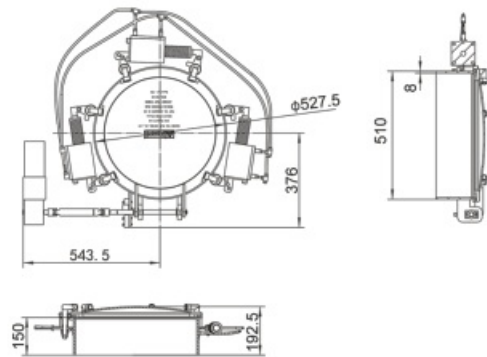
DN500 automatic manlid is driven by motor and cylinder to realize the automatic opening and closing control of the manlid cover. The operator can control the opening and closing of the manlid cover on the tank top from the ground, which is safe and convenient.

Working principle: 1. The retraction of the cylinder ejector rod drives the pressure block to move away from the upper lug; 2. The motor drives the transmission shaft to rotate clockwise, thereby driving the manlid cover to swing open; 3. The motor drives the transmission shaft to rotate counterclockwise until the manlid cover is closed; 4. The ejector rod of the cylinder extends to drive the pressing block to press the upper lug to achieve a sealed state.

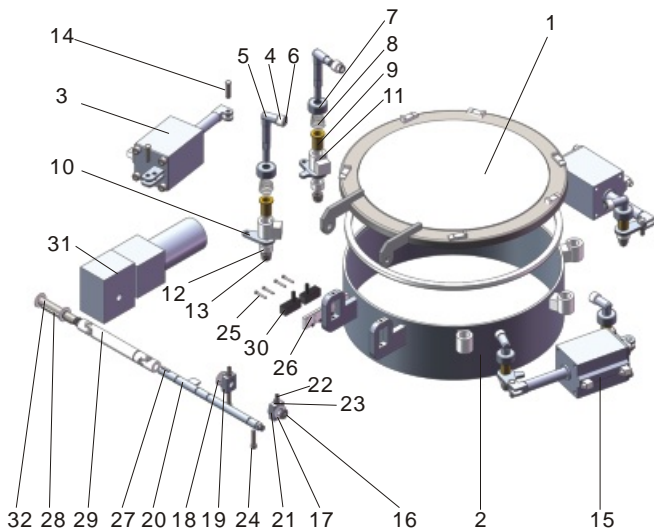


Part No.: R356AF03-00  
 Nominal Diameter: 500mm  
 Test Pressure: 2Bar ( 29PSI )  
 Design Temperature: - 40°C ~ + 200°C

Temperature range depends on the seal



## Part Drawing



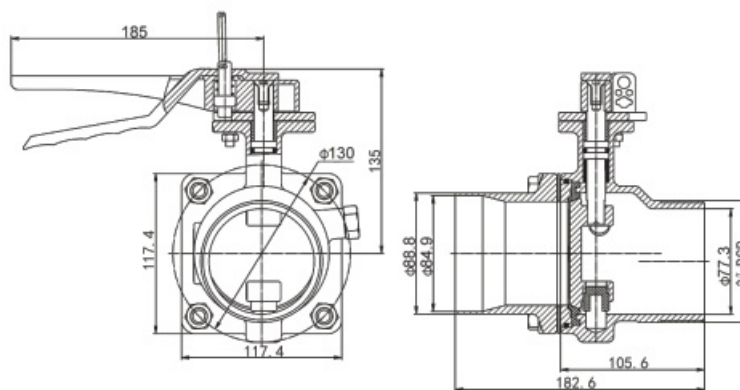
Item	Part No.	Description
1	R356AF030100	Automatic Manlid Cover Assembly
2	R356AF030200	Automatic Neckring Assembly
3	R356AF030300	Automatic Manlid Cylinder Assembly
4	R356AF0213	Bearing Bush
5	R356AF020700	Automatic Manlid Wheel Assembly
6	8598120016	Ring
7	R356AF030800	Spring Gland Assembly
8	APB4650106	Negative Pressure Tower Spring
9	R356AF0209	Copper Bushings
10	R356AF0210	Link Lever
11	R356AF0312	Link Lever With Limiter
12	R356AF0211	Locating Bush
13	85985400M14	Nut
14	8598640010*40	Hinge Pin
15	85989600PL803	PL8-03 Connector
16	8598120012	Ring
17	8598100012	Washer
18	8598100018	Washer
19	8598120018	Ring
20	R356AF030500	Rotating Shaft Assembly
21	R356AF0206	Manlid Slider
22	85988000M8*25	Hexagon Socket Flat End Setting Screws
23	85984200M8	Nut
24	85988100M8*40	Capscrew
25	85988100M4*30	Capscrew
26	85984200M4	Nut
27	859899080618	Buttons
28	859899080650	Buttons
29	852899090002	Cardan Joint (WSS-18-243)
30	85009903AZ15GQ	Micro-action Sensor Switch
31	8500990224V120W	Motor
32	R356AF0314	Rotating Shaft



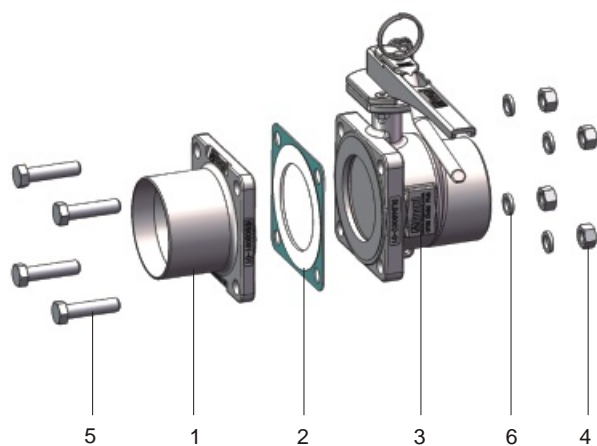
3" Road Tanker Butterfly Valve— Left open, with lead seal hole, location pin and Multistage seal on spindle, prevents leaks during transport. It is also suitable to act as a bottom discharge.

### Fitting Details

Part No.: HDB08001-00  
 Connection: Inlet Welding  
                   Outlet 3" BSP  
 Nominal Diameter: 80mm  
 Nominal Pressure: 6Bar  
 Contact Parts: 316  
 Fitted with PTFE seal  
 Design Temperature: -40°C ~200°C



### Part Drawing



Item	Part No.	Description
1	HDB08001-01	Flange to Welding
2	HDB08001-02-00	Gasket
3	DLB68002-00	Unify Butterfly Valve
4	85984400M12	Nut
5	85983300M12*50	Bolt
6	8598110012	Spring Washer

Note: Spare parts for repair are available separately.



Emergency Cut-off Valve(Gas)-gas valve. Inlet flange 4 × φ 18mm are all distributed on the φ 125 circles. Outlet flange 4 × φ 14mm are all distributed on the φ 85 circles. The valve is provided with overflow cut-off function.

Part No.: QGD42C2501-00

Connection:

Inlet Flange 4 × φ 18 × PCD125

Outlet Flange 4 × φ 14 × PCD85

Nominal Diameter: 25mm

Nominal Pressure: 25Bar

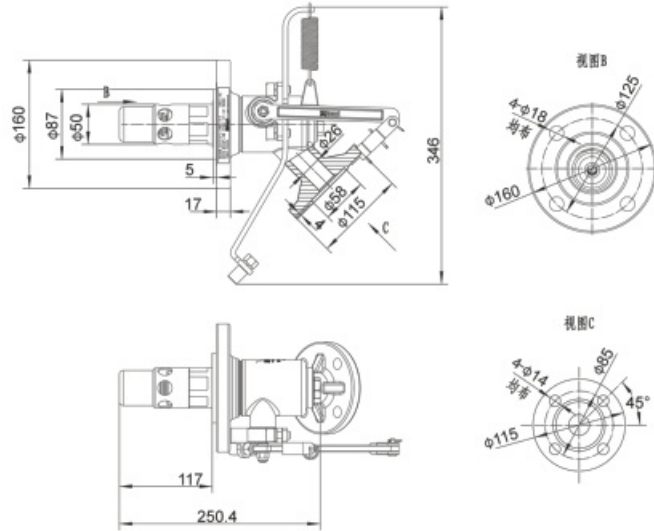
Design Temperature: - 40°C ~ + 120°C

Rated Displacement: 18m<sup>3</sup>/h

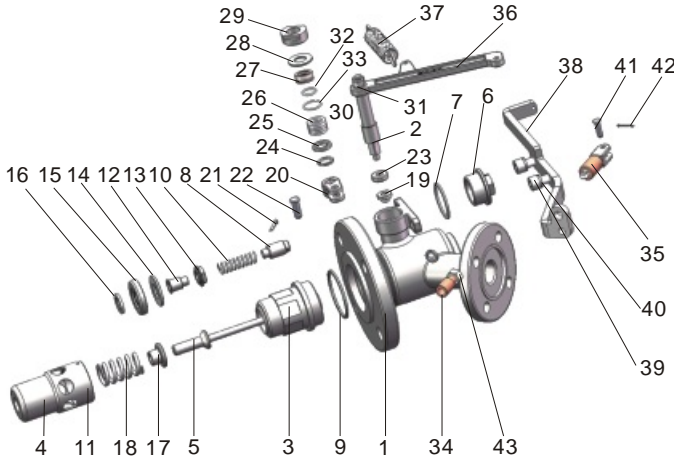
Contact Parts: CF8

Seal: PTFE

## Fitting Details



## Part Drawing



Item	Part No.	Description
30	85985410M8	Lock Nut
31	859810008	Washer
32	8559000013.5*1.8	O-Ring
33	8559000018*1.8	O-Ring
34	QGD42C5001-28	Wire Rope Guide Bush
35	QGD42C5001-37-00	Linkage Pivot Assembly
36	QGD42C5001-33	DN50 Handle
37	QGD42C5001-34	Tension Spring
38	QGD42C5001-35	Linkage Lever
39	85988100M10*20	Capscrew
40	8598110010	Spring Washer
41	859864006*20	Hinge Pin
42	859860001.6*16	Split Pin
43	85984400M10	Nut

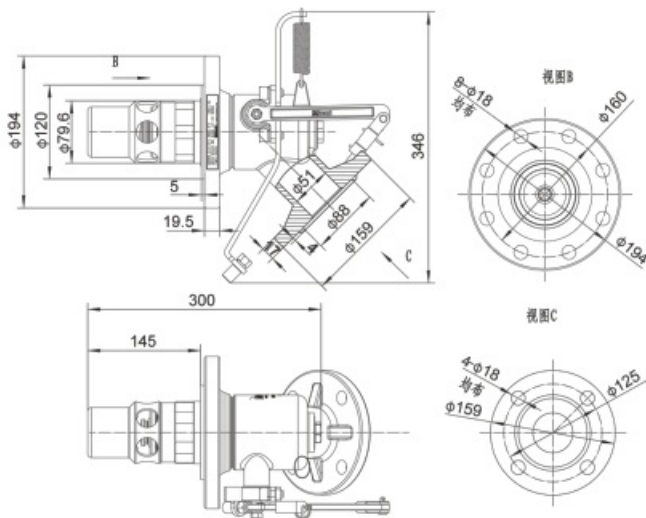
Item	Part No.	Description
1	QGD42C2501-01	Body
2	QGD42C2501-02	Spindle
3	QGD42C2501-03	Bonnet Adapters
4	QGD42C2501-04	Cap
5	QGD42C2501-05	Pilot Valve Stem
6	QGD42C5001-06	Plugs
7	QGD42C5001-07	Plug Gasket
8	QGD42C2501-06	Pilot Valve Adjustment Parts
9	QGD42C2501-07	Valve Body Gasket
10	QGD42C2501-08	Spring
11	85988000M4*3	Screws
12	QGD42C2501-09	Overflow Guide Bush
13	QGD42C2501-10	Main Sealing Fasteners
14	QGD42C2501-11	Main Seal
15	QGD42C2501-12	Closure Plate
16	QGD42C2501-13	Overcurrent Cut-Off Gasket
17	QGD42C2501-14	Spring Pad
18	QGD42C2501-15	Spring
19	QGD42C5001-19	Valve Stem Positioning Sleeve
20	QGD42C2501-16	Operating Cam
21	859860003.2*16	Split Pin
22	859864008*22	Hinge Pin
23	QGD42C2501-17	Cam Roller
24	QGD42C5001-22	Packing Small Gasket
25	QGD42C5001-23	Packing Metal Bottom Ring
26	QGD42C5001-24	Packing
27	QGD42C5001-26	Metal Packing Gland
28	8598670028	Belleville Washer
29	QGD42C5001-27	Packing Seal Cover





Emergency Cut-off Valve(Liquid) - liquid valve. Inlet flange  $8 \times \phi 18$ mm are all distributed on the  $\phi 160$  circles. Outlet flange  $4 \times \phi 18$ mm are all distributed on the  $\phi 125$  circles. The valve is provided with overflow cut-off function.

### Fitting Details



Part No.: QGD42C5001-00

Connection:

Inlet Flange  $8 \times \phi 18 \times \text{PCD}160$

Outlet Flange  $4 \times \phi 18 \times \text{PCD}125$

Nominal Diameter: 50mm

Nominal Pressure: 25Bar

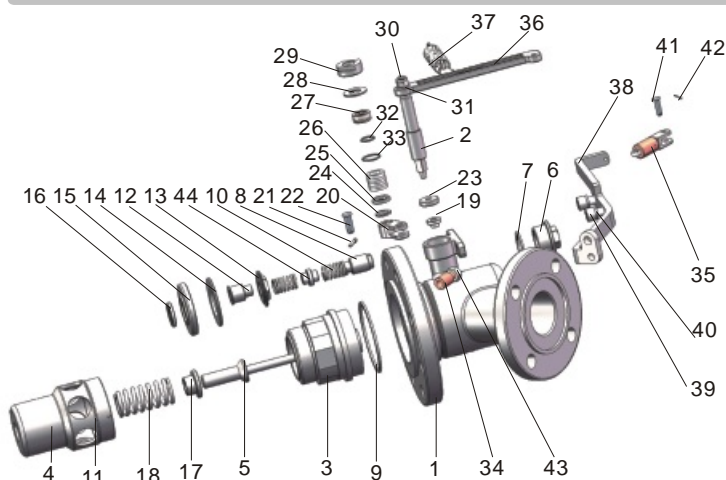
Design Temperature:  $-40^{\circ}\text{C} \sim +120^{\circ}\text{C}$

Rated Displacement:  $54\text{m}^3/\text{h}$

Contact Parts: CF8

Seal: PTFE

### Part Drawing



Item	Part No.	Description
31	859810008	Washer
32	8559000013.5*1.8	O-Ring
33	8559000018*1.8	O-Ring
34	QGD42C5001-28	Wire Rope Guide Bush
35	QGD42C5001-37-00	Linkage Pivot Assembly
36	QGD42C5001-33	Handle
37	QGD42C5001-34	Tension Spring
38	QGD42C5001-35	Linkage Lever
39	85988100M10*20	Capscrew
40	8598110010	Spring Washer
41	859864006*20	Hinge Pin
42	859860001.6*16	Split Pin
43	85984400M10	Nut
44	QGD42C5001-11	Small Spring Connection Sleeve

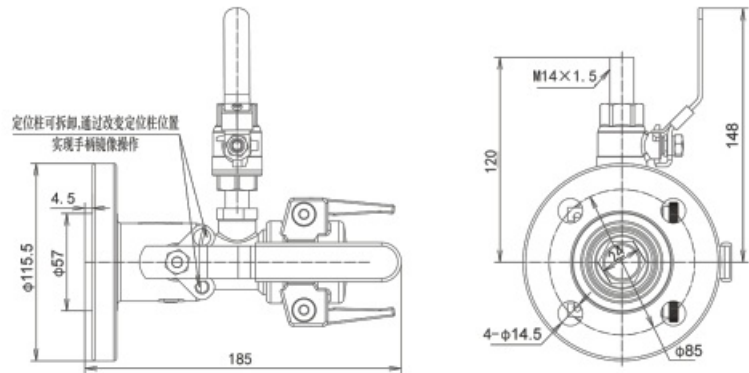
Item	Part No.	Description
1	QGD42C5001-01	Body
2	QGD42C5001-02	Spindle
3	QGD42C5001-03	Bonnet Adapters
4	QGD42C5001-04	Cap
5	QGD42C5001-05	Pilot Valve Stem
6	QGD42C5001-06	Plugs
7	QGD42C5001-07	Plug Gasket
8	QGD42C5001-08	Pilot Valve Adjustment Parts
9	QGD42C5001-09	Valve Body Gasket
10	QGD42C5001-10	Spring
11	85988000M4*3	Screws
12	QGD42C5001-12	Overflow Guide Bush
13	QGD42C5001-13	Main Sealing Fasteners
14	QGD42C5001-14	Main Seal
15	QGD42C5001-15	Closure Plate
16	QGD42C5001-16	Overcurrent Cut-Off Gasket
17	QGD42C5001-17	Spring Pad
18	QGD42C5001-18	Spring
19	QGD42C5001-19	Valve Stem Positioning Sleeve
20	QGD42C5001-20	Operating Cam
21	859860003.2*16	Split Pin
22	859864008*22	Hinge Pin
23	QGD42C5001-21	Cam Roller
24	QGD42C5001-22	Packing Small Gasket
25	QGD42C5001-23	Packing Metal Bottom Ring
26	QGD42C5001-24	Packing
27	QGD42C5001-26	Metal Packing Gland
28	8598670028	Belleville Washer
29	QGD42C5001-27	Packing Seal Cover
30	85985410M8	Lock Nut



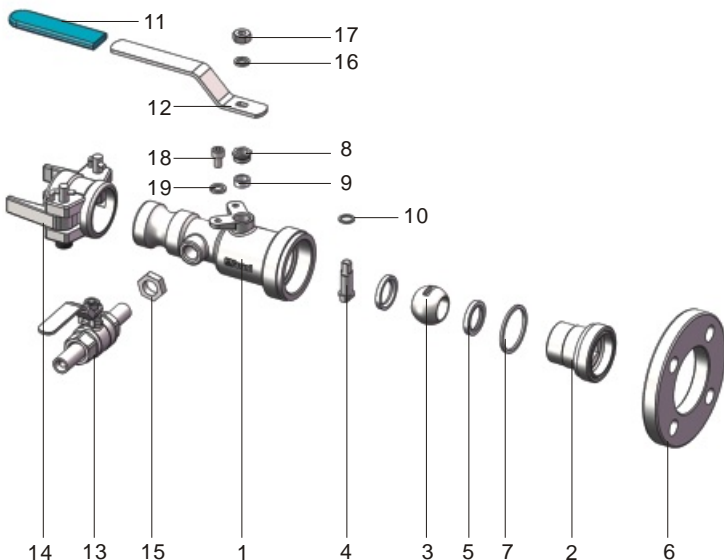
DN25 LPG Ball Valve, the Valve body and flange are threaded connection, The valve body is also equipped with a special small ball valve and DC quick coupling. Multi stage seal on spindle.

### Fitting Details

Part No.: QP5C2501-00  
 Connection: Inlet Flange  $4 \times \phi 14.5 \times \text{PCD85}$   
 Outlet Connection 1" DC  
 Nominal Diameter: DN25  
 Nominal Pressure: 25Bar  
 Design Temperature:  $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$   
 Contact Parts: CF8  
 Seal: PTFE



### Part Drawing



Item	Part No.	Description
1	QP5C2502-01	Body
2	QP5C2501-02	Plug
3	QP5C2501-03	Ball
4	QP5C2501-04	Spindle
5	QP5C2501-05	Ball Seal
6	QP5C2502-06	Flange
7	QP5C2501-07	Body Seal
8	QP5C2501-08	Gland
9	QP5C2501-09	Stuffing
10	QP5C2501-10	Gasket
11	QP5C2501-11	Handle cover
12	QP5C2502-12	Handle
13	QP5C5001-13-00	Welding Assembly
14	QP5C2501-14-00	DC Type Quick Coupling Assembly
15	85984600M14	Nut
16	859811008	Spring Washer
17	85984400M8	Nut
18	85988100M6*10	Capscrew
19	859811006	Spring Washer



DN50 LPG Ball Valve, the Valve body and flange are threaded connection, The valve body is also equipped with a special small ball valve and DC quick coupling. Multi stage seal on spindle.

### Fitting Details

Part No.: QP5C5001-00

Connection:

Inlet Flange 4 × φ 17.5 × PCD125

Outlet Connection 2" DC

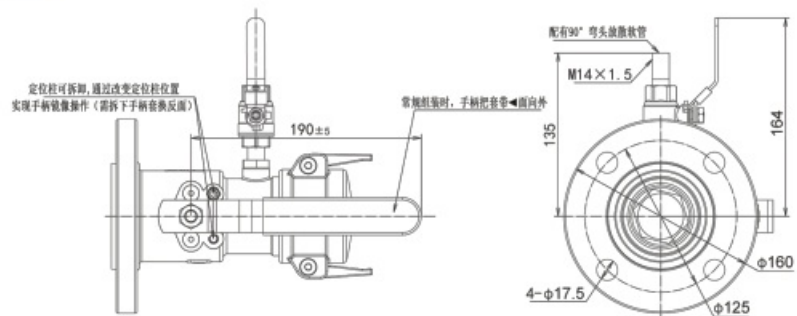
Nominal Diameter: DN50

Nominal Pressure: 25Bar

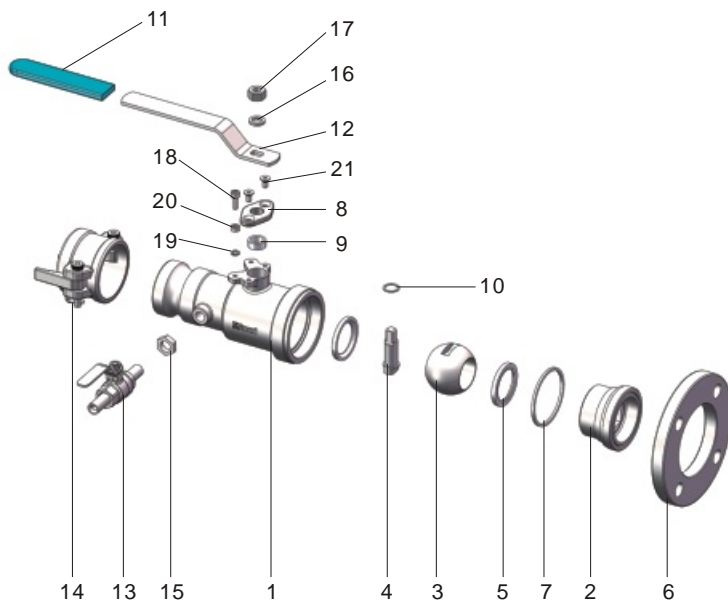
Design Temperature: - 40°C ~ 80°C

Contact Parts: CF8

Seal: PTFE



### Part Drawing

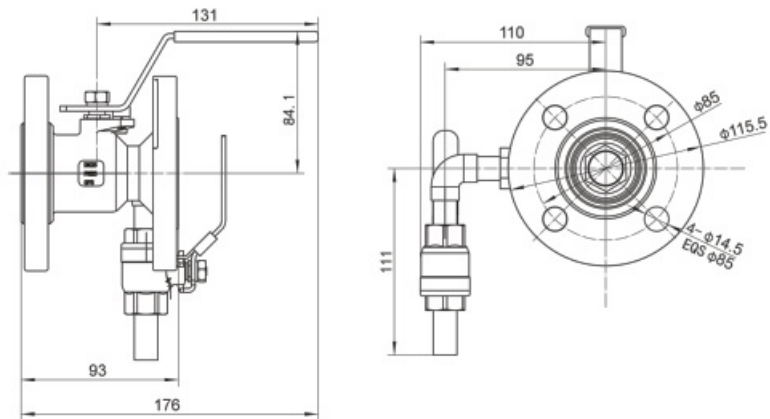


Item	Part No.	Description
1	QP5C5002-01	Body
2	QP5C5001-02	Plug
3	QP5C5001-03	Ball
4	QP5C5001-04	Ball
5	QP5C5001-05	Ball Seal
6	QP5C5002-06	Flange
7	QP5C5001-07	Body Seal
8	QP5C5002-02	Cover
9	QP5C5001-09	Stuffing
10	QP5C5001-10	Gasket
11	QP5C5001-11	Handle cover
12	QP5C5002-12	Handle
13	QP5C5001-13-00	Welding Assembly
14	QP5C5001-14-00	DC Type Quick Coupling Assembly
15	85984600M14	Nut
16	8598110012	Spring Washer
17	85984400M12	Nut
18	85988100M6*16	Capscrew
19	859811006	Spring Washer
20	85984400M6	Nut
21	85988800M6*20	Capscrew



DN25 Flanged LPG Ball Valve - Inlet flange is  $4 \times \phi 14$  on the PCD85mm flange, outlet flange is  $4 \times \phi 14$ , the main seal is made of PTFE sealing ring, the product can choose DN25, DN50 two specifications, the connection mode can choose RF surface or concave and convex surface.

### Fitting Details



Part No.: QP5C2503-00

Connection :

Inlet Flange:  $4 \times \phi 14 \times$  PCD85

Outlet Flange:  $4 \times \phi 14 \times$  PCD85

Nominal Diameter: 20mm

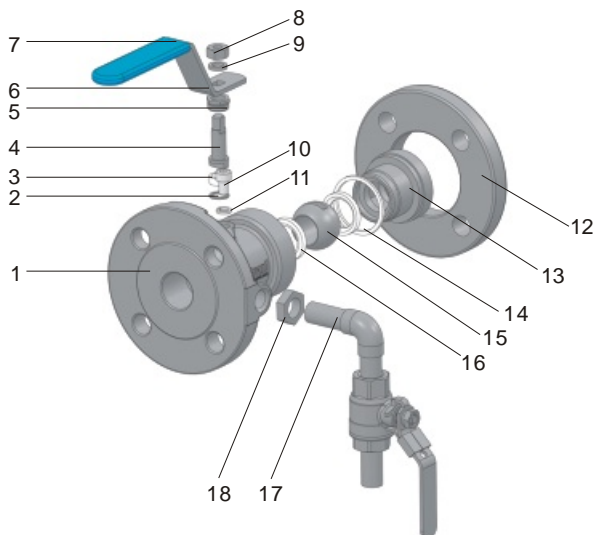
Nominal Pressure: 25Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

Contact Parts: 316

Seal: PTFE

### Part Drawing



Item	Part No.	Description
1	QP5C2503-01	Body
2	QP5C2501-10	Tablet
3	QP5C2501-09	Packing
4	QP5C2501-04	Spindle
5	QP5C2501-08	Gland
6	QP5C2503-02	Handle
7	QP5C2501-11	Handle Grip
8	85984400M8	Nut
9	859811008	Gasket
10	85988100M6*10	Bolt
11	859811006	Gasket
12	QP5C2501-06	Threaded Flange
13	QP5C2503-03	Plug
14	QP5C2501-07	Blockbuster
15	QP5C2501-03	Valve Ball
16	QP5C2501-05	Ball Seat
17	85984600M14	Nut
18	QP5C2503-04-00	Weld Assembly



DN50 Flanged LPG Ball Valve - Inlet flange is  $4 \times \phi 18$  on the PCD125mm flange, outlet flange is  $4 \times \phi 18$ , the main seal is made of PTFE sealing ring, the product can choose DN25, DN50 two specifications, the connection mode can choose RF surface or concave and convex surface.

### Fitting Details

Part No.: QP5C5003-00

Connection :

Inlet Flange:  $4 \times \phi 18 \times \text{PCD}125$

Outlet Flange:  $4 \times \phi 18 \times \text{PCD}125$

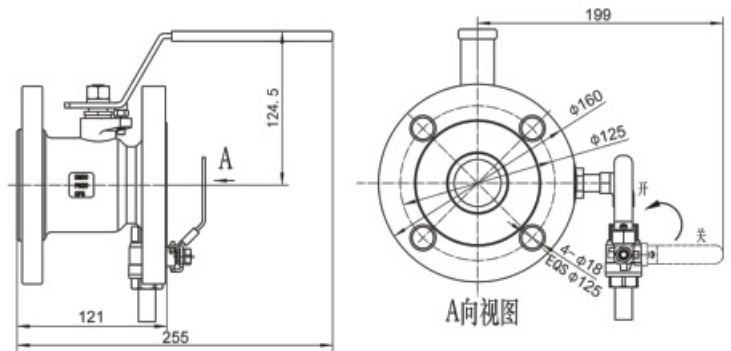
Nominal Diameter: 38mm

Nominal Pressure: PN25

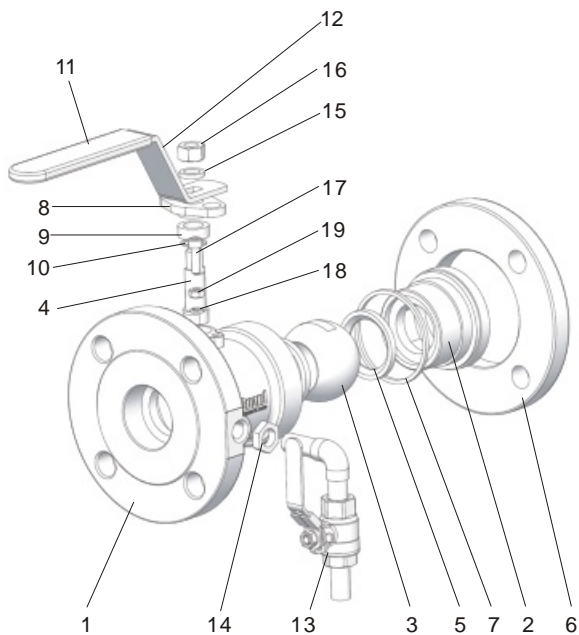
Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

Contact Parts: 316

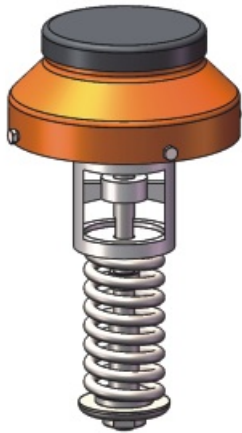
Seal: PTFE



### Part Drawing

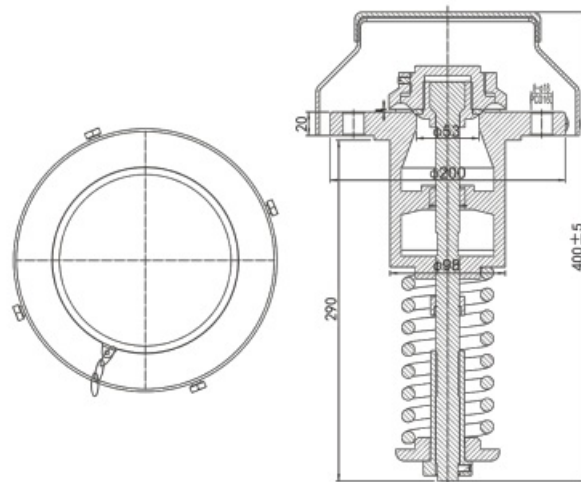


序号 Item	零件图号 Part No.	零件名称 Description
1	QP5C5003-01	Body
2	QP5C5001-02	Plug
3	QP5C5001-03	Valve Ball
4	QP5C5001-04	Spindle
5	QP5C5001-05	Ball Seat
6	QP5C5001-06	Threaded Flange
7	QP5C5001-07	Blockbuster
8	QP5C5001-08	Gland
9	QP5C5001-09	Packing
10	QP5C5001-10	Tablet
11	QP5C5001-11	Handle Grip
12	QP5C5003-02	Handle
13	QP5C5001-13-00	Weld Assembly
14	GB6173	Nut
15	GB/T93	Gasket
16	DIN934	Nut
17	GB/T 70.3	Bolt
18	GB/T93	Gasket
19	DIN934	Nut



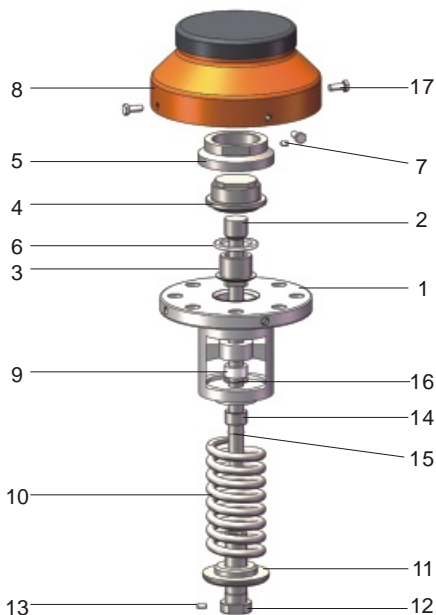
LPG Internal Relief Valve is designed for pressure ranges from 6.9 to 23.5 Bar. Contact parts are made of 304/316 stainless steel. Install Teflon seals as standard.

### Fitting Details



Part No. : AF8007400001  
 Connection: Flange 8 × φ 18 × PCD160  
 Nominal Diameter: DN80  
 Nominal Pressure: PN40  
 Design Temperature: - 55°C ~ 80°C  
 Contact Parts: 316/304  
 Seal: R-PTFE

### Part Drawing

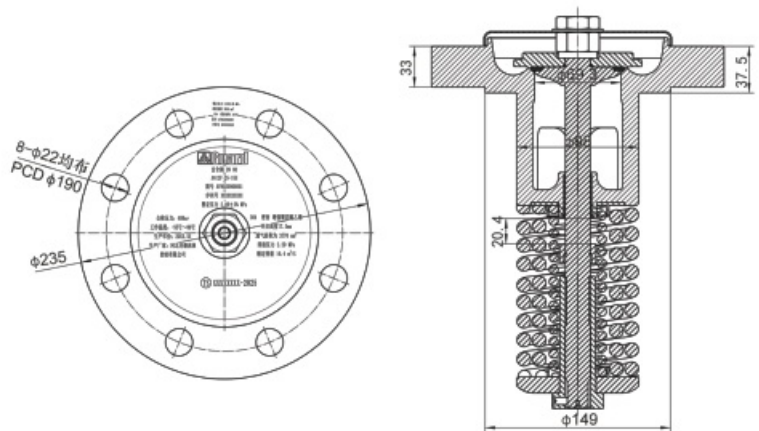


Item	Part No.	Description
1	AF8007400002-01	Body
2	AF8007400002-04	Spindle
3	AF8007400002-03	Solid Poppet
4	AF8007400002-02	Solid Poppet
5	AF8007400002-05	Recoil Shield
6	AF8007400002-09	Seal
7	85998000M6*10	Nut
8	AF8007400002-07	Cover Assembly
9	AF8007400002-08	Bush
10	XXXXXXXX	Spring Assembly
11	AF8007400002-06	Spring Pedestal
12	AF8034480001-17	Nut
13	85998000M6*12	M6x12 Nut
14	AF8034480001-12	Height Limit Tube
15	AF8034480001-13	Ring
16	8598150030	Jump Ring
17	85983300M8*25	M8x25 Bolts



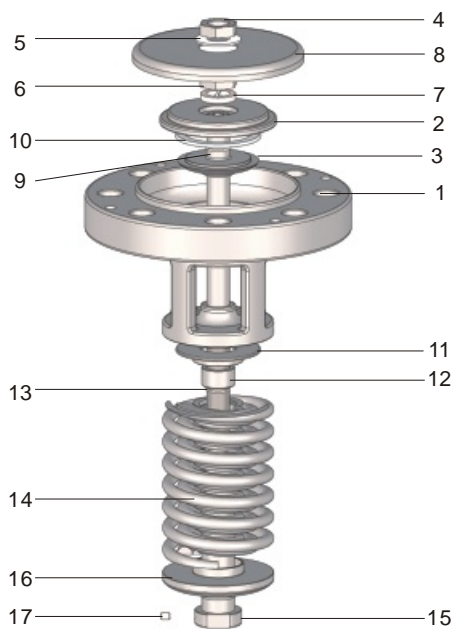
LPG Internal Relief Valve(Full Flange) is designed for pressure ranges from 6.9 to 23.5 Bar. Contact parts are made of 304/316 stainless steel. Install Teflon seals as standard.

### Fitting Details



Part No.: AF8020900001  
 Connection: Flange 8 × φ 22 × PCD190  
 Nominal Diameter: DN80  
 Nominal Pressure: PN40  
 Design Temperature: - 55°C ~ 80°C  
 Contact Parts: 316/304  
 Seal: R-PTFE

### Part Drawing

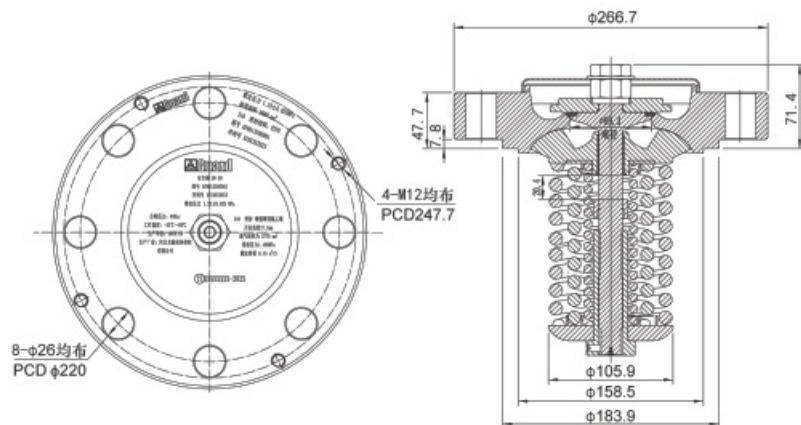


Item	Part No.	Description
1	AF8018500001-01-00	Body Assembly
2	AF8034480001-02	Packing Gland
3	AF8018500001-04	Solid Poppet
4	85984600M20	M20X1.5 Nut
5	AF8034480001-05	Gasket
6	AF8034480001-06	M20x1.5 Nut
7	8598130020	Gasket
8	AF8034480001-07	Cap
9	8559000019*1.8	φ 19* φ 1.8 O-ring
10	AF8034480001-08	Main Seal
11	AF8034480001-10	Spring Seat
12	AF8034480001-12	Height Limit Tube
13	AF8034480001-13	Ring
14	XXXXXXXXXX	Spring Assembly
15	AF8034480001-17	Nut
16	AF8020900001-02	Spring Pedestal
17	85998000M6*12	M6x12 Nut



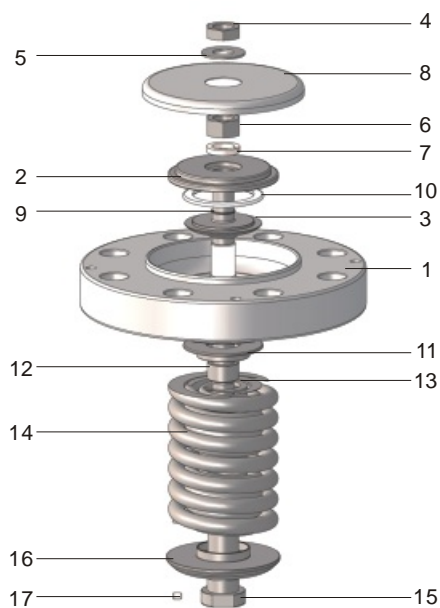
DN80 Internal Gas Relief Valve (Full Flange) is designed for pressure ranges from 100 to 525.5 PSI (6.90 to 36.24 Bar). Contact parts are made of 304/316 stainless steel. Install Teflon seals as standard.

### Fitting Details



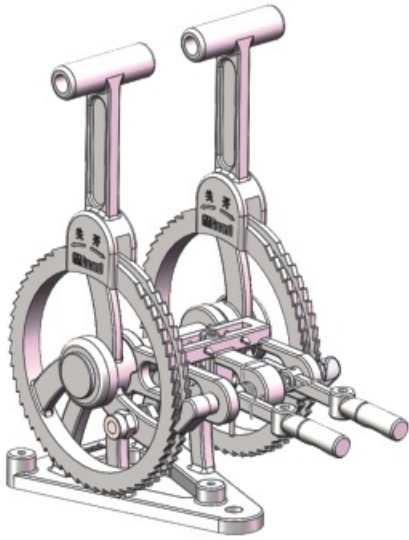
Part No.: AF8013300001  
 Connection: Flange 8 × φ26 × PCD220  
 Nominal Diameter: DN80  
 Nominal Pressure: PN40  
 Design Temperature: -55°C ~ 80°C  
 Contact Parts: 304/316  
 Seal: Enhanced PTFE

### Part Drawing



Item	Part No.	Description
1	AF8013300001-01-00	Body Assembly
2	AF8034480001-02	Packing Gland
3	AF8034480001-03	Solid Poppet
4	85984600M20	M20x1.5 Nut
5	AF8034480001-05	Gasket
6	AF8034480001-06	M20x1.5 Nut
7	8598130020	Gasket
8	AF8034480001-07	Cap
9	8559000019*1.8	Φ 19* Φ 1.8 O-ring
10	AF8034480001-08	Main Seal
11	AF8008600001-04	Spring Seat
12	AF8034480001-12	高Height Limit Tube
13	AF8034480001-13	Ring
14	XXXXXXXXXX	Spring Assembly
15	AF8034480001-17	Nut
16	AF8008600001-03	Spring Pedestal
17	85998000M6*12	M6x12 Nut

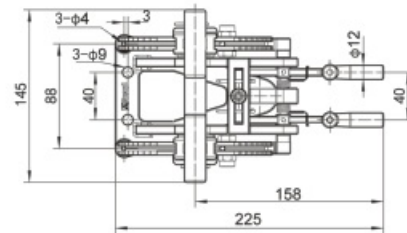
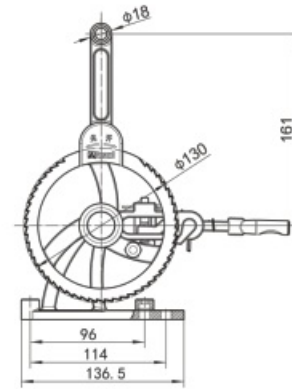




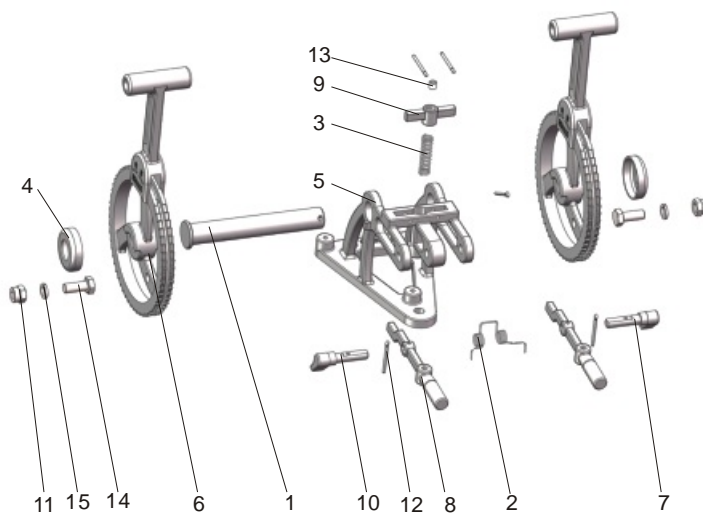
LPG Remote Control Device (Double-ratchet Structure) is a device for remote control of liquid and gas valves in LPG liquid tank. This product can realize remote control of two valves and emergency cut-off function at the same time. In addition, three-ratchet LPG remote control specification device can be selected.

Part No.: YK070001-01-00  
 Connection: 3 × M8 Bolted connection  
 Material: CF8

### Fitting Details



### Part Drawing



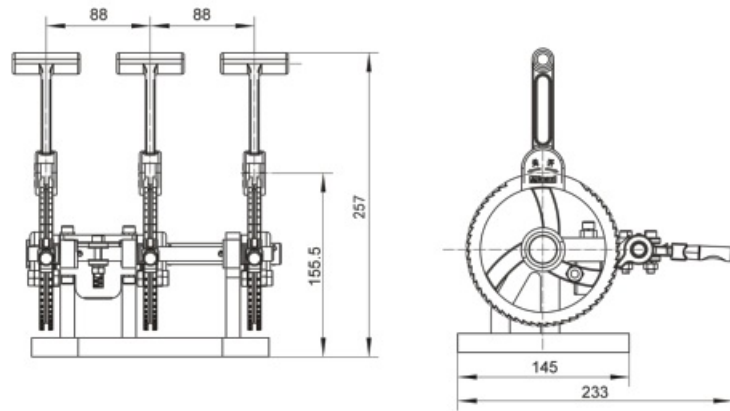
Item	Part No.	Description
1	YK070001-01-06	Bottom Bracket
2	YK070001-01-07	Double Torsion Spring
3	YK070001-01-08	Spring
4	YK070001-01-09	Stuffing Clamp
5	YK070001-01-01	Pedestal
6	YK070001-01-02	Ratchet
7	YK070001-01-03	棘Pawl-1
8	YK070001-01-04	Handle
9	YK070001-01-05	Limited Block
10	YK070001-01-12	Pawl-2
11	85985500M8	Cap Screw
12	859860002.5*25	Split Pin
13	YK070001-01-11	Sealing
14	YK070001-01-10	Drilling Bolts
15	8596811008	Spring Washer



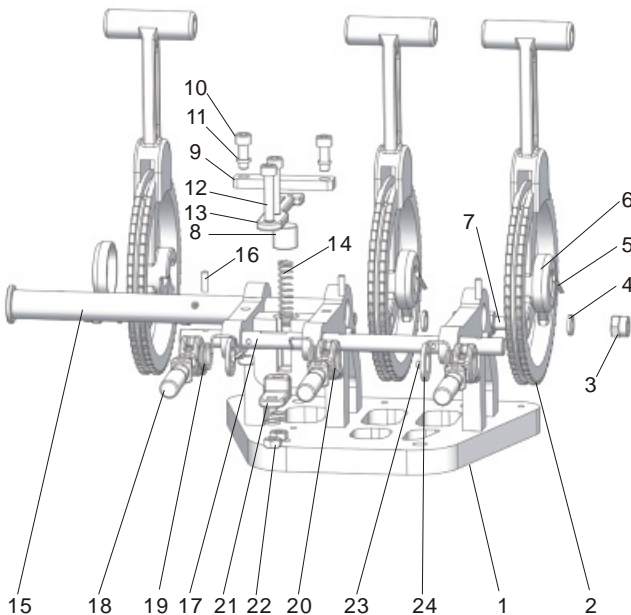
Part No.: YK070002-01-00  
Contact Parts: 304

LPG Remote Control Device (Three Ratchet) is used for remote control of liquid and gas valves in LPG/LNG liquid tank. This product can realize remote control of three valves and emergency cut-off function at the same time. In addition, double ratchet LPG remote control device can be selected.

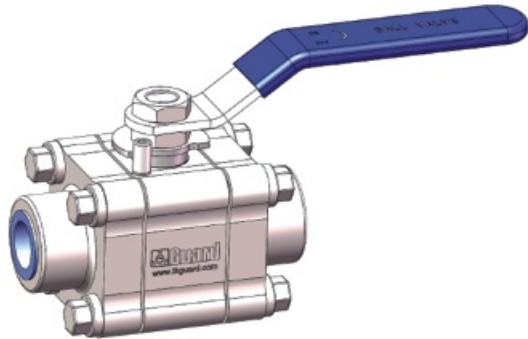
Fitting Details



## Part Drawing



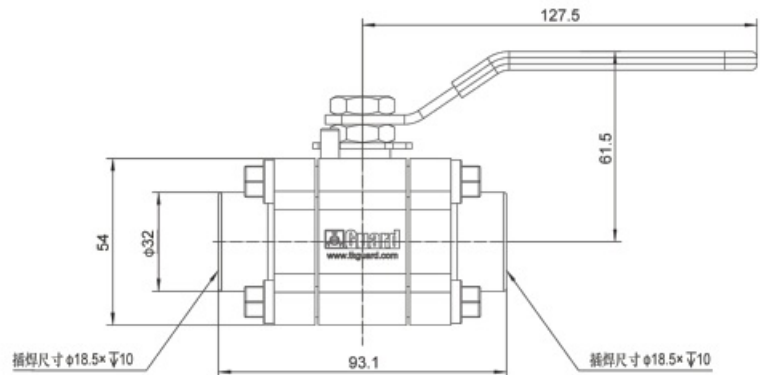
Item	Part No.	Description
1	YK070002-01-01-00	Pedestal Assembly
2	YK070001-01-02	Ratchet
3	85985500M8	Nut
4	8599110008	Spring Washer
5	859860002.5*25	Split Pin
6	YK070001-01-09	Stuffing Clamp
7	YK070001-01-10	Drilling Bolts
8	YK070002-01-06	Spring Block
9	YK070002-01-05	Locating Plate
10	85988100M6*16	内六角圆柱头螺栓 Bolts
11	8599110006	Spring Washer
12	85988100M6*30	Bolts
13	YK070002-01-03	Limited Block1
14	YK070002-01-09	Pressure Spring
15	YK070002-01-07	Ratchet Bottom Bracket
16	GB/T77-2007	Bolt
17	YK070002-01-08	Handle Linkage Shaft
18	YK070002-01-02	Handle
19	YK070002-01-10	TorsionalSpring 1
20	YK070002-01-11	TorsionalSpring 2
21	YK070002-01-04	Limited Block2
22	85984400M6	Nut
23	859860002.5*18	Split Pin
24	859860002.5*18	Plain Washer



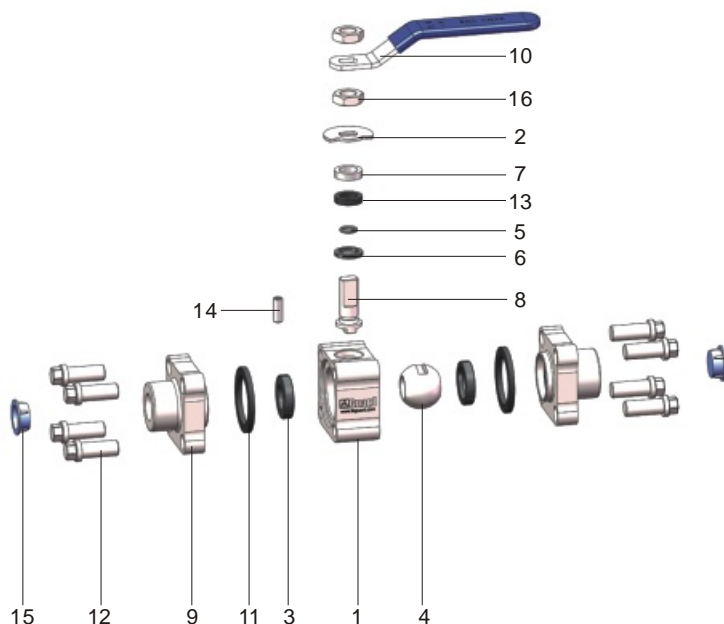
DN15 Carbon Dioxide Ball Valve inlet and outlet are socket welding joint form, socket welding joint inner hole are  $\phi 58$ , the main seal is made of PTFE carbon filled material, and fireproof, similar products can be selected for DN15、

### Fitting Details

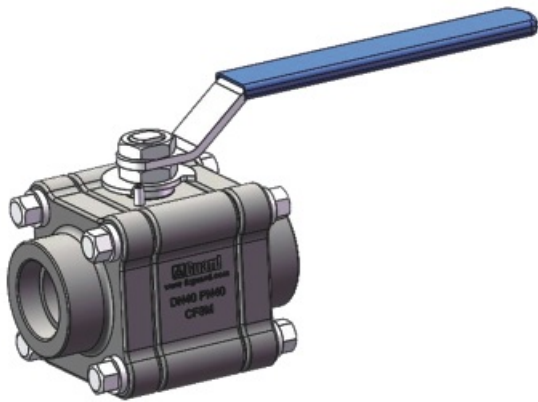
Part No.: QTCD1501-00  
 Connection: butt welding size  $\phi 18.5$ , depth 10  
 Nominal Diameter: 15mm  
 MAWP: 16Bar  
 Design Temperature:  $-40^{\circ}\text{C} \sim +190^{\circ}\text{C}$   
 Contact Parts: CF8M  
 Seal: PTFE+20%碳



### Part Drawing

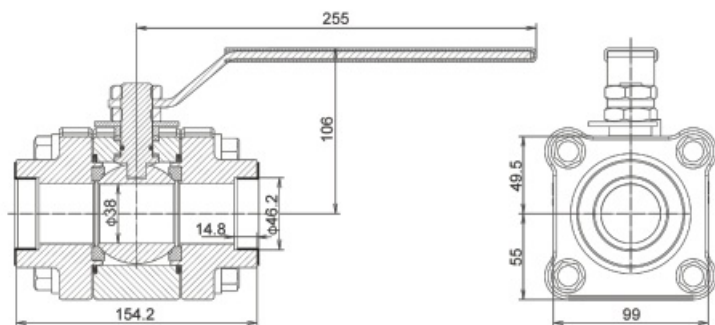


Item	Part No.	Description
1	QTCD1501-01	Body
2	QTCD1501-02	Locating Plate
3	QTCD1501-03	Main Seal
4	QTCD1501-04	Ball
5	QTCD1501-05	O-ring
6	QTCD1501-06	PTFE Packing Ring
7	QTCD1501-07	Junk Ring
8	QTCD1501-10	Spindle
9	QTCD1501-11	Plug
10	QTCD1501-12	Handle
11	QTCD1501-13	Gasket
12	QTCD1501-14	Flange Bolt
13	QTCD1501-08	Graphite Packing
14	QTCD1501-09	Registration Mast
15	QTCD1501-15	Blanking Cap
16	85984200M12	Nut



DN40 Carbon Dioxide Ball Valve, the connection between the valve and the outside is plug-in welding, the main seal is made of enhanced PTFE material with increasing temperature and resistance, the winding gasket is used between the valve body and main seal, and the bottom bracket is multi-stage sealed.

### Fitting Details



Part No.: QTCD4001-00

Connection: 两侧为插焊连接

Nominal Diameter: 40mm

Nominal Pressure: 1440PSI

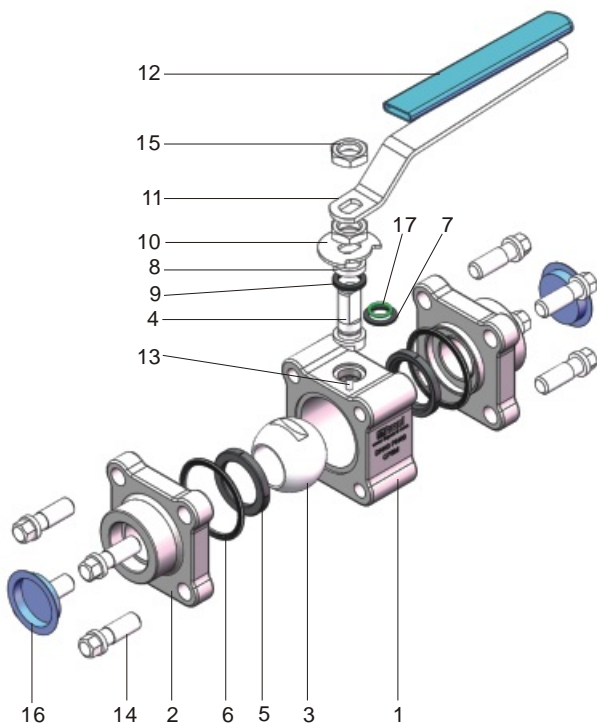
Design Temperature:

1000PSIG AT 120° F/100PSIG AT 375° F

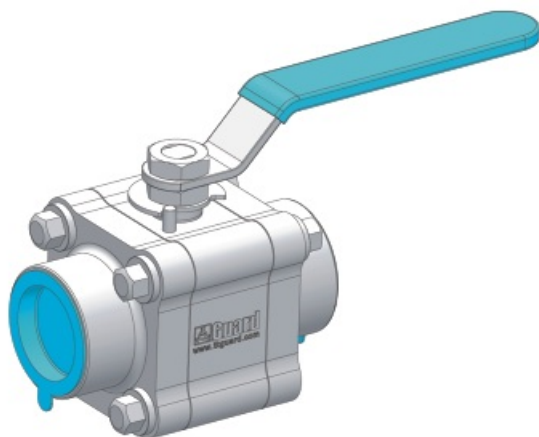
Contact Parts: CF8M/316

Seal: PTFE、graphite

### Part Drawing



Item	Part No.	Description
1	QTCD4001-01	Body
2	QTCD4001-02	Cap
3	QTCD4001-03	Ball
4	QTCD4001-04	Spindle
5	QTCD4001-05	Main Seal
6	QTCD4001-06	Winding Gasket
7	QTCD4001-07	Bottom Bearing
8	QTCD4001-08	Junk Ring
9	QTCD4001-09	Graphite Gasket
10	QTCD4001-10	Locating Piece
11	QTCD4001-11	Handle
12	QTCD4001-12	Grip
13	QTCD4001-13	Bolt
14	QTCD4001-14	Screw
15	85984600M20	Nut
16	QTCD4001-15	Weld Sheath
17	8532000015*2.65	O-ring



DN50 Carbon Dioxide Ball Valve inlet and outlet are socket welding joint form, socket welding joint inner hole are  $\phi 58$ , the main seal is made of PTFE carbon filled material, and fireproof, similar products can be selected for DN15、DN40、DN50、DN65.

### Fitting Details

Part No. : QTCD5001-00

Connection :

承插焊入口:  $\phi 58$ 深16

承插焊出口:  $\phi 58$ 深16

Nominal Diameter: 50mm

Nominal Pressure: 40Bar

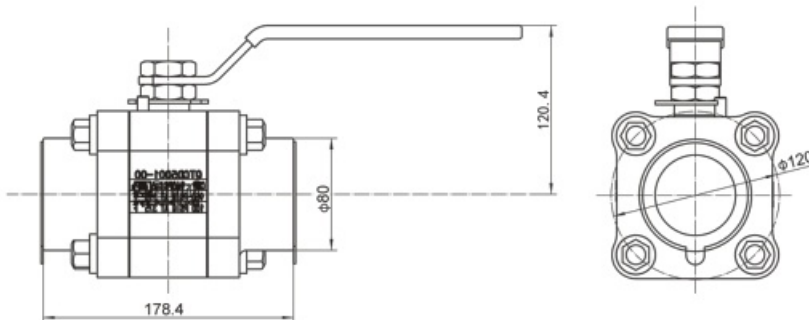
Applicable Temperature:

960PSIG AT 120° F

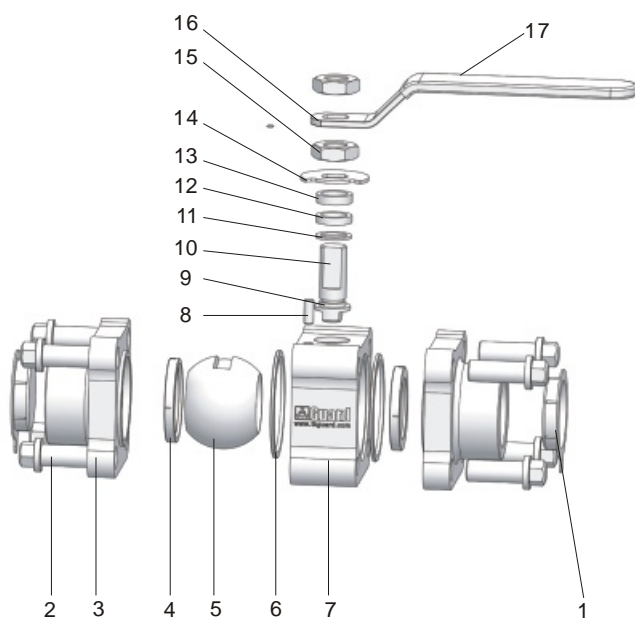
100PSIG AT 375° F

Contact Parts: CF8M

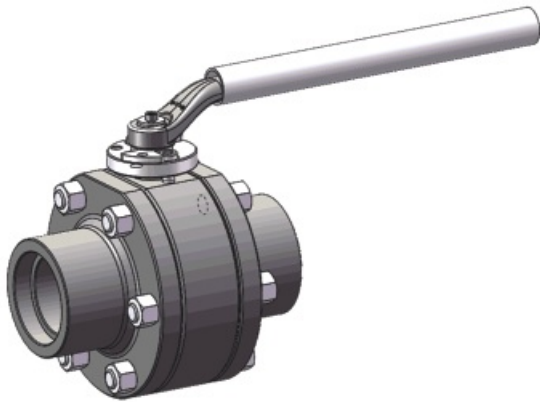
Seal: PTFE、VITON



### Part Drawing

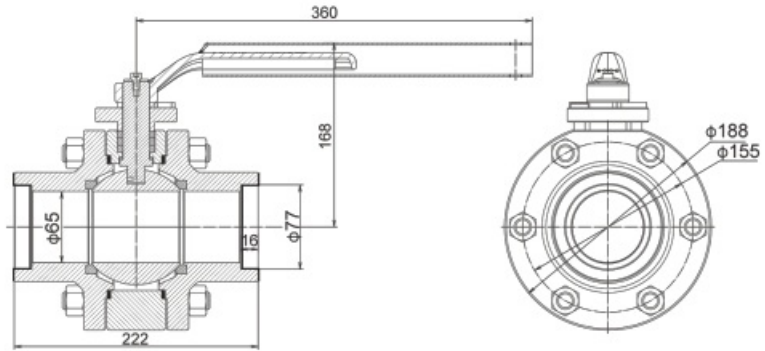


Item	Part No.	Description
1	QTCD5001-14	Plug Cap
2	QTCD5001-13	Bolt
3	QTCD5001-04	Bonnet
4	QTCD5001-05	Main Seal
5	QTCD5001-02	Ball
6	QTCD5001-06	Gasket
7	QTCD5001-01	Body
8	QTCD5001-15	Location Pin
9	8532000014*2.65	O-ring
10	QTCD5001-03	Spindle
11	QTCD5001-07	Seal
12	QTCD5001-08	Washer
13	QTCD5001-09	Locating Ring
14	QTCD5001-10	Locating Plate
15	85984600M22	Nut
16	QTCD5001-11	Handle
17	QTCD5001-12	Handle cover



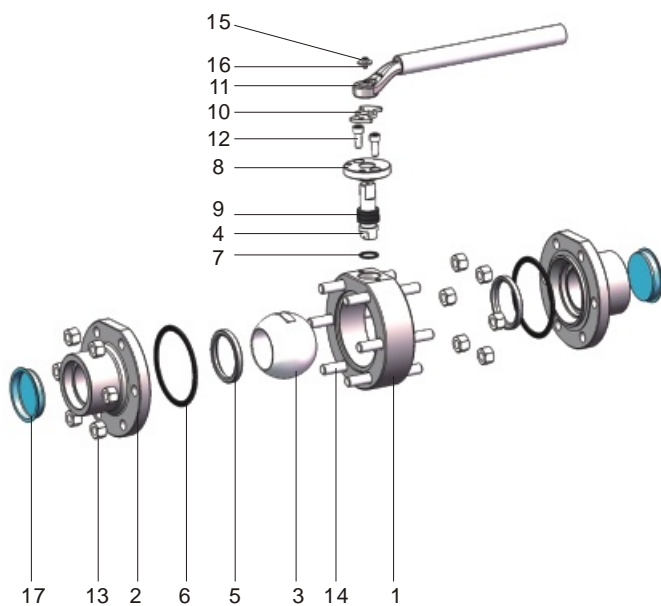
DN65 Carbon Dioxide Ball Valve, the connection between the valve and the outside is plug-in welding, the main seal is made of enhanced PTFE material with increasing temperature and resistance, the winding gasket is used between the valve body and main seal, and the bottom bracket is multi-stage sealed.

### Fitting Details



Part No.: QTCD6501-00  
 Connection: 两侧为插焊连接  
 Nominal Diameter: 65mm  
 Nominal Pressure: 960PSI  
 Design Temperature:  
 960PSIG AT 120° F/100PSIG AT 375° F  
 Contact Parts: 316  
 Seal: PTFE、graphite

### Part Drawing

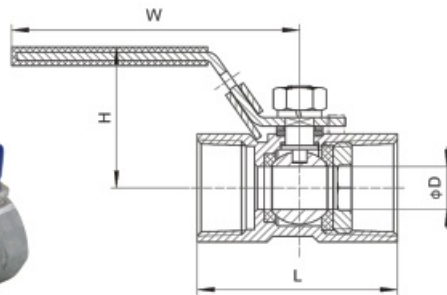


序号 Item	零件图号 Part No.	零件名称 Description
1	QTCD6501-01	Body
2	QTCD6501-02	Cap
3	QTCD6501-03	Ball
4	QTCD6501-04	Spindle
5	QTCD6501-05	Main Seal
6	QTCD6501-06	Winding Gasket
7	QTCD6501-07	Bottom Bearing
8	QTCD6501-08	Packing Cover
9	QTCD6501-09	Graphite Gasket
10	QTCD6501-10	Locating Piece
11	QTCD6501-11-00	Handle
12	85988100M10*25	Stop Bolt
13	85985010M16	Nut
14	85987000M16*60	M16×60 Screw
15	859821006	Washer
16	85988100M6*10	M6×10 Stop Bolt
17	QTCD6501-12	Weld Sheath

## 1PC Ball Valve



Fitting Details



Features:

- \* Reduced Full Bore
- \* Precision Casting
- \* Blow-out Proof Stem
- \* Lockable Handle (Option)
- \* PED97/23/EC(CE0035) Approved
- \* Casting approved AD2000-WO
- \* Inspection and Testing: API598, EN12266

Size

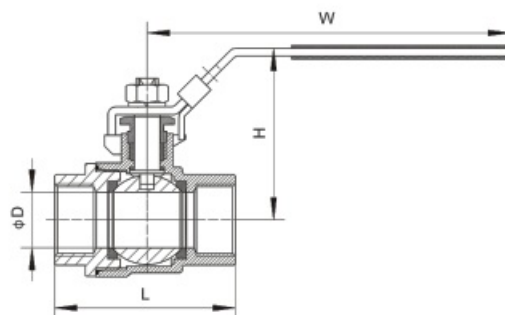
Nominal Pressure: 6Bar  
 Contact Parts: 316  
 seal: PTFE  
 Design Temperature: -40°C ~ 190°C

Size Item	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
D	5	7	9.2	12.5	15	20	25	32	38	50
L	33	35	40	44	50	57	64	68	85	90
W	71	93	95	95	113	113	141	141	189	189
H	39	44	55	59	69	77	81	97	127	153

## 2PC Ball Valve



Fitting Details



Features:

- \* Full Bore
- \* Precision Casting
- \* Blow-out Proof Stem
- \* Lockable Handle (Option)
- \* PED97/23/EC(CE0035) Approved
- \* Casting approved AD2000-WO
- \* Inspection and Testing: API598, EN12266

Size

Nominal Pressure: 6Bar  
 Contact Parts: 316L  
 seal: PTFE  
 Design Temperature: -40°C ~ 190°C

Size Item	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
D	12.5	15	20	25	32	38	50
L	51.5	63.5	74	86	98	106	122
W	104	104	126	144	144	189	189
H	51	53	65	77	81.5	94.5	102

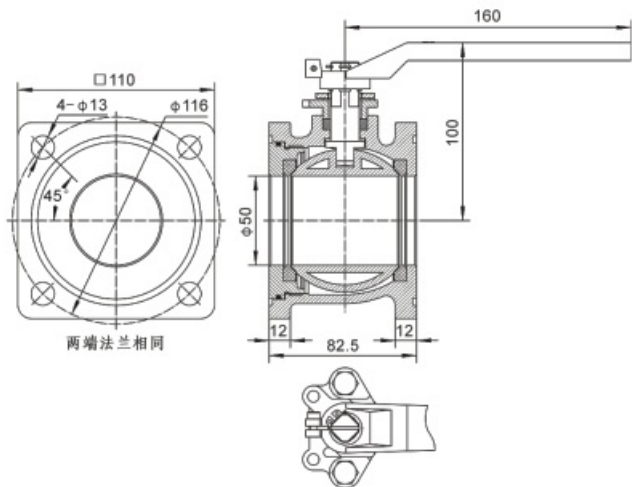


Please contact our Sales team for your requirements if not listed above.

## 2" Flanged Ball Valve



Fitting Details



Part No. : QLFA5001-00

Connection:

Flange  $4 \times \phi 13 \times \text{PCD}116$

Nominal Diameter: 50mm

Nominal Pressure: 16Bar

Design Temperature:  $-40^\circ\text{C} \sim 190^\circ\text{C}$

Contact Parts: 304

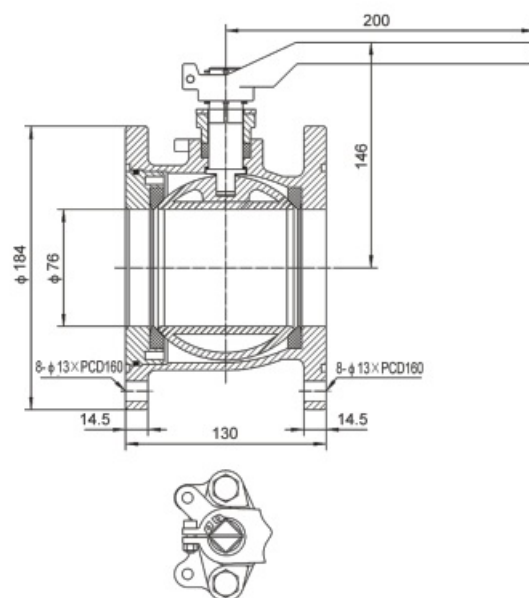
Seal: PTFE、Viton

Weight: 3.4kg

## 3" Flanged Ball Valve



Fitting Details



Part No. : QLFA8002-00

Connection: Inlet flange  $8 \times \phi 13 \times \text{PCD}160$

Outlet flange  $8 \times \phi 13 \times \text{PCD}160$

Nominal Diameter: 76mm

Nominal Pressure: 16Bar

Design Temperature:  $-40^\circ\text{C} \sim 190^\circ\text{C}$

Contact Parts: 304

Seal: PTFE、Viton

Weight: 11.4kg

Associated Production: Square Flanged Ball Valve

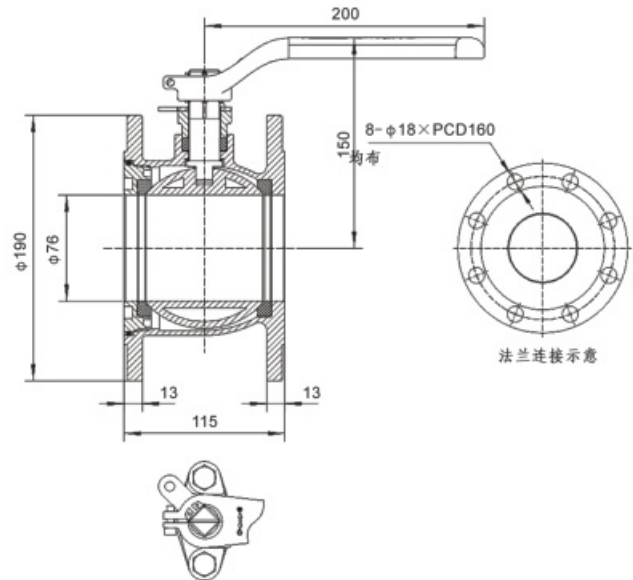


## 3" Light Flanged Ball Valve GB



Part No. : QLFA8006-00  
 Connection : Inlet Flange  $8 \times \phi 18 \times \text{PCD}160$   
 Outlet Flange  $8 \times \phi 18 \times \text{PCD}160$   
 Nominal Diameter: 76mm  
 Nominal Pressure: 16Bar  
 Contact Parts: 304  
 Seal: PTFE、Viton  
 Design Temperature:  $-40^{\circ}\text{C} \sim 190^{\circ}\text{C}$   
 Weight: 7.55kg

Fitting Details

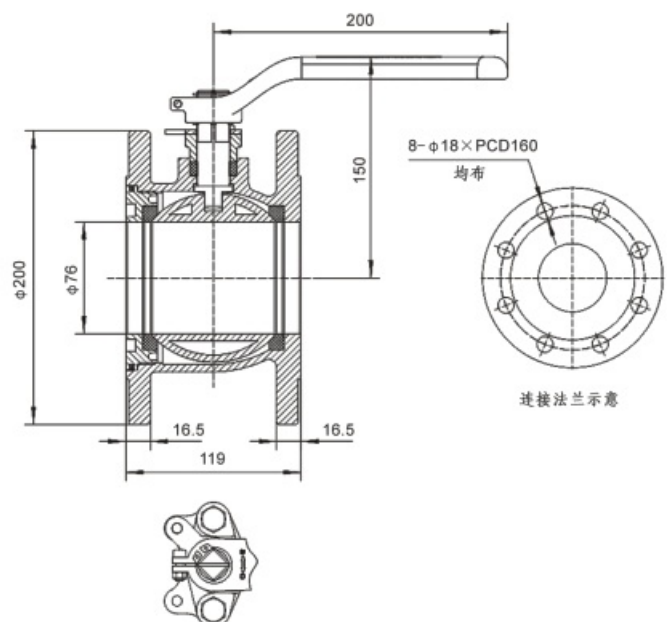


## 3" Flanged Ball Valve GB



Part No. : QLFA8005-00  
 Connection: Inlet Flange  $8 \times \phi 18 \times \text{PCD}160$   
 Outlet Flange  $8 \times \phi 18 \times \text{PCD}160$   
 Nominal Diameter: 76mm  
 Nominal Pressure: 16Bar  
 Contact Parts: 304  
 Seal: PTFE、Viton  
 Design Temperature:  $-40^{\circ}\text{C} \sim 190^{\circ}\text{C}$   
 Weight: 10.8kg

Fitting Details

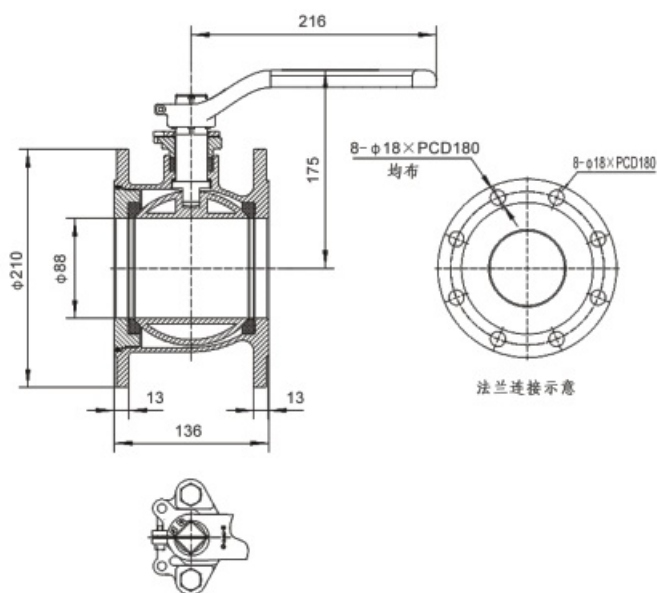


## 4" Light Flanged Ball Valve GB



Part No. : QLFA4C04-00  
 Connection: Inlet Flange  $8 \times \phi 18 \times \text{PCD}180$   
                   Outlet Flange  $8 \times \phi 18 \times \text{PCD}180$   
 Nominal Diameter: 88mm  
 Nominal Pressure: 16Bar  
 Contact Parts: 304  
 Seal: PTFE、Viton  
 Design Temperature:  $-40^{\circ}\text{C} \sim 190^{\circ}\text{C}$   
 Weight: 10.95kg

Fitting Details

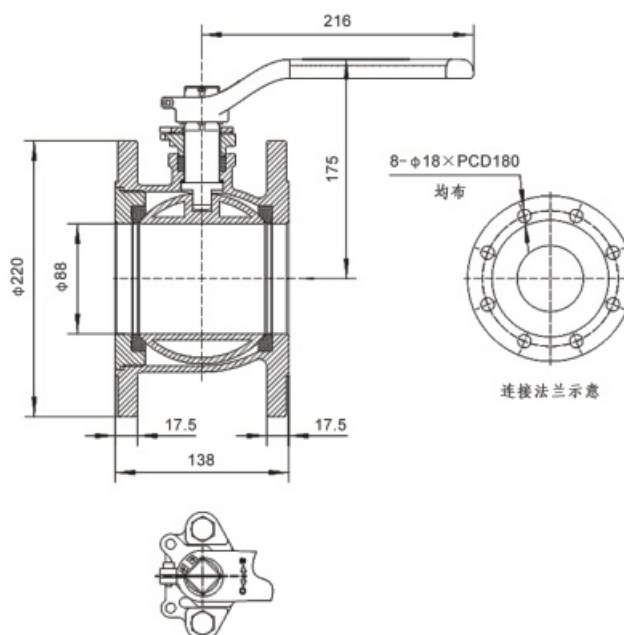


## 4" Flanged Ball Valve GB



Part No. : QLFA4C03-00  
 Connection: Inlet Flange  $8 \times \phi 18 \times \text{PCD}180$   
                   Outlet Flange  $8 \times \phi 18 \times \text{PCD}180$   
 Nominal Diameter: 88mm  
 Nominal Pressure: 16Bar  
 Contact Parts: 304  
 Seal: PTFE、Viton  
 Design Temperature:  $-40^{\circ}\text{C} \sim 190^{\circ}\text{C}$   
 Weight: 14kg

Fitting Details

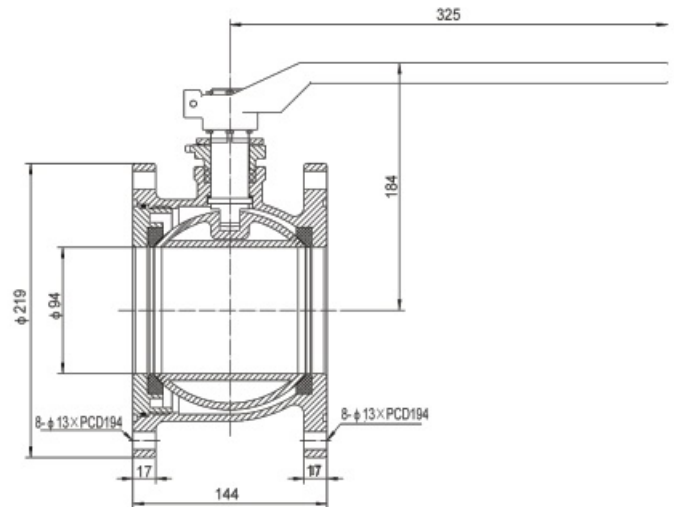


## 4" Flanged Ball Valve



Part No. : QLFA4C01-00  
 Connection: Inlet Flange  $8 \times \phi 13 \times \text{PCD}194$   
 Outlet Flange  $8 \times \phi 13 \times \text{PCD}194$   
 Nominal Diameter: 94mm  
 Nominal Pressure: 16Bar  
 Contact Parts: 304  
 Seal: PTFE、Viton  
 Design Temperature:  $-40^{\circ}\text{C} \sim 190^{\circ}\text{C}$   
 Weight: 14.26kg

### Fitting Details



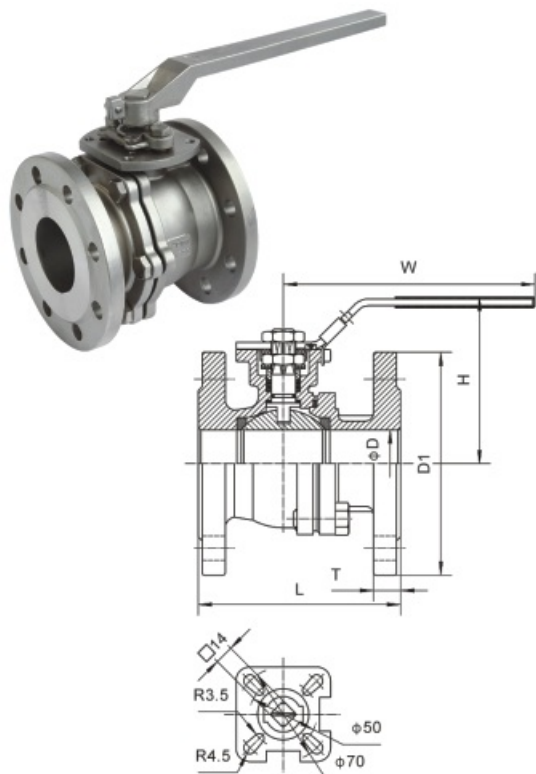
Associated Production: Square Flanged Ball Valve

## Gaskets



Size: 2" ~4" DN50~DN100  
 Nominal Pressure : 1.6MPa  
 Material: Viton  
 Design Temperature:  $-40^{\circ}\text{C} \sim 190^{\circ}\text{C}$   
 Medium: Gas, Liquid, Oil  
 Range: Food, Medicine, Chemical, Transportation

## 2PC Flanged Ball Valve ANSI CLASS

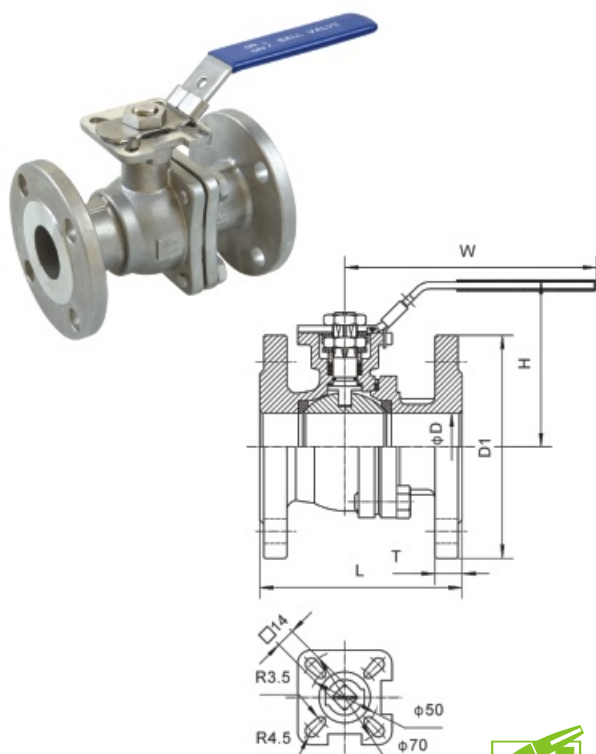


Nominal Pressure: 16Bar  
 Design Temperature: -40°C ~ 190°C  
 Contact Parts: 304  
 Seal: PTFE、Viton

### Size

Item Size	D	H	W	L	D1	T	法兰孔 Drilling
1/2"	15	80	140	108	89	9.7	4× φ16×PCD60.5
3/4"	20	85	140	117	98.6	10.5	4× φ16×PCD70
1"	25	95	160	127	108	11.2	4× φ16×PCD79.2
1 1/4"	32	108	160	140	117	12.7	4× φ16×PCD88.9
1 1/2"	40	114	185	165	125	14.7	4× φ16×PCD98.4
2"	50	124	185	178	150	16.3	4× φ19×PCD120.7
2 1/2"	65	148	230	190	180	17.9	4× φ19×PCD139.7
3"	80	158	230	203	190	19.5	4× φ19×PCD152.4
4"	100	191	230	229	230	24.3	8× φ19×PCD190.5
5"	125	242	500	356	254	24	8× φ22.4×PCD216
6"	150	270	800	394	279.4	25.4	8× φ22.4×PCD241.3

## 2PC Flanged Ball Valve GB



Nominal Pressure: 16Bar  
 Design Temperature: -40°C ~ 190°C  
 Contact Parts: 304  
 Seal: PTFE、Viton

### Size

Item Size	D	L	H	D1	T	法兰孔 Drilling
1/2"	15	130	80	95	16	4× φ14×PCD65
3/4"	20	130	85	105	18	4× φ14×PCD75
1"	25	140	90	115	18	4× φ14×PCD85
1 1/4"	32	165	95	140	18	4× φ18×PCD100
1 1/2"	40	165	130	150	18	4× φ18×PCD110
2"	50	203	140	165	18	4× φ18×PCD125
2 1/2"	65	222	180	185	18	8× φ18×PCD145
3"	80	241	190	200	20	8× φ18×PCD160
4"	100	305	235	220	20	8× φ18×PCD180
5"	125	356	260	250	22	8× φ18×PCD210
6"	150	394	280	285	22	8× φ22×PCD240
8"	200	457	335	340	24	8× φ22×PCD295

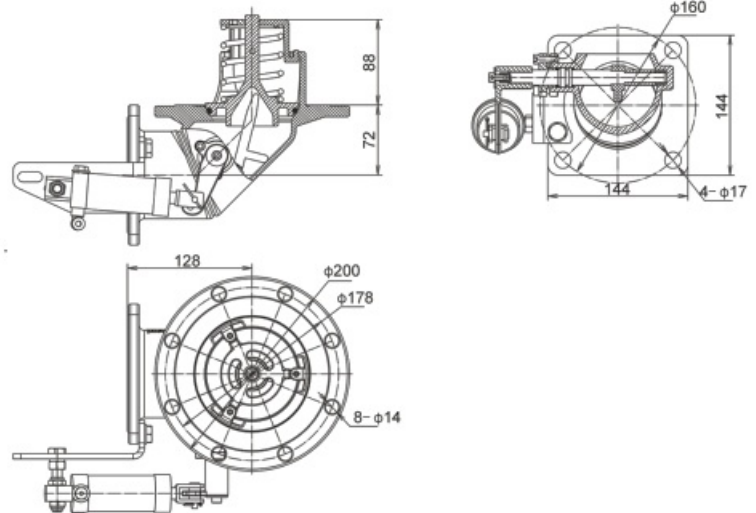


Please contact our Sales team for your requirements if not listed above.



3" 90° Foot Valve - The inlet flange is  $8 \times \phi 14$  on the flange surface of PCD 178mm. The outlet flange is  $4 \times \phi 17$  on the flange surface of PCD 160mm. The products can also be equipped with emergency cutting and high temperature melting device, the main seal adopts Viton material sealing ring.

### Fitting Details



Part No.: JZ968001-00

Connection:

Inlet Flange  $8 \times \phi 14 \times \text{PCD}178$

Outlet Flange  $4 \times \phi 17 \times \text{PCD}160$

Nominal Diameter: 80mm

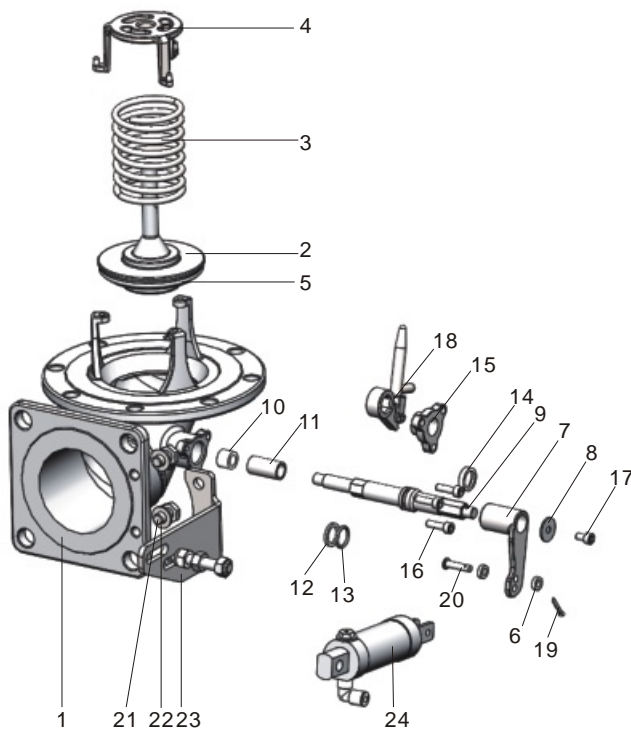
Nominal Pressure: 6Bar

Design Temperature:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

Contact Parts: CF8

Seal: PTFE、VITON

### Part Drawing



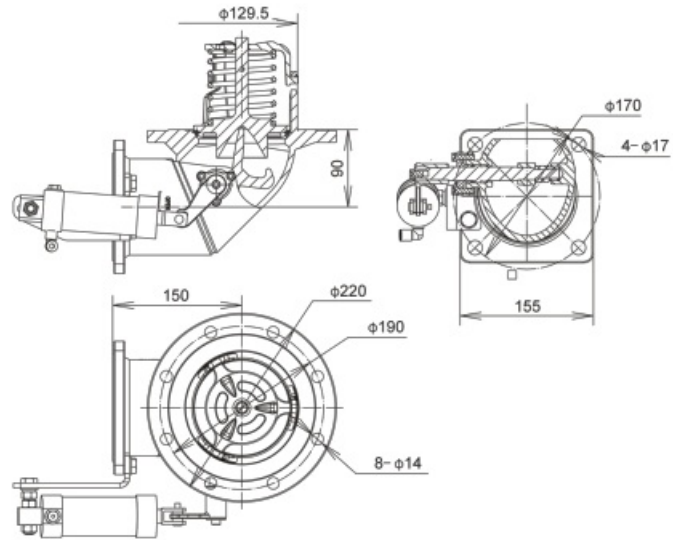
Item	Part No.	Description
1	JZ968001-01	Body
2	JS468001-02	Solid Poppet
3	JS468001-03	Spring
4	JS468002-04	Spring Top Plate
5	JS468001-05	Encapsulated O-Ring
6	JZ964C01-06	Washer
7	JZ964C01-07	Connections
8	859821006	Washer
9	JZ964C01-10	Spindle
10	JS468001-14	Bearing
11	JS468001-13	Location Tube
12	JS468001-11	Spindle Packing
13	JS468001-10	O-Ring
14	JS468001-09	Spindle Packing
15	JS368001-08	Stuffing Clamp
16	85988100M6*20	Capscrew
17	85988100M6*10	Capscrew
18	JS468001-06-00	Crank Block Assembly
19	859860002*14	Split Pin
20	859864006*26	Hinge Pin
21	85983300M10*18	Bolt
22	8598100010	Washer
23	JZ968001-03-00	Support Bracket Assembly
24	JZ968001-04-00	Cylinder Assembly

# 4" 90° Foot Valve



4" 90° Foot Valve - The inlet flange is 8 × φ 14 on the flange surface of PCD 190mm. The outlet flange is 4 × φ 17 on the flange surface of PCD 170mm. The products can also be equipped with emergency cutting and high temperature melting device, the main seal adopts Viton material sealing ring.

### Fitting Details



Part No.: JZ964C01-00

Connection:

Inlet Flange 8 × φ 14 × PCD190

Outlet Flange 4 × φ 17 × PCD170

Nominal Diameter: 88mm

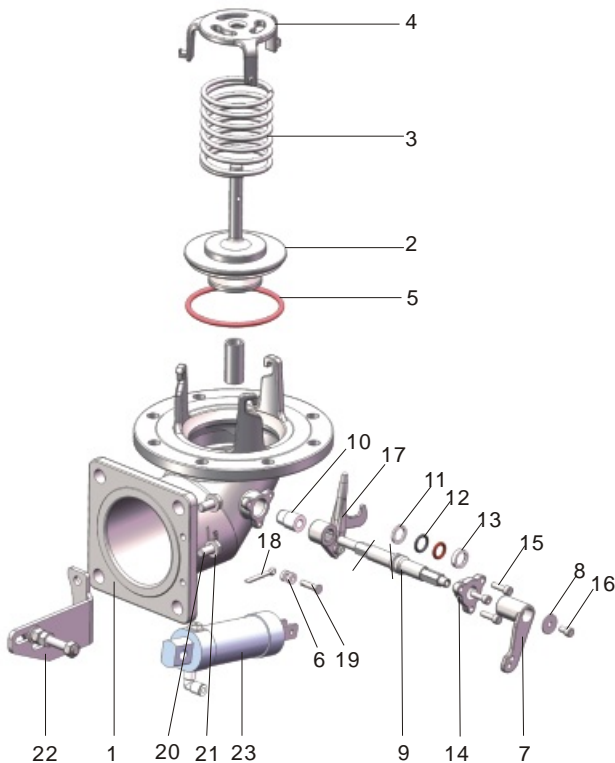
Nominal Pressure: 6Bar

Design Temperature: - 40°C ~ + 200°C

Contact Parts: CF8

Seal: PTFE、VITON

### Part Drawing



Item	Part No.	Description
1	JZ964C04-01	Body
2	JZ964C01-02	Solid Poppet
3	JZ964C01-03	Spring
4	JZ964C04-02	Spring Top Plate
5	JZ964C01-05	Encapsulated O-Ring
6	JZ964C01-06	Washer
7	JZ964C01-07	Connections
8	859821006	Washer
9	JZ964C04-03	Spindle
10	JS464C01-05	Bearing
11	JS468001-11	Spindle Packing
12	JS468001-10	O-Ring
13	JS468001-09	Spindle Packing
14	JS368001-08	Stuffing Clamp
15	85988100M6*20	Capscrew
16	85988100M6*10	Capscrew
17	JS464C01-06-00	Crank Block Assembly
18	859860002*14	Split Pin
19	859860002*14	Hinge Pin
20	85983300M10*18	Bolt
21	8598100010	Washer
22	JZ964C01-17-00	Support Bracket Assembly
23	JZ964C01-18-00	Cylinder Assembly

It is installed on the bottom of road tankers and is used for discharging. It's easy to operate and it's safe.

## 90° Foot Valve

Nominal Diameter: 80mm,100mm  
 Nominal Pressure: 6Bar  
 Design Temperature: -40°C ~ 190°C  
 Contact Parts: 304, 316  
 Seal: PTFE、FEP/SILICON



### Range

Part No.	Description
JS968001-00	3" 90° Manual Operating Foot Valve
JZ968001-00	3" 90° Pneumatic Operating Foot Valve
JS964C01-00	4" 90° Manual Operating Foot Valve
JZ964C01-00	4" 90° Pneumatic Operating Foot Valve

## Emergency Cut-off Control System



### ● SP3

Using 24V power supply, the tanker is equipped with a pressure control unit BSA-SPC, the emergency shut-off valve is installed with the speed measuring unit, the LED prompt when valve close.



### ● SP1

Emergency cut-off switch alarm BSA-A installed in the cab, LED flashes when emergency shut-off valve is open. Buzzer alarm prompt when the vehicle speed reaches 5km/h.

### ● SP4

Emergency cut-off switch alarm BSA-A4 and speed measuring unit installed in the cab, LED flashes when emergency shut-off valve is open. When the vehicle is started, Buzzer alarm prompt and close the valve.



### ● SP2

Emergency cut-off switch alarm BSA-A installed in the cab, LED flashes when emergency shut-off valve is open. Buzzer alarm prompt after the vehicle speed reaches 5km/h, the sensor BSA-PC turns off the emergency shut-off valve.



Optional: Sp1, Sp2, Sp3, Sp4



#### Pressure control unit BSA-SP

1. Emergency cut-off switch alarm.
2. Auto closing valve.

#### Pressure control unit BSA-SPC

1. Emergency cut-off switch alarm.
2. Auto closing valve.
3. Speed measuring unit.
4. LED light.



#### Emergency cut-off switch alarm BSA-A1

1. LED light with buzzer
2. Auto closing valve.
3. System fault self-test.
4. Speed collection.



#### Emergency cut-off switch alarm BSA-A

1. LED light with buzzer
2. Auto closing valve.
3. System fault self-test.
4. Speed collection.



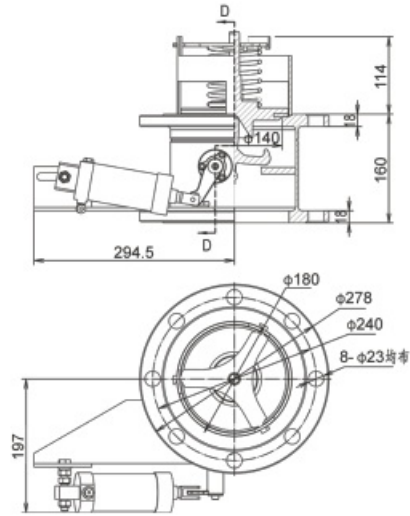
#### Intelligent valve

1. Valve operation monitoring.
2. Warehouse monitoring.
3. Bus control.
4. Explosion-proof certification.



6" 180° Foot Valve - The inlet flange is 8 × φ 23 on the flange surface of PCD 240mm. The outlet flange is 8 × φ 23 on the flange surface of PCD 240mm. The main seal adopts Viton material sealing ring.

### Fitting Details



Part No.: JZ166C01-00

Connection:

Inlet Flange 8 × φ 23 × PCD240

Outlet Flange 8 × φ 23 × PCD240

Nominal Diameter: 140mm

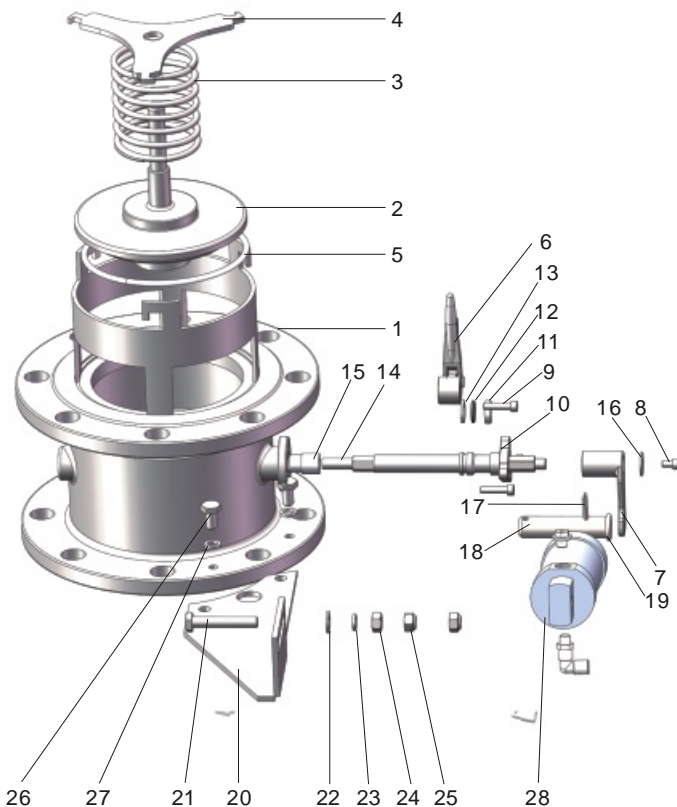
Nominal Pressure: 6Bar

Design Temperature: - 20°C ~ + 150°C

Contact Parts: CF8

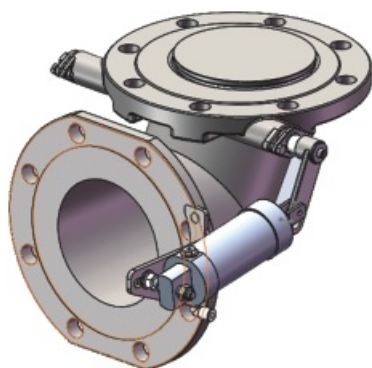
Seal: PTFE、VITON

### Part Drawing



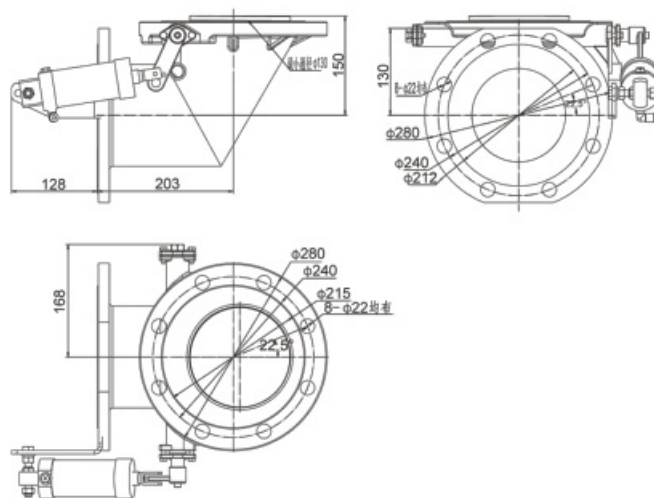
Item	Part No.	Description
1	JZ166C01-01-00	Body Assembly
2	JZ166C01-02	Solid Poppet
3	JZ964C01-03	Spring
4	JZ166C01-04-00	Spring Top Plate
5	85360020140*5.33	Encapsulated O-Ring
6	JS365C01-05-00	Crank Block Assembly
7	JZ964C01-07	Connections
8	85988100M6*10	Capscrew
9	85988100M6*20	Capscrew
10	JS368001-08	Stuffing Clamp
11	JS468001-09	Spindle Packing
12	JS468001-10	O-Ring
13	JS468001-11	Spindle Packing
14	JZ166C01-08	Spindle
15	JS464C01-05	PTFE Crankshaft end Bush
16	859821006	Washer
17	859860002*14	Split Pin
18	859864006*26	Hinge Pin
19	JZ964C01-06	Washer
20	JZ166C01-05	Support Frame
21	85983300M10*60	Bolt
22	8598100010	Washer
23	8598110010	Spring Washer
24	85984400M10	Nut
25	85985400M10	Lock Nut
26	85983300M10*25	Bolt
27	8598110010	Spring Washer
28	JZ166C01-09-00	Cylinder Assembly





6" 90° Quick Flow Foot Valve-The inlet flange is 8 × φ 22 on the flange surface of PCD 240mm. The outlet flange is 8 × φ 22 on the flange surface of PCD 240mm. The products can also be equipped with emergency cutting and high temperature melting device, the main seal adopts Vltion material sealing ring.

### Fitting Details



Part No.: JZ966C01-00

Connection:

Inlet Flange 8 × φ 22 × PCD240

Outlet Flange 8 × φ 22 × PCD240

Nominal Diameter: 130mm

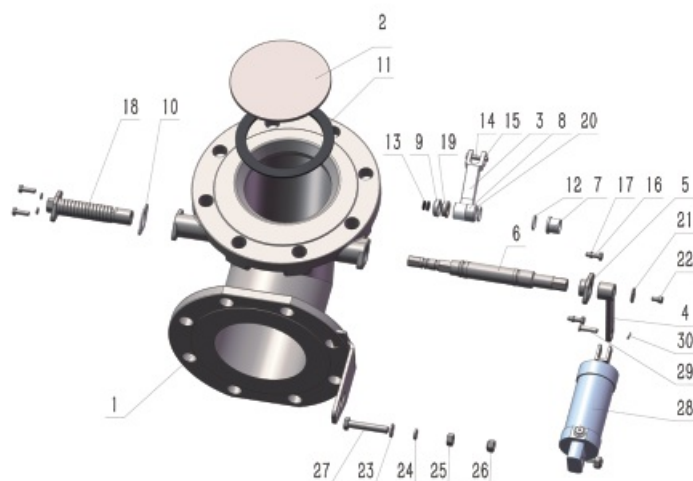
Nominal Pressure: 2.5Bar

Design Temperature: - 20°C ~ + 150°C

Contact Parts: CF8

Seal: PTFE、VITON

### Part Drawing

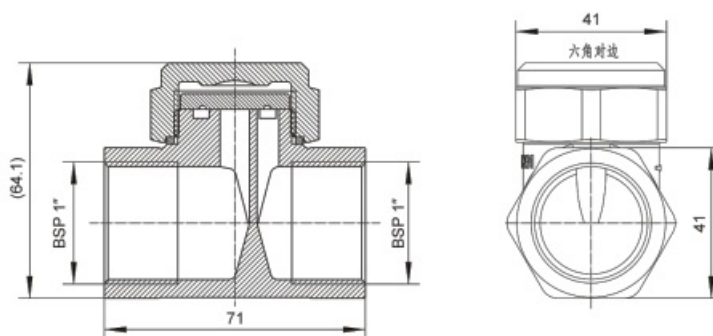


Item	Part No.	Description
1	JX966C010100	Body
2	JX966C01-02	Solid Poppet
3	JX966C01-04	Crank
4	JX468001-04	Connecting Link
5	JX468001-11	Stuffing Clamp
6	JX966C01-03	Stem
7	JX468001-13	Bearing
8	JX468001-14	Bearing
9	JX468001-15	Washer
10	JX468001-19	Seal
11	JX966C01-06	Main Seal
12	000020*2.65	O-Ring
13	000011.2*2.65	O-Ring
14	64006*30	Hinge Pin
15	LS2125-01	Hinge Pin
16	3300M6*20	Bolt
17	11006	Spring Washer
18	JX4680012600	Torsional Spring
19	JX468001-30	Bushing
20	002020*2.6	Encapsulated O-Ring
21	21006	Washer
22	8100M6*10	Capscrew
23	100010	Washer
24	110010	Spring Washer
25	4400M10	Nut
26	4500M10	Nut
27	3300M10*70	Bolt
28	JZ166C010900	Cylinder
29	64006*26	Hinge Pin
30	60002*14	Split Pin



DN25 Steam Trap, threaded connection, red copper sealing ring, maximum working temperature is 180 °C.

### Fitting Details



Part No.: SS2516201

Connection: Inlet : 1"BSP internal thread

Outlet : 1"BSP internal thread

Nominal Diameter: DN25

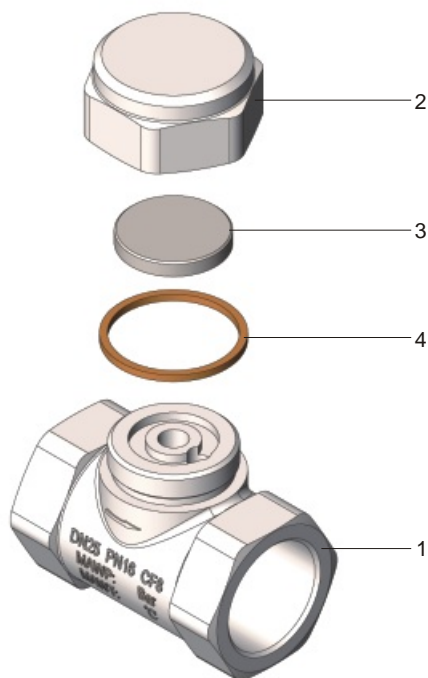
Nominal Pressure: 16Bar

Design Temperature: ≤180°C

Contact Parts: CF8

Seal: Brass

### Part Drawing



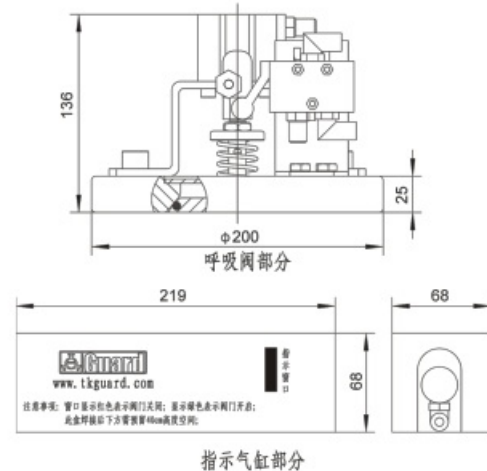
Item	Part No.	Description
1	SS2516201-01	Body
2	SS2516201-02	Cap
3	SS2516201-03	Disc
4	SS2516201-04	Brass Washer

Remote Control Breather Valve - welded flange connection, pneumatic remote control, O-ring material is food grade silastic. Pneumatic opening strength, can prevent blockage caused by crystalline adhesion of the product.

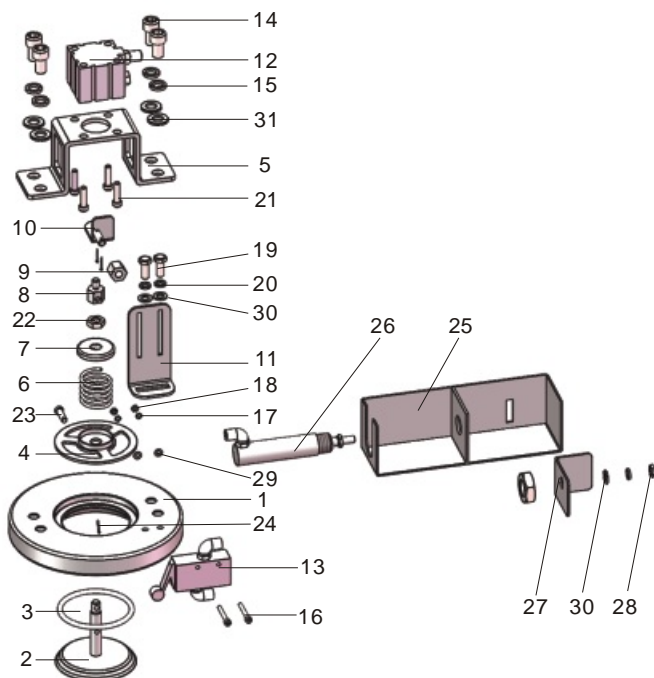


Part No.: 18800001-00  
 Nominal Diameter: DN80  
 Design Temperature: - 20°C ~ 150°C  
 Contact Parts: 304  
 Seal: 食品级硅橡胶

### Fitting Details



### Part Drawing



Item	Part No.	Description
1	18800001-01	Weld-in Flange
2	18800001-02-00	Closure Plate Assembly
3	85A4000073*5.33	O-Ring
4	18800001-04-00	Vacuum Spring Assembly
5	18800001-05	Cylinder Mount
6	18800001-06	Vacuum Spring
7	18800001-07	Negative Pressure Spring Upper Mount
8	18800001-08	Main Cylinder Joint
9	18800001-09	Open Rollers
10	18800001-10-00	Open Roller Mount
11	18800001-11	Ventilation Valve Fixed Seat
12	18800001-12-00	Main Cylinder Assembly
13	18800001-13-00	Directional Valve Assembly
14	85988100M12*20	Capscrew
15	8598110012	Spring Washer
16	85988100M4*35	Capscrew
17	859811004	Spring Washer
18	85984400M4	Nut
19	85983300M8*16	Bolt
20	859811008	Spring Washer
21	85988100M8*20	Capscrew
22	85984200M12	Nut
23	859864005*24	Hinge Pin
24	859860001.6*16	Split Pin
25	18800001-14-00	Indicator Cylinder Mount
26	18800001-15-00	Indicator Cylinder Assembly
27	18800001-16	Instruction Panel
28	85984400M8	Nut
29	859810004	Plain Washer
30	859810008	Plain Washer
31	859810012	Plain Washer

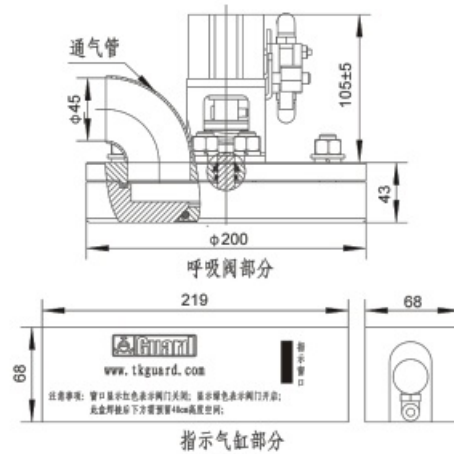
# Remote Control Breather Valve ( Closed )



Remote Control Breather Valve ( Closed ) - welded flange connection, pneumatic remote control, O-ring material is food grade silastic. Pneumatic opening strength, can prevent blockage caused by crystalline adhesion of the product. The fully closed can avoid product volatilization and leakage.

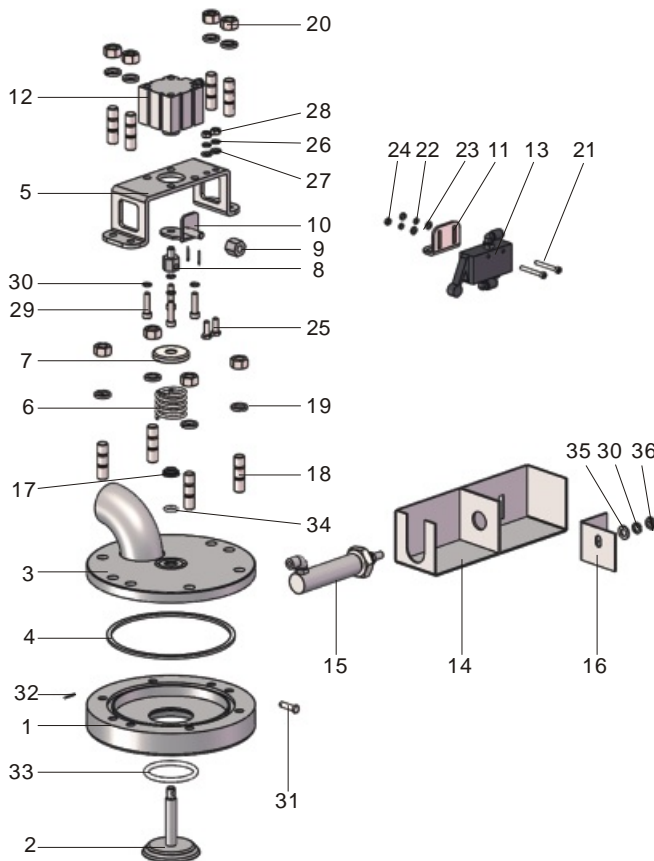


## Fitting Details



Part No.: 18800002-00  
 Nominal Diameter: DN80  
 Design Temperature: -20°C ~ 150°C  
 Contact Parts: 304  
 Seal: 食品级硅橡胶

## Part Drawing

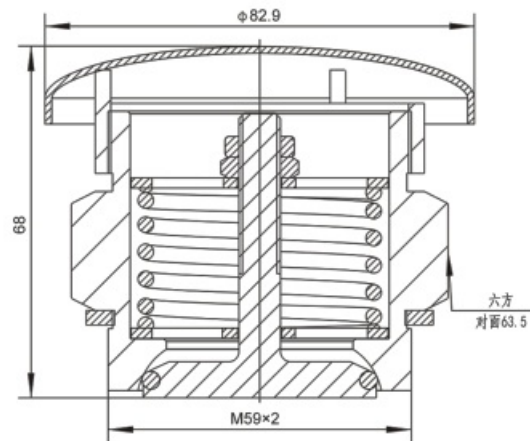


Item	Part No.	Description
1	18800002-01	Weld-in Flange
2	18800002-02-00	Closure Plate Assembly
3	18800002-03-00	Support Seal Flange Assembly
4	18800002-04	Seal Gasket
5	18800002-05	Cylinder Mount
6	18800001-06	Vacuum Spring
7	18800001-07	Negative Pressure Spring Upper Mount
8	18800001-08	Main Cylinder Joint
9	18800001-09	Open Rollers
10	18800001-10-00	Open Roller Mount
11	18800002-06	Ventilation Valve Fixed Seat
12	18800001-12-00	Main Cylinder Assembly
13	18800001-13-00	Directional Valve Assembly
14	18800001-14-00	Indicator Cylinder Mount
15	18800001-15-00	Indicator Cylinder Assembly
16	18800001-16	Instruction Panel
17	8533000012*18*4	橡胶防尘圈C型12*18*4
18	85987100M12*35	Bolt
19	8598110012	Spring Washer
20	85984400M12	Nut
21	85984400M12	Capscrew
22	859811004	Spring Washer
23	859810004	Washer
24	85984400M4	Nut
25	85983300M6*16	Bolt
26	859811006	Spring Washer
27	859810006	Washer
28	85984400M6	Nut
29	85988100M8*20	Capscrew
30	859811008	Spring Washer
31	859864005*24	Hinge Pin
32	859860002*14	Split Pin
33	85A4000050*5.3	O-Ring
34	85A4000011.2*2.65	O-Ring
35	859810008	Washer
36	85984200M8	Nut



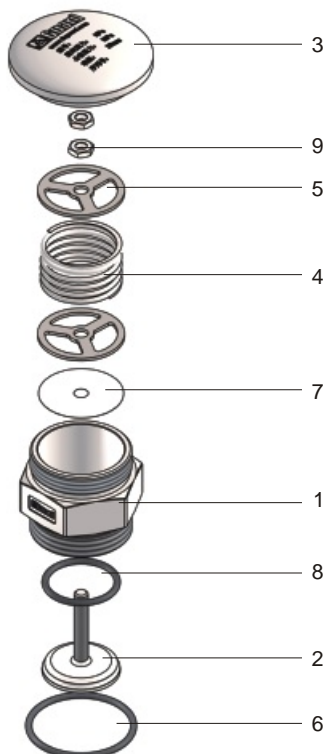
Vacuum Valve (-24KPa)-M59×2 non-standard external screw thread connection, vacuum range-7~-1KPa (-4KPa) , -27~-21KPa (-24KPa) , O-ring material is viton (adjustable). The valve can prevent the vacuum from being too large and can effectively put the suction deflated.

Fitting Details



Part No.: AB5000000401 / Ab5000002401  
 Connection: M59×2 External thread  
 Nominal Diameter: DN50  
 Nominal Pressure: 0.4MPa  
 Setting Pressure: -24KPa ~ -4KPa  
 Design Temperature: -20°C ~ 150°C  
 Contact Parts: CF8/CF8M  
 Seal: Viton

## Part Drawing

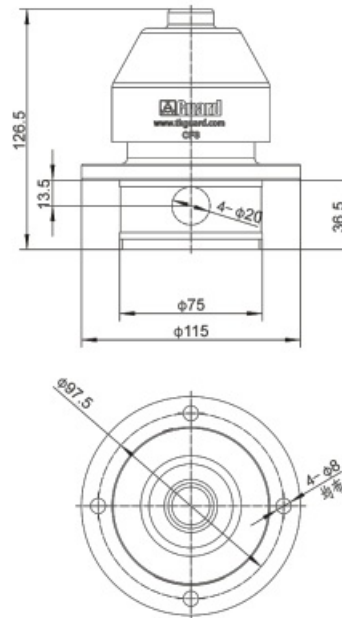


Item	Part No.	Description
1	AB5000002401-01	Body
2	AB5000002401-02	Pressure Plate
3	AB5000002401-03	Cap
4	AB500000XX01-XX	Spring
5	AB5000002401-05	Snap Ring
6	8532000048.7*3.55	O-Ring
7	AB5000002401-07	Gauze Filter
8	8536002037.5*3.5	O-Ring
9	85994200M8	Nut



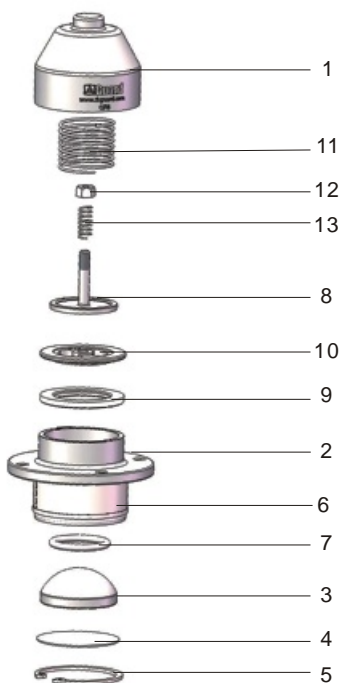
Anti-overflow Breathing Valve (Flange) - Flange connection. Installed on top of the tanker, exhalation opening pressure 6 to 12 kpa, suction opening pressure -4 to -2 kpa. Fitted with a flameproof gauze. Has the function of overflow prevention, when the tank is tilted or overturned on its side, the medium inside the tank is prevented from flowing out.

### Fitting Details



Part No.: 18500004-00  
 Norminal Diameter: 50MM  
 Nominal Pressure: 6Bar  
 Design Tempreature: - 40°C ~ + 120°C  
 Contact Part: CF8  
 Seal: NBR

### Part Drawing



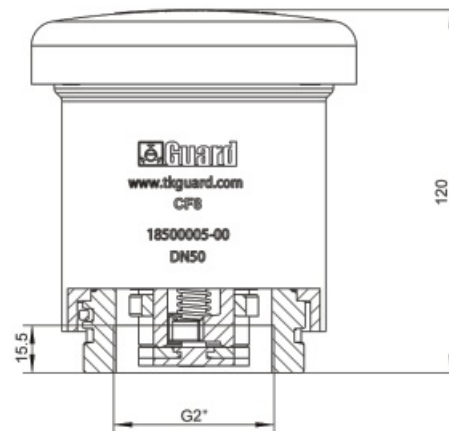
Item	Part No.	Description
1	18500004-01	Cap
2	18500004-02	Main Seal
3	18500004-03	Stress Ball
4	18500004-04	Back Plate
5	8598150065	Jump Ring
6	18500004-05	Flameproof Gauzes
7	8531000037.5*5.3	O-Ring
8	18500004-06	Vacuum Valve Pad
9	18500004-07	Seal
10	18500004-08	Pressure Valve Pad
11	18500004-09	Pressure Spring
12	85984500M8	Lock Nut
13	18500004-10	Vacuum Spring



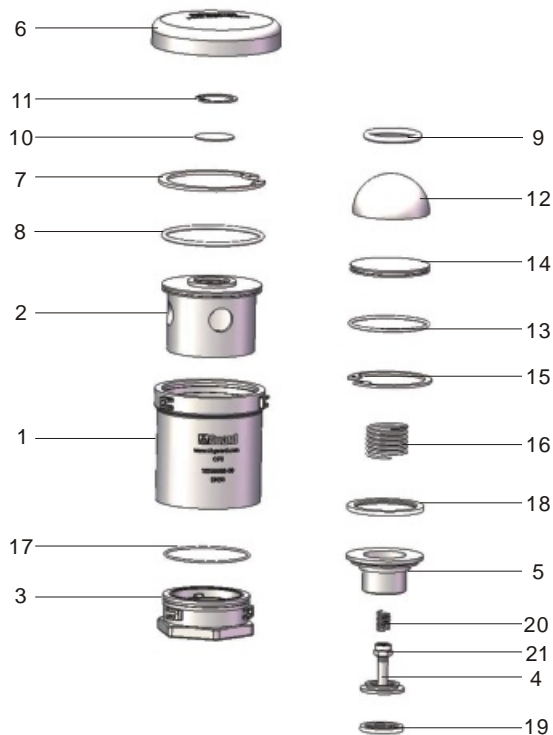
Anti-overflow Breathing Valve (Threaded) - 2" threaded connection. Installed on top of the tanker, exhalation opening pressure 6 to 12 kpa, suction opening pressure -4 to -2 kpa. Fitted with a flameproof gauze. Has the function of overflow prevention, when the tank is tilted or overturned on its side, the medium inside the tank is prevented from flowing out.

Part No.: 18500005-00  
 Norminal Diameter: 50MM  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ + 120°C  
 Contact Part: CF8  
 Seal: NBR

Fitting Details



## Part Drawing



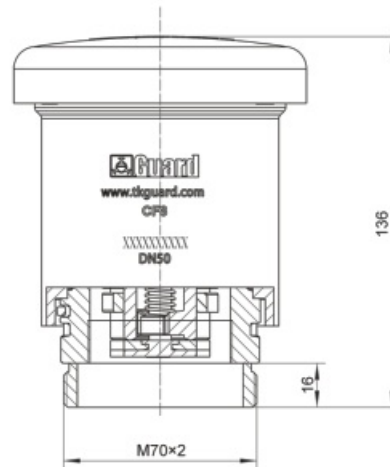
Item	Part No.	Description
1	18500005-01	Body
2	18500005-02	Seal Seat
3	18500005-03	Main Seal
4	18500005-04	Vacuum Poppet
5	18500005-05	Pressure Poppet
6	18500005-06	Cap
7	8598150082	Snap Ring
8	8531000077.5*1.8	O-Ring
9	8531000037.5*5.3	O-Ring
10	18500005-07	Flameproof Gauzes
11	8598150032	Snap Ring
12	18500004-03	Stress Ball
13	8531000061.5*1.8	O-Ring
14	18500005-08	Back Plate
15	8598150065	Snap Ring
16	18500005-09	Pressure Spring
17	85310000967*1.8	Snap Ring
18	18500005-10	Pressure Seal
19	18500005-11	Vacuum Seal
20	18500005-12	Vacuum Spring
21	85985500M8	Nuts with Non-metallic Insert



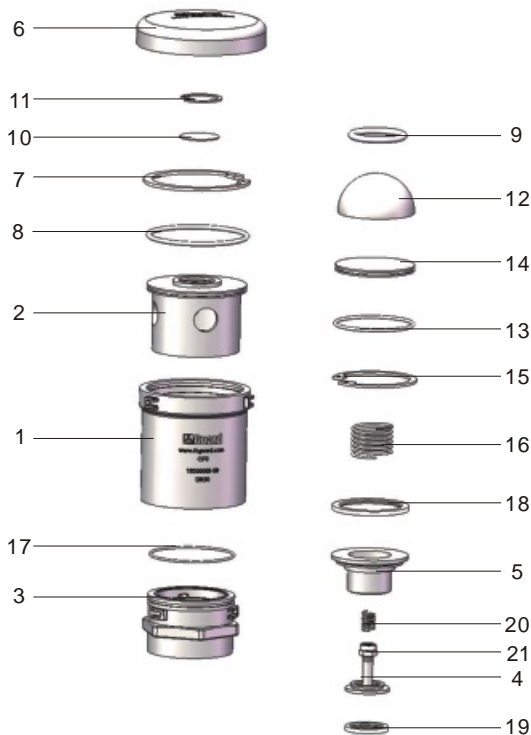
Anti-overflow Breathing Valve (External Thread) - threaded connection. Installed on the top of the tank car, the opening pressure of expiratory is 6 ~ 12KPa, and the opening pressure of inspiratory is -4 ~ 2KPa. Fire retardant nets are installed. With anti-overflow function, when the tank is tilted or turned over, prevent the tank medium from flowing out.

Part No : 18500006-00  
 Norminal Diameter: 50MM  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ + 120°C  
 Contact Part: CF8  
 Seal: NBR

Fitting Details



## Part Drawing



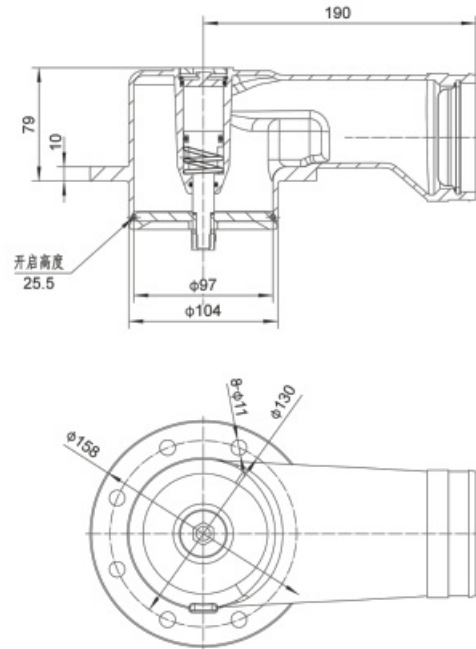
Item	Part No.	Description
1	18500006-01-00	Body
2	18500005-02	Seal Seat
3	18500005-03	Seat
4	18500005-04	Solid Poppet
5	18500005-05	Solid Poppet
6	18500005-06	Cap
7	8598150082	Ring
8	8531000077.5*1.8	O-ring
9	8531000037.5*5.3	O-ring
10	18500005-07	Wire Fabric Arrester
11	8598150032	Ring
12	18500004-03	Ball
13	8531000061.5*1.8	O-ring
14	18500005-08	Wind Screen
15	8598150065	Ring
16	18500005-09	Spring
17	85310000967*1.8	Ring
18	18500005-10	Gasket
19	18500005-11	Gasket
20	18500005-12	Spring
21	85985500M8	Nut
22	85988700M6*8	Nut





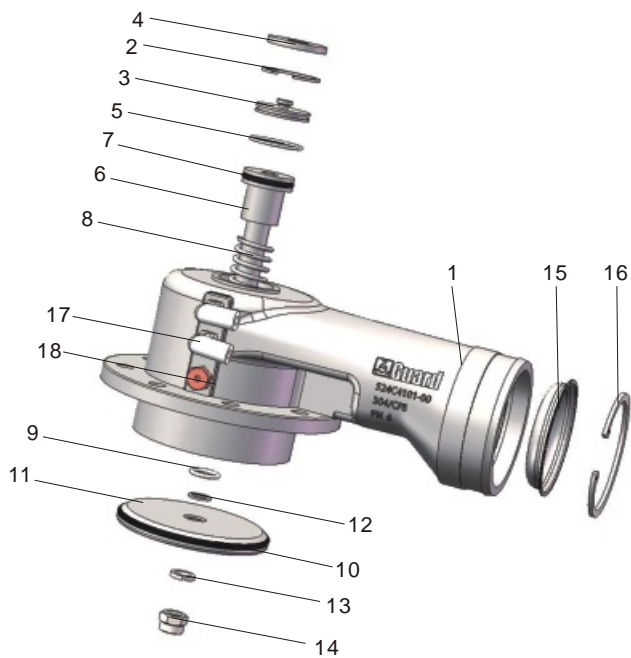
Vapor Recovery Valve - pneumatic control, installed on the tank top or manlid, when the tank loading and unloading material, control gas into or out of the tank, is the key valve to achieve vapor recovery.

### Fitting Details



Part No.: 524C4101-00  
 Norminal Diameter: 100MM  
 Connection: 8 × φ11 × PCD130  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ +120°C  
 Contact Part: CF8  
 Seal: FEP+ VITON

### Part Drawing



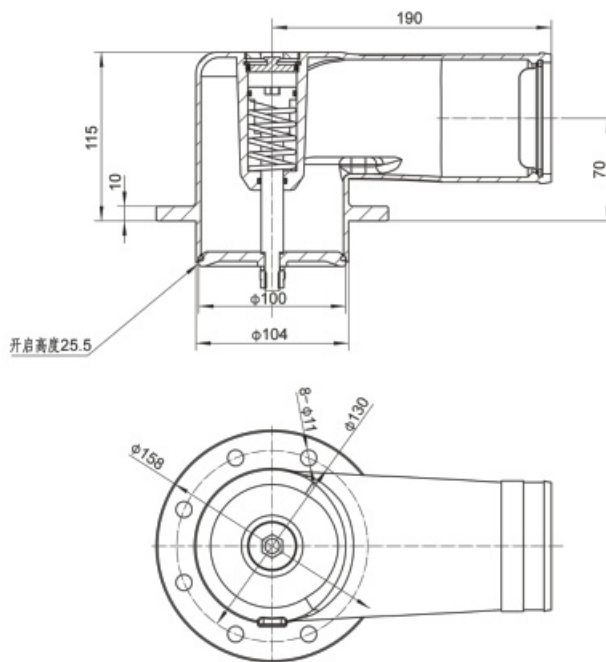
序号 Item	零件图号 Part No.	零件名称 Description
1	524C4101-01	阀体 Body
2	8598150036	弹性挡圈 Snap Ring
3	524C4101-02	挡板 Damper
4	524C4101-03	压盖 Stuffing Clamp
5	8532000031.5*1.8	O型圈 O-Ring
6	524C4101-04	阀杆 Spindle
7	8532000028*2.65	O型圈 O-Ring
8	524C4101-05	弹簧 Spring
9	8532000015*2.65	O型圈 O-Ring
10	G8536002091*3.53	O型圈 O-Ring
11	524C4101-06	阀瓣 Closure Plate
12	524C4101-07	PTFE垫片 Gasket
13	8598110010	弹垫 Spring Washer
14	85985400M10	非金属锁紧螺母 Lock Nut
15	524C4101-08	阻火网 Flameproof Gauzes
16	8598150075	弹性挡圈 Snap Ring
17	96006-DN8	弯管接头1/4" Street Elbow
18	9500DN8-01	消声器 Deafener



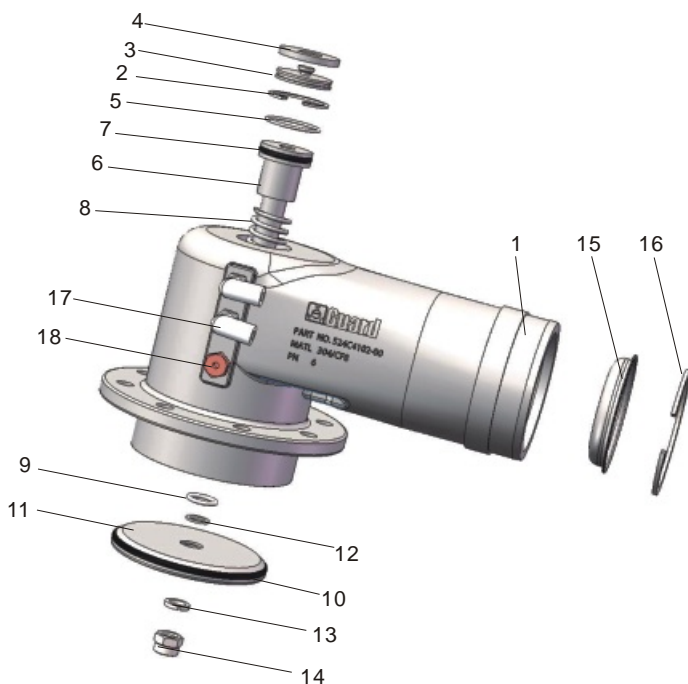
Part No.: 524C4102-00  
 Norminal Diameter: 100MM  
 Nominal Pressure: 6Bar  
 Design Temperature: -40°C ~ + 120°C  
 Contact Part: CF8  
 Seal: FEP+ VITON

Vapor Recovery Valve - Pneumatic control. Integral elevation at the valve body mounting hose, suitable for all kinds of tank. Normally closed, downstream connection to vapor recovery adaptor.

### Fitting Details

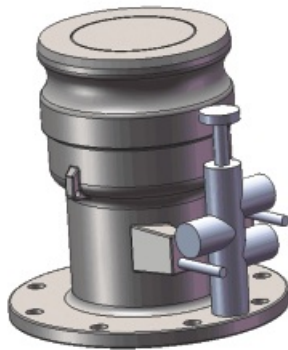


### Part Drawing



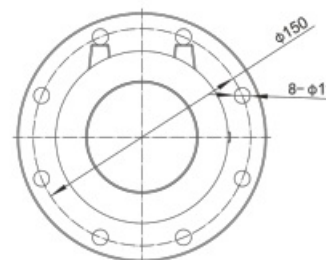
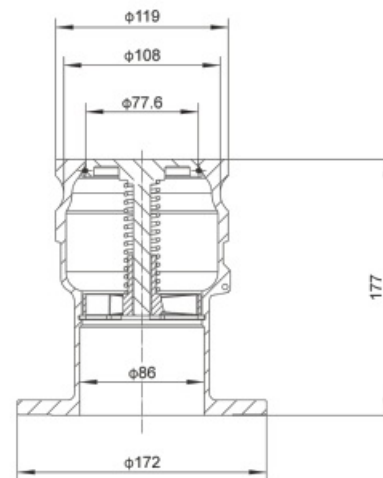
Item	Part No.	Description
1	524C4102-01	Body
2	8598150036	Elastic Collar
3	524C4101-02	Guard
4	524C4101-03	Stuffing Clamp
5	8532000031.5*1.8	O-Ring
6	524C4102-02	Spindle
7	8532000028*2.65	O-Ring
8	524C4101-05	Spring
9	8532000015*2.65	O-Ring
10	G8536002091*3.53	O-Ring
11	524C4101-06	Closure Plate
12	524C4101-07	PTFE Gasket
13	8598110010	Snap Ring
14	85985400M10	Spindle
15	524C4101-08	Flameproof Gauzes
16	8598150075	Elastic Collar
17	96006-DN8	Street Elbow
18	9500DN8-01	Deafener

Vapor Recovery Adaptor - installed under the car, quick coupling, is the connection between the tank and external equipment for vapor recovery.

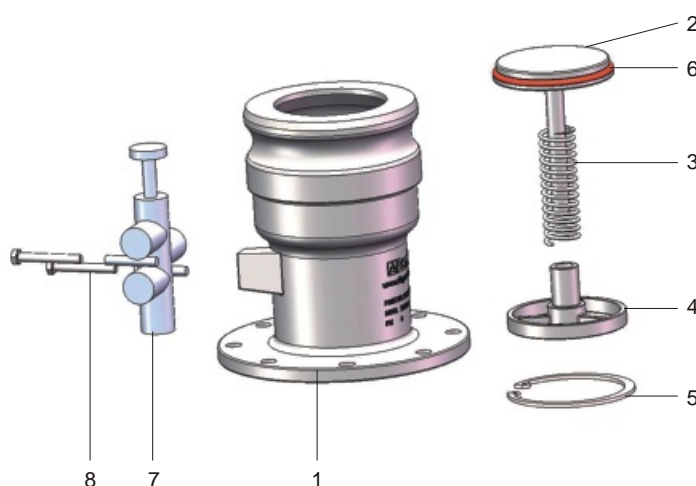


Part No.: 554C4101-00  
 Norminal Diameter: 77.6MM  
 Connection: 8 × φ 11 × PCD150  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ + 120°C  
 Contact Part: CF8  
 Seal: FEP+ VITON

### Fitting Details



### Part Drawing



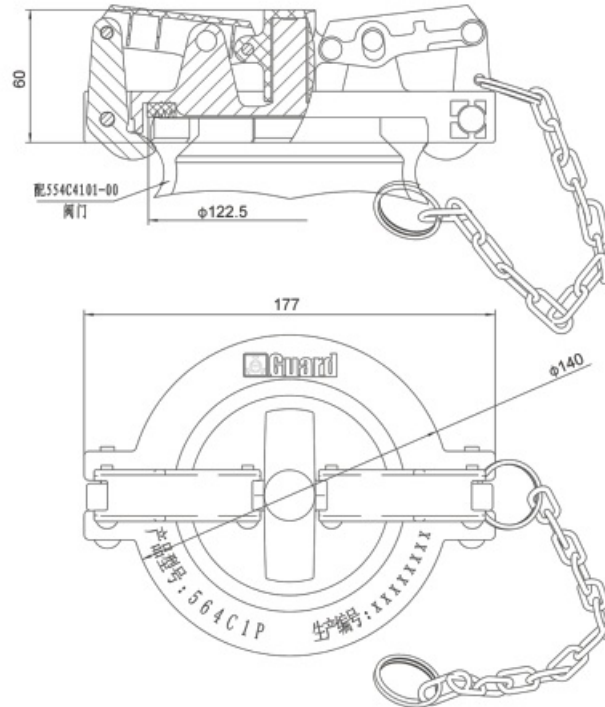
Item	Part No.	Description
1	554C4101-02	Body
2	554C4101-03	Pressure Plate
3	554C4101-05	Spring
4	554C4101-04	Spring Brackets
5	8598150082	Snap Ring
6	8536002072.5*4.5	O-Ring
7	554C4101-06	Pneumatic Interlocking Valves
8	85983300M6*45	Bolt

Vapor Recovery Adaptor Cap - Installed on the vapor recovery adaptor to prevent dust and dirt from entering the valve pipeline, soft seal.

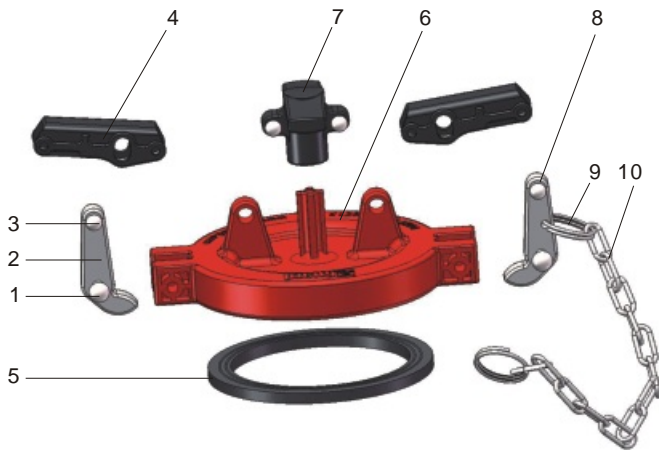


Part No.: 564C1P  
 Norminal Diameter: 100MM  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ + 120°C  
 Contact Part: CF8  
 Seal: VITON

Fitting Details



## Part Drawing



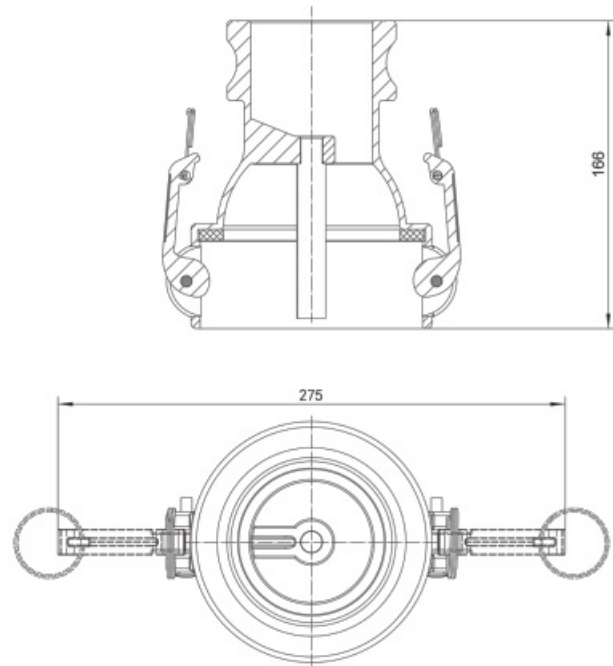
Item	Part No.	Description
1	859807006*42	Rivet
2	564C1P-01	Left Cam Hook
3	859807005*25	Rivet
4	564C1P-02	Connecting Rod Rest
5	564C1P-03	Seal
6	564C1P-04	Dust Cap Body
7	564C1P-05	Handle
8	564C1P-06	Right Cam Hook
9	564C1P-07	Ring
10	564C1P-08	Chain

Ventilation Reducer Connector - connects to the oil gas recovery connector, and the outlet connects to the external air pipe.

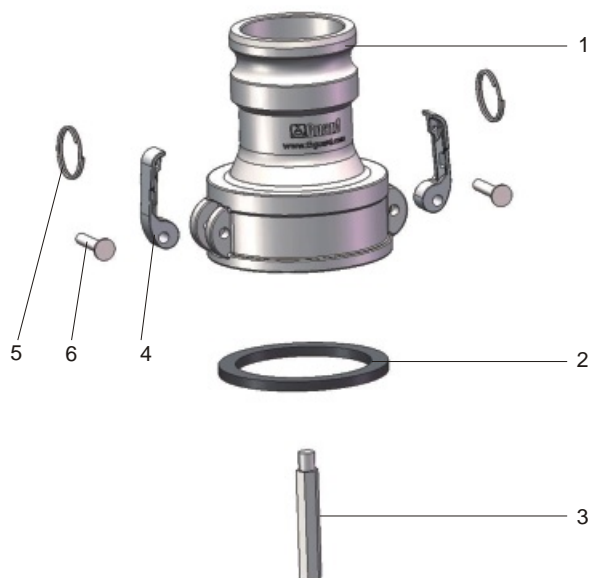


Part No.: 554C4101-01-00  
 Norminal Diameter: 100MM  
 Nominal Pressure : 6Bar  
 Design Temperature: - 40°C ~ +200°C  
 Contact Part: CF8/CF8M  
 Seal: VITON

### Fitting Details



### Part Drawing

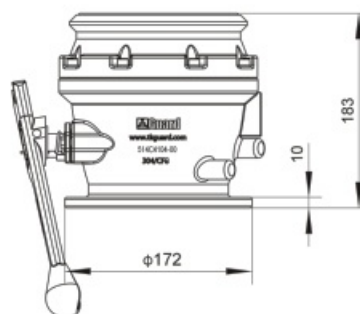
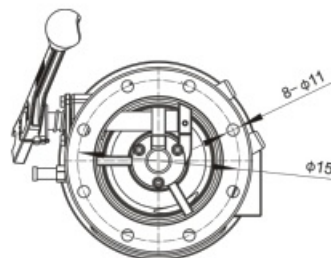


Item	Part No.	Description
1	554C4101-01-01	Body
2	554C4101-01-02	Seal Packing
3	554C4101-01-03	Top Material
4	53804P3-02	Lifting Lug
5	DLJ68001-16	Rings
6	LS218W01	Rivet

Oil Discharge Valve -installed at the bottom of the tank, using quick connection, can quickly unload oil, is an important part of the bottom of the discharge, upstream connected to the bottom valve

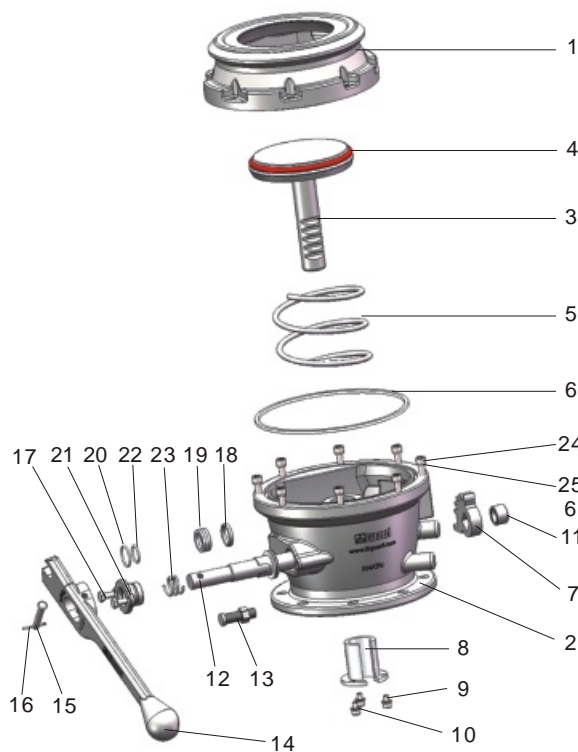


Fitting Details



Part No.: 514C4104-00  
 Norminal Diameter: 100MM  
 Connection: 8 × φ 11 × PCD150  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ + 120°C  
 Contact Part: CF8/CF8M  
 Seal: FEP+ VITON

## Part Drawing



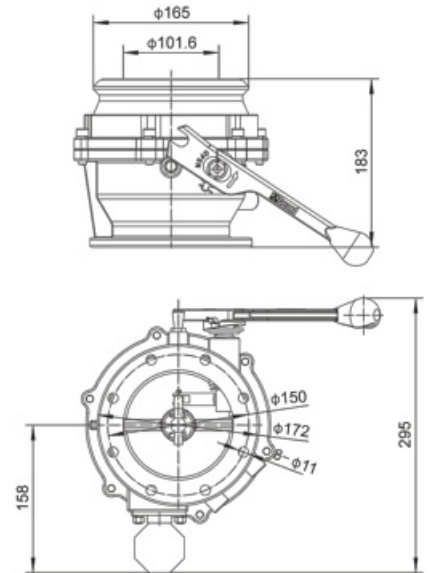
Item	Part No.	Description
1	514C4104-01	Adaptor
2	514C4104-02	Body
3	514C4104-05	Seal
4	8536002093.5*7	O-ring
5	514C4104-14	Spring
6	514C4104-06	PTFE Gasket
7	514C4104-04	Gear
8	514C4104-13	Bush
9	85988100M5*10	Screw
10	8598110010	Washer
11	514C4104-10	Ring
12	514C4104-09	Spindle
13	514C4104-12	Locating Pin
14	514C41-17	Handle
15	859864006*45	Hinge Pin
16	859960002*14	Split Pin
17	85983300M6*12	Screw
18	514C4104-07	Gasket
19	514C4104-08	Packing
20	8532000020*1.8	O-ring
21	514C4104-03	Packing
22	8532000017.5*1.8	O-ring
23	514C4104-15	Spring
24	85988100M6*25	Screw
25	859811006	Spring Washer



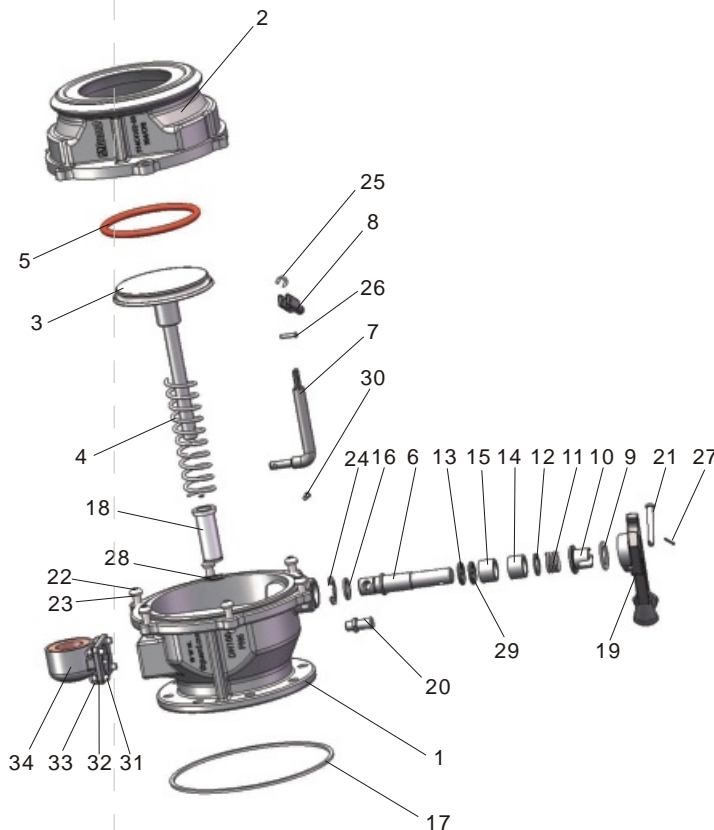
Part No : 514C4103-00  
 Norminal Diameter: 100MM  
 Connection: 8 × φ 11 × PCD150  
 Nominal Pressure: 6Bar  
 Design Tempreature: - 40°C ~ + 120°C  
 Contact Part: CF8/CF8M  
 Seal: FEP+ VITON

Oil Discharge Valve - installed at the bottom of the tank, using quick connection, can quickly unload oil, is an important part of the bottom of the discharge, upstream connected to the bottom valve.

### Fitting Details



### Part Drawing

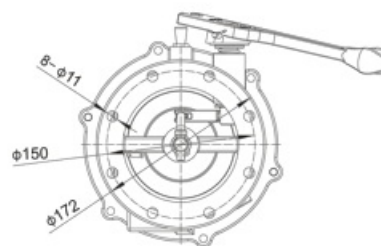
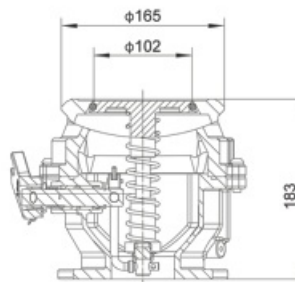


Item	Part No.	Description
1	514C4103-02	Body
2	514C4102-02	Adaptor
3	514C41-03	Presssure Plate
4	514C41-04	Spring
5	8536002093.5*7	O-ring
6	514C41-05	Valve Stem
7	514C41-06	Linkage Stem
8	514C41-07	Driven Stem
9	514C41-08	Gasket
10	514C41-09	Locating Bush
11	514C41-10	Spring
12	514C41-11	Gasket
13	8532000017*3.55	O-ring
14	514C41-12	Bearing
15	514C41-13	Spindle Packing
16	514C41-14	PTFE Gasket
17	514C41-15	Main Gasket
18	514C41-16	Bearing
19	514C41-17	Handle
20	514C41-18	Gear Lever
21	859864006*45	Hinge Pin
22	85988500M8*30	Screw
23	G859811008	Washer
24	8598190015	Ring
25	859819006	Ring
26	859864004*16	Hinge Pin
27	859860001.6*12	Split Pin
28	8598120018	Ring
29	8536002017.5*3.5	O-ring
30	859864004*14	Hinge Pin
31	85987000M6*20	Screw Bolt
32	859811006	Ring
33	85984400M6	Nut
34	514C41030100	Valve Mirror

API Valve ( Anti-storage Liquid ) - Installed at the bottom of the tank, with quick coupler, quickly unload oil, prevent liquid storage inside the valve, is an important part of the bottom unloading, upstream connection to the bottom discharge.

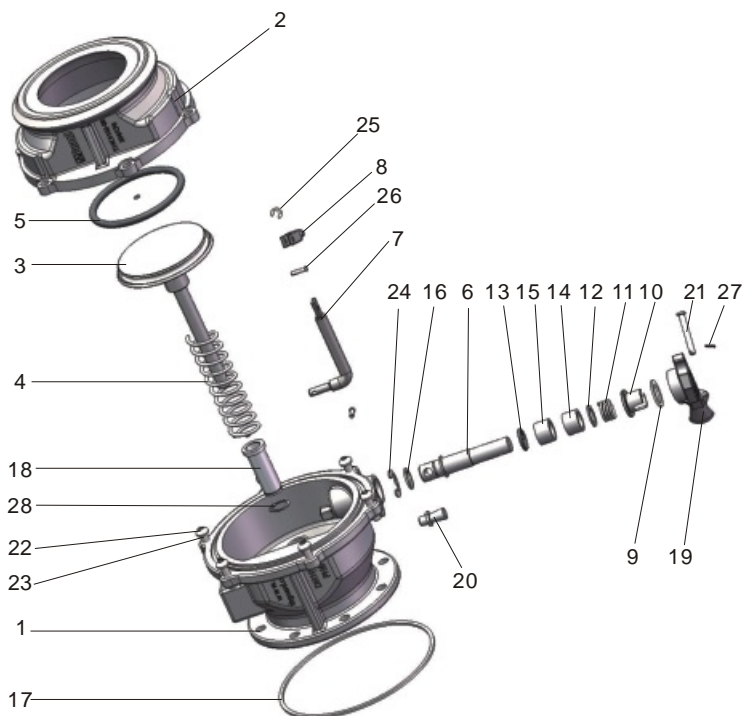


Fitting Details



Part No.: 514C41  
 Norminal Diameter: 100MM  
 Connection: 8 ×  $\phi 11$  × PCD150  
 Nominal Pressure: 6Bar  
 Design Temperature: -40°C ~ +120°C  
 Contact Part: CF8  
 Seal: FEP+ VITON

## Part Drawing



Item	Part No.	Description
1	514C41-01	Body
2	514C41-02	Adaptor
3	514C41-03	Closure Plate
4	514C41-04	SPring
5	8536002093.5*7	O-Ring
6	514C41-05	Spindle
7	514C41-06	Linkage Lever
8	514C41-07	Follower Lever
9	514C41-08	Handle Washer
10	514C41-09	Handle Bottom Cover
11	514C41-10	Spindle Spring
12	514C41-11	Spindle Washer
13	8532000017*3.55	O-Ring
14	514C41-12	Bearing
15	514C41-13	Padding
16	514C41-14	PTFE gasket
17	514C41-15	Main Washer
18	514C41-16	Disc Sleeve
19	514C41-17	Handle
20	514C41-18	Handle Gear Lever
21	859864006*45	Hinge Pin
22	85988500M8*30	Capscrew
23	G859811008	Snap Ring
24	8598190015	Split Washer
25	8598190006	Split Washer
26	859864004*16	Hinge Pin
27	859860001.6*12	Split Pin
28	8598120018	Circlip for Shaft

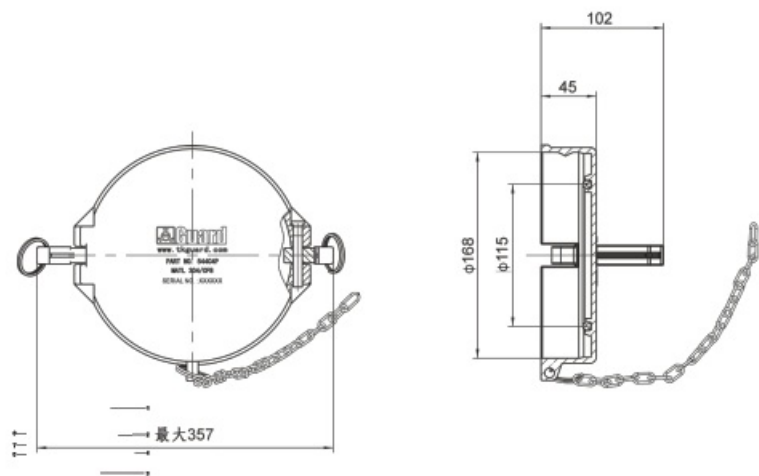




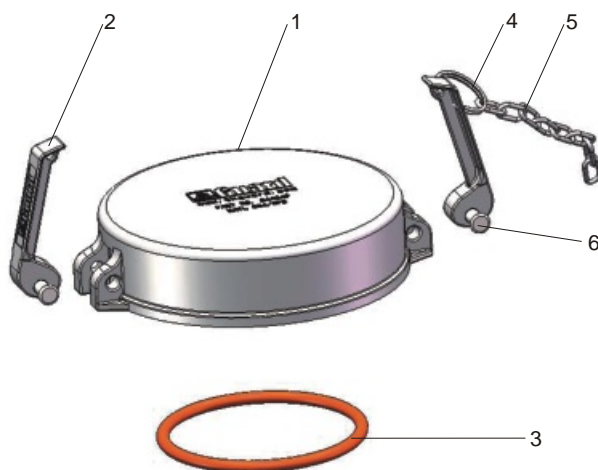
API Valve Cap - Protects the sealing surface of the API valve from accidental knocks and cleanliness

Part No.: 544C4P  
 Norminal Diameter: 100MM  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ +200°C  
 Contact Part: CF8  
 Seal: FEP+ VITON

### Fitting Details



### Part Drawing

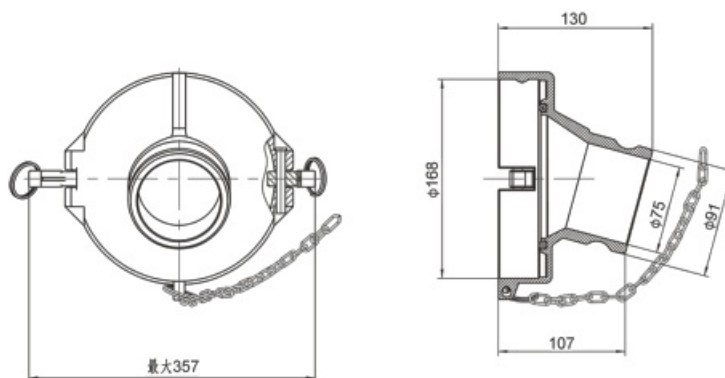


Item	Part No.	Description
1	544C4P-01	Cap
2	53804P3-02	Lifting Lug
3	85360020108*7	O-ring
4	DLJ68001-16	Rings
5	53804P3-05	Chain
6	53804P3-06	Rivet

Gravity Drop Coupling - Connected to API valve, outlet connected to external pipeline for quick discharge, angled downward outlet design for gravity discharge, API connector at female end.

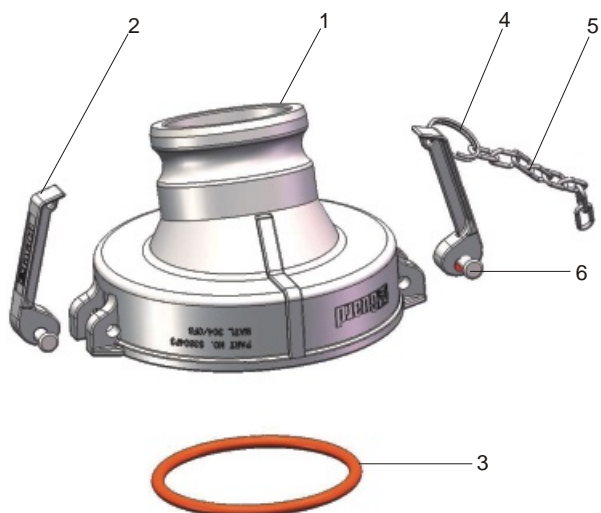


Fitting Details



Part No.: 53804P3  
 Norminal Diameter: 100MM  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ + 120°C  
 Contact Part: CF8  
 Seal: FEP+ VITON

## Part Drawing

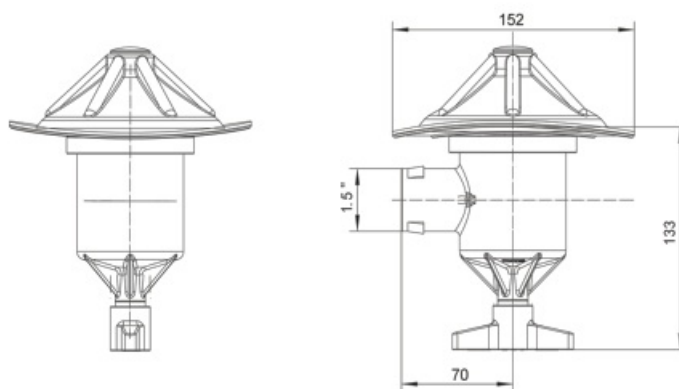


Item	Part No.	Description
1	53804P33-01	Reducer Union
2	53804P3-02	Lifting Lug
3	85360020108*7	O-Ring
4	DLJ68001-16	Rings
5	53804P3-05	Chain
6	53804P3-06	Rivet



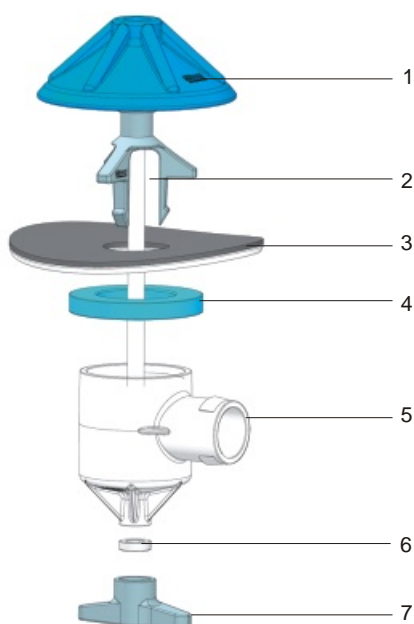
The powder blower is also called the blower, which is connected with the gas pipeline of the powder tank car and plays the role of auxiliary unloading during unloading. Three kinds of products of three specifications can be selected according to the different connection modes.

### Fitting Details



Part No.: CF401101-00  
 Connection: 1.5寸接头  
 Nominal Pressure: PN2  
 Design Temperature: - 40°C ~ +200°C  
 Contact Parts: Silica gel, 304  
 Seal: Silica gel, PTFE

### Part Drawing

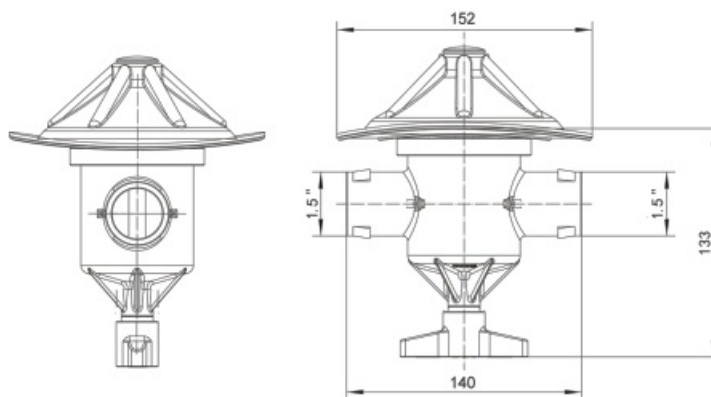


Item	Part No.	Description
1	CF402101-01	Sealing Cap
2	CF402101-02-00	Bracket Assembly
3	CF402101-03	Seal Plate Assembly
4	CF402101-04	Seal
5	CF401101-01	One-way
6	CF402101-06	Gasket
7	CF402101-07	Nut Assembly



The powder blower is also called the blower, which is connected with the gas pipeline of the powder tank car and plays the role of auxiliary unloading during unloading. Three kinds of products of three specifications can be selected according to the different connection modes.

### Fitting Details



Part No.: CF402101-00

Connection :

入口连接类型: 1.5寸接头

出口连接类型: 1.5寸接头

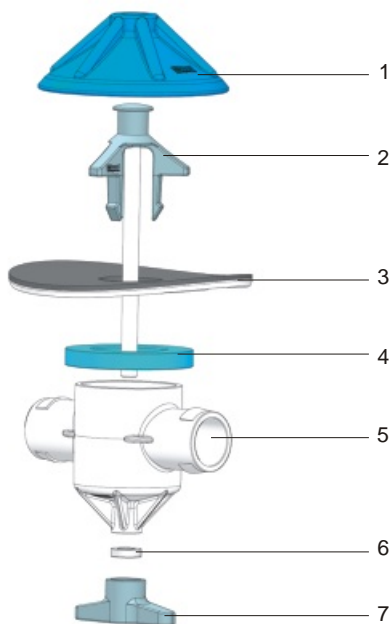
Nominal Pressure: PN2

Design Temperature: - 40°C ~ +200°C

Contact Parts: silica gel、304

Seal: Silica gel、PTFE

### Part Drawing



Item	Part No.	Description
1	CF402101-01	Sealing Cap
2	CF402101-02-00	Bracket Assembly
3	CF402101-03	Seal Plate Assembly
4	CF402101-04	Seal
5	CF402101-05	Two-way
6	CF402101-06	Gasket
7	CF402101-07	Nut Assembly



Blower is used for powder tankcar in a blow aid, this product 2" joint connecting the main air inlet channel, 1.5" joint in series with other blower used in high pressure gas flow, the main sealing material of the product is made of silica gel, in addition, the main body can be selected for two, one two specifications of products.

### Fitting Details

Part No.: CF403101-00

Connection:

入口法兰2寸接头

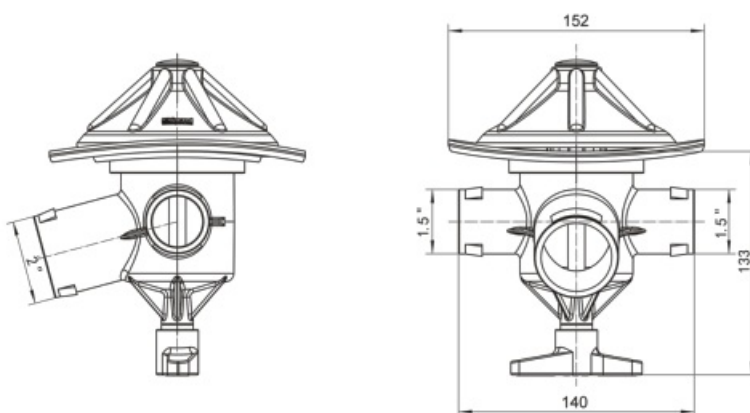
出口连接类型: 1寸快接

Nominal Pressure: 2Bar

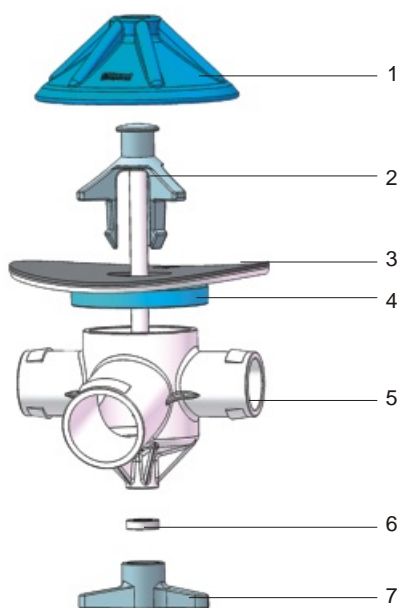
Design Temperature: - 40°C ~ +200°C

Contact Parts: Silica gel, 304

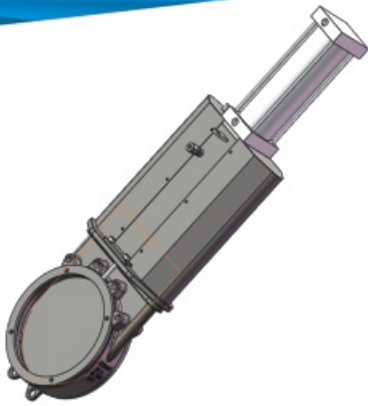
Seal: Silica gel, PTFE



### Part Drawing

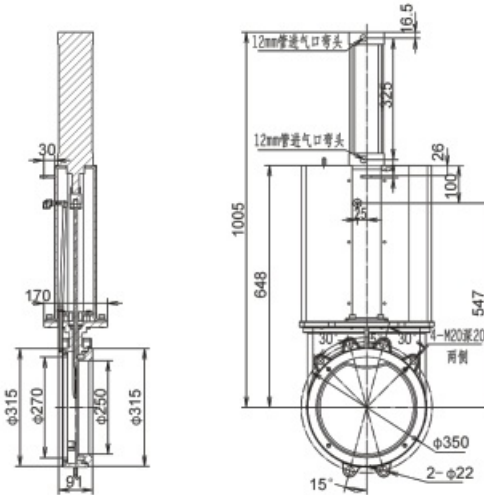


Item	Part No.	Description
1	CF402101-01	Sealing Cap
2	CF402101-02-00	Bracket Assembly
3	CF402101-03-00	Seal Plate Assembly
4	CF402101-04	Seal
5	CF403101-01	Three-way
6	CF402101-06	Gasket
7	CF402101-07	Nut Assembly
8	CF403101-02	Three-way Label For Powder Blower



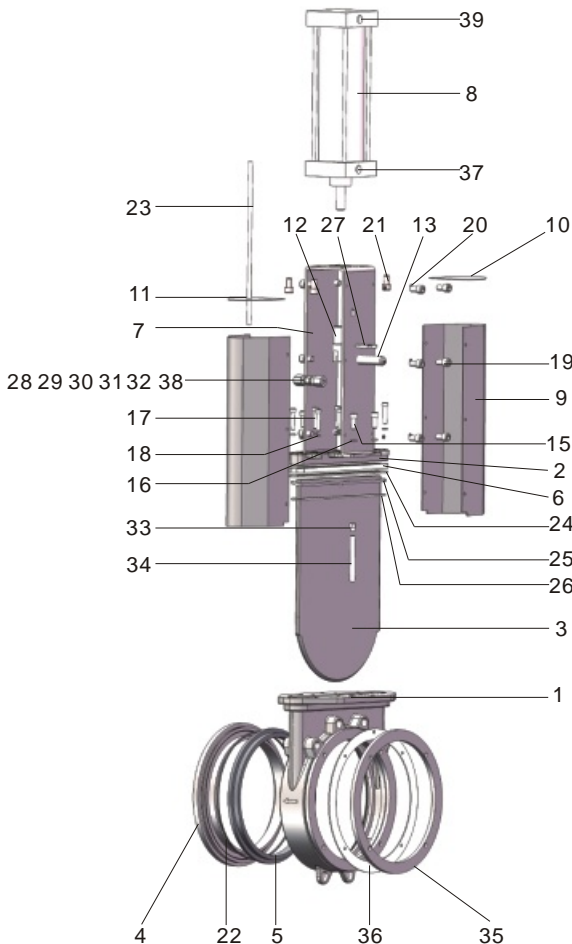
10" Knife Gate Valve - The inlet flange is 4 × M20 evenly distributed on the flange surface of PCD350mm, and the outlet flange is 4 × M20 evenly distributed on the flange surface of PCD350mm. Pneumatic and manual switch can be selected. Viton is used as the main seal.

### Fitting Details



Part No.: DZ01AC01-00  
 Manual Part No.: DZ01AC02-00  
 Connection:  
 Inlet Flange 4 × M20 × PCD350  
 Outlet Flange 4 × M20 × PCD350  
 Nominal Diameter: 250mm  
 Nominal Pressure: 6Bar  
 Design Temperature: - 40°C ~ +200°C  
 Contact Parts: CF8  
 Seal: PTFE, VITON

### Part Drawing



Item	Part No.	Description
1	DZ01AC01-01	Body
2	DZ01AC01-02	Gland
3	DZ01AC01-03	Shutter
4	DZ01AC01-04	Plug
5	DZ01AC01-05	Main Seal Seat
6	DZ01AC01-22	Graphite Packing Gasket
7	DZ01AC01-07	Cylinder Bracket
8	DZ01AC01-29	100X250 Cylinder
9	DZ01AC01-09-03	Production
10	DZ01AC01-09-02	Production
11	DZ01AC01-09-04	Production
12	DZ01AC01-10	Connector
13	8598640010*40	Hinge Pin
14	859861A0d10	R-pin
15	85988100M10*25	Capscrew
16	8598110010	Spring Washer
17	85988100M8*40	Capscrew
18	859811008	Spring Washer
19	85988100M6*10	Capscrew
20	859811006	Spring Washer
21	83988100M10*22T	Capscrew
22	85320000280*3.55	O-Ring
23	DZ01AC01-30	Indicator Stem
24	DZ01AC01-14	Bottom Platen
25	DZ01AC01-15	Stuffing Seal Ring
26	DZ01AC01-16	Upper Platen
27	DZ01AC01-20	Stator
28	8598PMM08	Bulkhead Symmetrical Joint
29	85409600820	8mm Air Tube
30	85409600820	90° Elbow Fittings
31	854096008300	8mm Air Tube
32	85409600PVGL12-8	PVGL Type Elbow
33	8598PCF801	Female Air Couplings
34	DZ01AC01-19	Straight Tube
35	DZ01AC01-17	Steel Ring
36	DZ01AC01-21	Steel Ring Gasket
37	85749600PL12-04	Quick-insert Threaded Elbow
38	AKH0800	SMC pneumatic gas pipe check valve
39	SL12-04	Regulating Valve

**A Type Quick Coupling**

Size: 1/2" ~6" DN15~DN150  
Pressure: 1.6MPa  
Material: 316L  
Design Temperature: -20°C ~232°C  
Medium : gas, liquid, oil, corrosive liquid  
Range: food, medicine, chemical, transportation

A型快速接头是一个公头，它两边没有拉耳，它一头的连接是与有拉耳的母头直接卡的，另一头则是内螺纹连接。

**Quick Coupling (B Type)**

Size: 1/2" ~6" DN15~DN150  
Pressure: 1.6MPa  
Material: 316L  
Design Temperature: -20°C~232°C  
Medium: gas, liquid, oil, corrosive liquid  
Range: food, medicine, chemical, transportation

B型快速接头两头各有一个拉耳、属于母头、它一头是与公头连接直接卡的、另一头则是外螺纹连接。

**Quick Coupling(C Type)**

Size: 1/2" ~6" DN15~DN150  
Pressure: 1.6MPa  
Material: 316L  
Design Temperature: -20°C ~232°C  
Medium: gas, liquid, oil, corrosive liquid  
Range: food, medicine, chemical, transportation

C型快速接头，有两个拉耳，属于母头，它一头是与公头直接卡的，另一头是直接插软管（皮管）的所以也可以把C型快速接头称为皮管快速接头或软管快速接头。

**Quick Coupling (D Type)**

Size: 1/2" ~6" DN15~DN150  
Pressure: 1.6MPa  
Material: 316L  
Design Temperature: -20°C ~232°C  
Medium: gas, liquid, oil, corrosive liquid  
Range: food, medicine, chemical, transportation

D型快速接头是一个母头，两边各有一个拉耳。之所以叫D型快速接头是因为它一头的连接是直接拉耳卡的连接拆卸快捷方便，另一头则是内螺纹连接。

## Quick Coupling (E Type)



Size: 1/2" ~ 6" DN15~DN150  
Pressure: 1.6MPa  
Material: 316L  
Design Temperature: -20°C ~ 232°C  
Medium: gas, liquid, oil, corrosive liquid  
Range: food, medicine, chemical, transportation

E型快速接头是一个公头，它没有拉耳通常是和有拉耳的快速接头配套使用这样才能起到快接快拆的效果，它一头的连接方式是和母头直接卡的，另一头则是直接插到皮管、软管里面。

## Quick Coupling (F Type)



Size: 1/2" ~ 6" DN15~DN150  
Pressure: 1.6MPa  
Material: 316L  
Design Temperature: -20°C ~ 232°C  
Medium : gas, liquid, oil, corrosive liquid  
Range: food, medicine, chemical, transportation

F型快速接头是一个公头，它两边没有拉耳，所以它一般是和有拉耳的母头配套使用，这样才能达到快速拆卸安装的效果，所以它的一头是直接和有拉耳的母头直接卡的，而另一头则是外螺纹连接。

## Quick Coupling (DC Type)



Size: 1/2" ~ 6" DN15~DN150  
Pressure: 1.6MPa  
Material: 316L  
Design Temperature: -20°C ~ 232°C  
Medium : gas, liquid, oil, corrosive liquid  
Range: food, medicine, chemical, transportation

DC型快速接头是一个母头，它两边各有一个拉耳，它只有一头连接是直接卡的另一头则是一个堵头的形式，这是一种全新堵头。



## Quick Coupling (DP Type)



Size: 1/2" ~6" DN15~DN150  
 Pressure: 1.6MPa  
 Material: 316L  
 Design Temperature: -20°C ~ 232°C  
 Medium : gas, liquid, oil, corrosive liquid  
 Range: food, medicine, chemical, transportation

DP型快速接头因为它是一个堵头的形式所以也可以把它叫为快速堵头，它是一个公头只有一头连接是直接卡的。

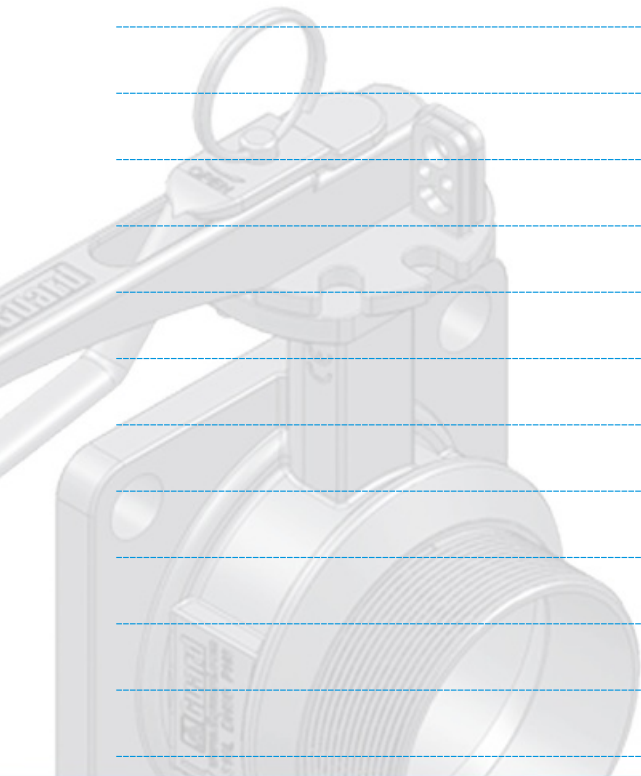
## Coupler



Size: 1" ~ 4" DN25~DN100  
 Pressure: 1.6MPa  
 Material:316L  
 Design Temperature: -20°C ~ 232°C  
 Medium: gas, liquid, oil, corrosive liquid  
 Range: food, medicine, chemical, transportation



Size	Description
1"	Square Flange Coupler
2"	Square Flange Coupler
2 1/2"	Square Flange Coupler
3"	Square Flange Coupler
4"	Square Flange Coupler
1"	Round Flange Coupler
2"	Round Flange Coupler
2 1/2"	Round Flange Coupler
3"	Round Flange Coupler
4"	Round Flange Coupler





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