

J&O[®]

J&O FLUID CONTROL CO., LIMITED

Safety Valve

J&O[®]

J&O FLUID CONTROL CO., LIMITED

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With more than 15 years of market experiences, we have become the leading supplier service for pharmaceutical, chemical, food, Beverage and Lithium battery companies



Site Code



WhatsApp Code

J&O BRAND, RELIABLE QUALITY FOR YOU
CE&ISO 9001:2015 CERTIFIED ACQUIRED
15 YEARS FLUID SOLUTION EXPERIENCES
EXPORTING TO OVER 40 COUNTRIES
EXCELLENT VALUE-ADDED SERVICE.



We focus on Details
We Make Different
J&O Brand,that can be trust.

J&O PROFILE

J&O Fluid Control Co., Limited established in 2008, a leading Manufacturer and Supplier of high quality hygienic stainless steel flow control equipments.

J&O services the Food, Dairy, Beverage, Cosmetic, Pharmaceutical, Biological engineering, Lithium battery, Semiconductor, Water treatment, Petroleum and Chemical industries.

J&O product series consists of sanitary stainless steel Valves & Fittings:

- >>Sanitary Stainless Steel Pumps
- >>Sanitary Stainless Steel Valves
- >>Stainless Steel Tank Accessories
- >>Stainless Steel Pipe Fittings
- >>Stainless Steel Flanges
- >>Stainless Steel Double Ferrule Tube Fittings
- >>Hydraulic Pneumatic Quick Coupling
- >>Carbon Steel Pipe Fittings
- >>Customized Valve and Fittings

Through the years, "Perfection" has been the only goal we pursue. In order to satisfy customers, with continuous efforts, we are working towards perfection through a Quality Assurance System. With persistence and effort, we have become one of the leading enterprises of sanitary valves and pipe fittings in China.

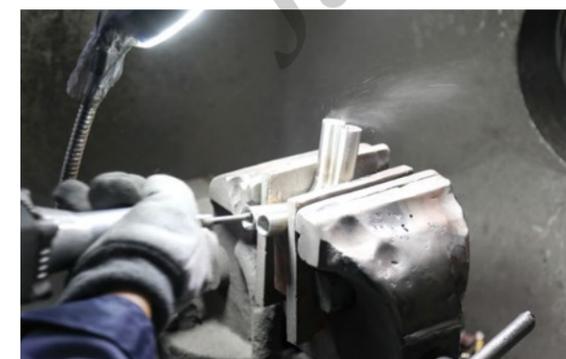
Our organization is dedicated to provide our customers with best service of every aspect. We strongly believe, that the friendship and trust given by our customers, is the great treasure we have.

J&O[®]
J&O FLUID CONTROL CO., LIMITED

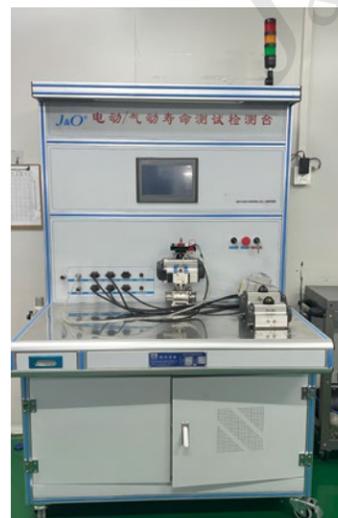
Certificate



Plant & Producing



Testing Machine



Actuator Testing



Helium Leak Detector



Pressure Test for Large Valve



Pressure Test for Small Valve

Safety Valve

Structure and features

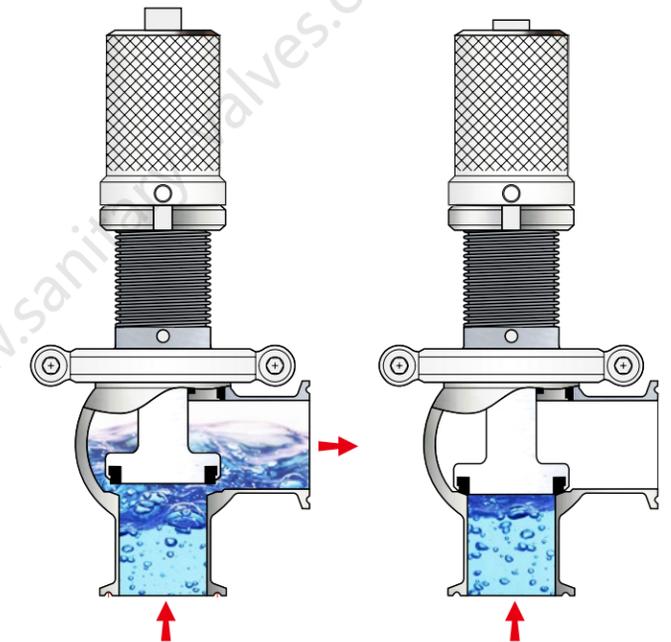
- Featuring Simple Structure, Attractive Appearance, Quick Pressure Adjustment and Convenient Maintenance.
- Adjustable Pressure Control, Freely Adjustment in Full Range
- Acid-Proof Stainless Steel Valve Body, Bright and Clean Surface, Food Rubber Seat, the product meets Sanitary Requirement
- Pay Attention to Liquid input Direction, Reversal input is Forbidden

Application cation

SG Multi-Structure Safety valve and pressure Regulator valve are widely used in Food, Beverage, Dairy and Beer industries.

Technical parameter

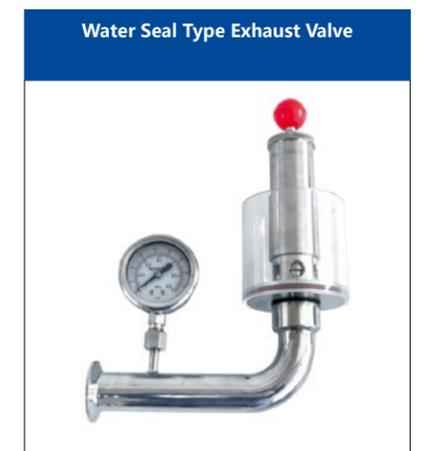
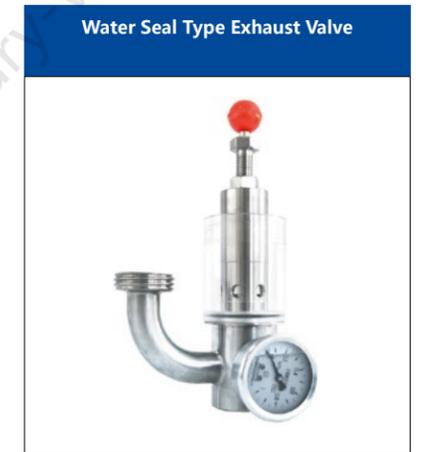
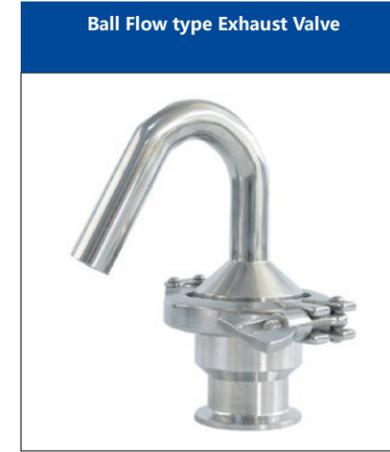
- Service Pressure: $\leq 6\text{bar}$
- Pressure Control Range: $0.5\sim 6\text{bar}$
- Nominal Diameter: DN25-DN100
- Sealing Material: EPDM, SI, FPM, PTFE
- Media Temp: $100\sim 120^\circ\text{C}$
- Working Media: Liquid Material, Gas



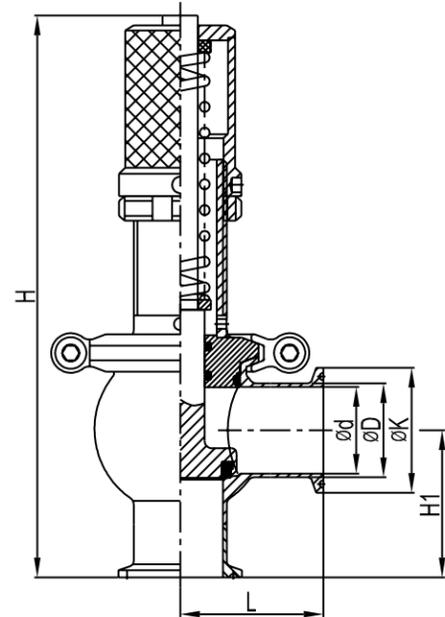
Safety Valve

Our Core Values: Team, Details, Altruism, Innovation and Embrace Change.

Safety Valve



Safety Valve

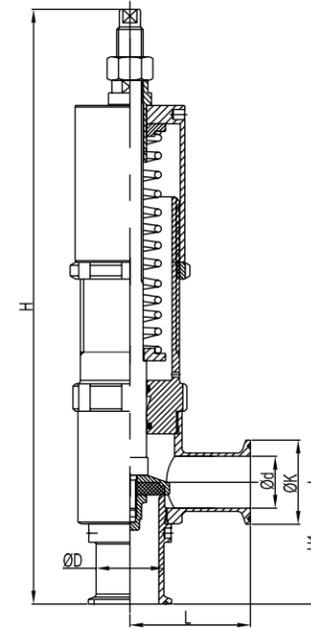


JOV-SFH002-22

Sanitary Safety Valve

SIZE	d	D	K	L	H1	H
1"	22.4	25.4	50.5	61	61	227
1.25"	28.8	31.8	50.5	61	61	227
1.5"	35.1	38.1	50.5	59	58	227
2"	47.8	50.8	64	66	66	270
2.5"	59.5	63.5	77.5	77	77	318
3"	72.2	76.2	91	97	97	351
3.5"	84.9	88.9	106	107	97	362
4"	97.6	101.6	119	135	127	399

SIZE	d	D	K	L	H1	H
DN25	25	28	50.5	61	61	227
DN32	31	34	50.5	61	61	227
DN40	37	40	50.5	59	58	227
DN50	49	52	64	66	66	270
DN65	66	70	91	97	97	351
DN80	81	85	106	107	97	362
DN100	100	104	119	135	127	399

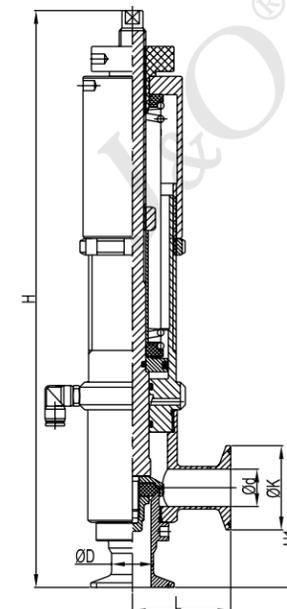


JOV-SFH001-22

Sanitary Safety Valve

Size	d	D	K	L	H1	H
1"	22.4	25.4	50.5	68	68	354
1.25"	28.8	31.8	50.5	68	72	354
1.5"	35.1	38.1	50.5	74	76	356
2"	47.8	50.8	64	79	83	374

SIZE	d	D	K	L	H1	H
DN25	25	28	50.5	68	69.3	354
DN32	31	34	50.5	68	73	354
DN40	37	40	50.5	74	77	356
DN50	49	52	64	79	83.6	374

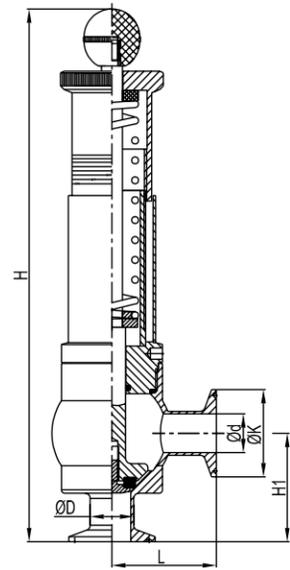


JOV-SFH001-22

Manual/Pneumatic Safety Valve

SIZE	d	D	K	L	H1	H
1"	22.4	25.4	50.5	68	68	354
1.25"	28.8	31.8	50.5	68	72	354
1.5"	35.1	38.1	50.5	74	76	356
2"	47.8	50.8	64	79	83	374

SIZE	d	D	K	L	H1	H
DN25	25	28	50.5	68	69.3	354
DN32	31	34	50.5	68	73	354
DN40	37	40	50.5	74	77	356
DN50	49	52	64	79	83.6	374

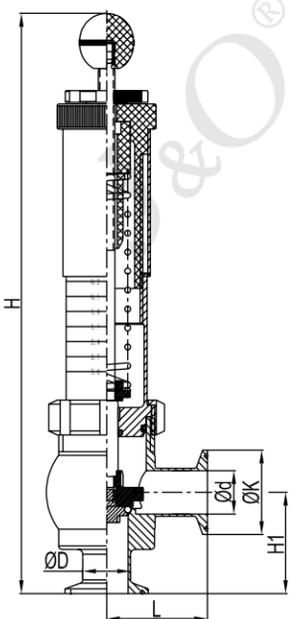


JOV-SFH003-22

Adjustable Safety Valve

Size	d	D	K	L	H1	H
1"	22.4	25.4	50.5	61	61	308
1.25"	28.8	31.8	50.5	61	61	308
1.5"	35.1	38.1	50.5	61	61	308
2"	47.8	50.8	64	83	83	318

Size	d	D	K	L	H1	H
DN25	25	28	50.5	61	61	308
DN32	31	34	50.5	61	61	308
DN40	37	40	50.5	61	61	308
DN50	49	52	64	66	66	318



JOV-SFH004-22

Adjustable Safety Valve

Size	d	D	K	L	H1	H
1"	22.4	25.4	50.5	61	61	348
1.25"	28.8	31.8	50.5	61	61	348
1.5"	35.1	38.1	50.5	61	61	348

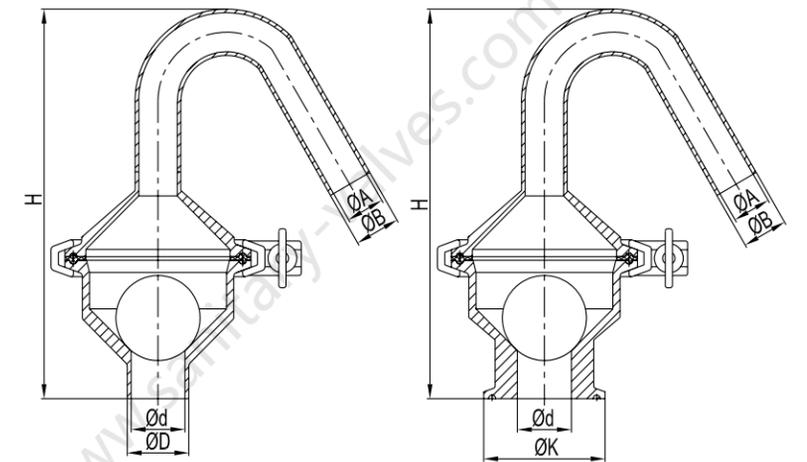
Size	d	D	K	L	H1	H
DN25	25	28	50.5	61	61	348
DN32	31	34	50.5	61	61	348
DN40	37	40	50.5	61	61	348

Ball Flow Type Exhaust Valve

This automatic exhaust valve is a double-seat valve with a free moving plastic ball. The plastic ball is lighter than water, so it can close the upper and lower seats according to pressure conditions. This valve is installed vertically in the pipeline or on the top of a container or at the pump inlet to remove air as required.

Material

- Upper and lower seat: stainless steel 304
- Valve ball: Polypropylene
- Sealing ring: EPDM
- Finish: polished



JOV-EXH001-11

JOV-EXH001-22

Technical Data

- OD Range: 1"-1.5"
- Maximum pressure: 1.0MPa
- Maximum temperature: 90°C (because the valve ball is a plastic ball)
- Valve ball density: 0.906kg/dm³

Size	d	D	K	A	B	H
0.75"	16.1	19.1	50.5	16.1	19.1	148
1"	22.4	25.4	50.5	16.1	19.1	160
1.5"	35.1	38.1	50.5	16.1	19.1	160

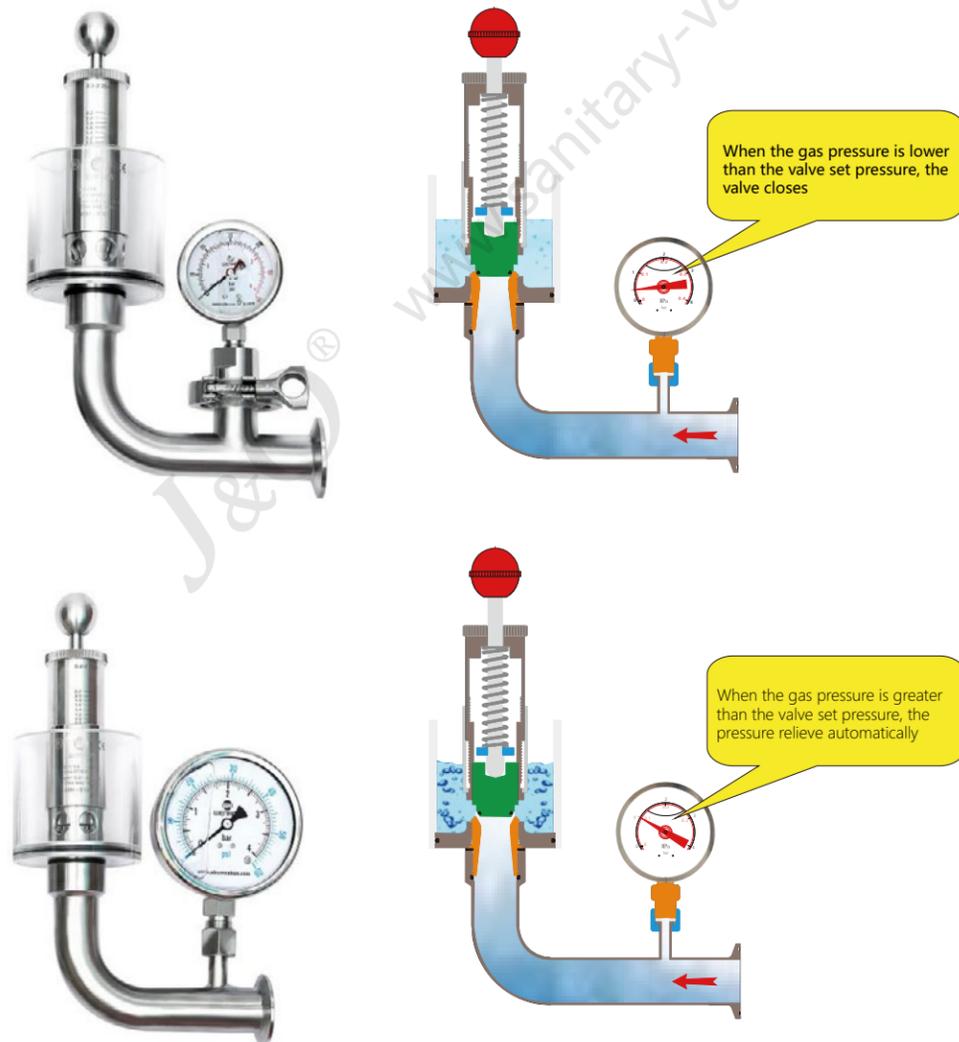
Size	d	D	K	A	B	H
DN20	19	22	50.5	16.1	19.1	148
DN25	25	28	50.5	16.1	19.1	160
DN40	37	40	50.5	16.1	19.1	160

Water Seal Type Exhaust Valve

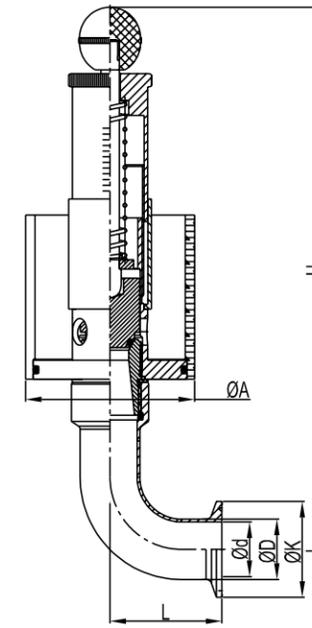
This exhaust valve is covered with a transparent glass cover, which can be filled with water. Filling the water till the liquid level overflows the exhaust port. Bubbles can be found in time during pressure relief. The valve is normally closed. With pressure scale adjustment function, it can adjust the pressure within the setting range according to different working conditions.

Technical Parameter

- Pressure Control Range: 0. 2~2.2bar
- Nominal Diameter: 1"-1.5"DN25~DN40
- Sealing Material: Food Rubber
- Media Temp: -10°C ~90°C
- Working Medium: Gas



Exhaust Valve

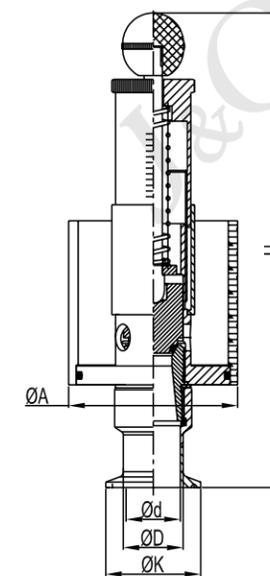


JOV-EXH002-22

Water Seal Type Exhaust Valve

Size	d	D	K	A	L	H
1"	22.4	25.4	50.5	90	55	286
1.25"	28.8	31.8	50.5	90	60	286
1.5"	35.1	38.1	50.5	90	70	286

Size	d	D	K	A	L	H
DN25	25	28	50.5	90	71	286
DN32	31	34	50.5	90	76	286
DN40	37	40	50.5	90	81	294



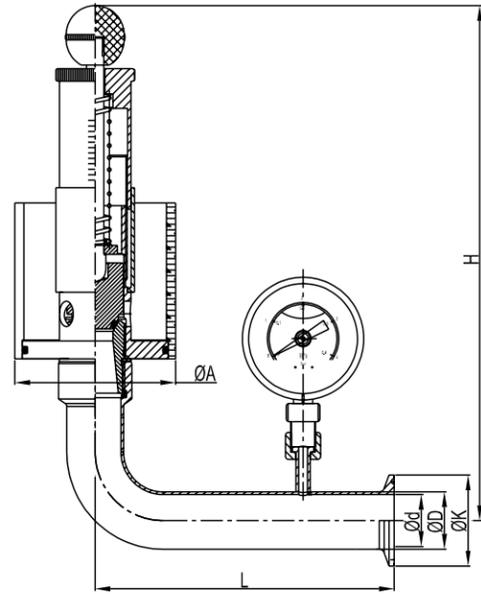
JOV-EXH003-22

Water Seal Type Exhaust Valve

Size	d	D	K	A	H
1"	22.4	25.4	50.5	90	250
1.25"	28.8	31.8	50.5	90	250
1.5"	35.1	38.1	50.5	90	258

Size	d	D	K	A	H
DN25	25	28	50.5	90	257
DN32	31	34	50.5	90	252
DN40	37	40	50.5	90	255

Exhaust Valve

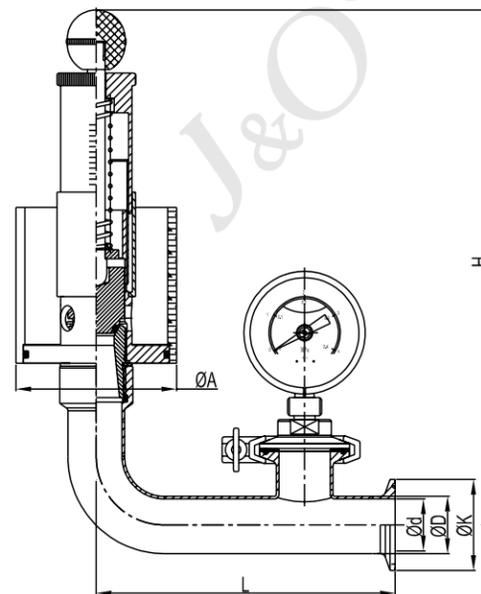


JOV-EXH002P-22

Water Seal Type Exhaust Valve with Pressure Gauge

Size	d	D	K	A	L	H
1"	22.4	25.4	50.5	90	167	286
1.25"	28.8	31.8	50.5	90	167	286
1.5"	35.1	38.1	50.5	90	167	286

Size	d	D	K	A	H
DN25	25	28	50.5	167	286
DN32	31	34	50.5	167	286
DN40	37	40	50.5	167	294



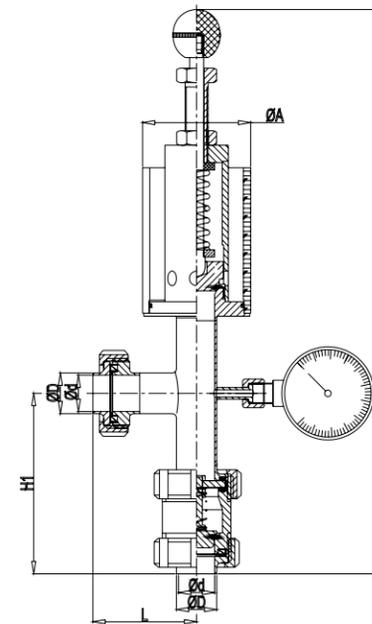
JOV-EXH002P02-22

Water Seal Type Exhaust Valve with Pressure Gauge

Size	d	D	K	A	L	H
1"	22.4	25.4	50.5	90	167	286
1.25"	28.8	31.8	50.5	90	167	286
1.5"	35.1	38.1	50.5	90	167	286

Size	d	D	K	A	L	H
DN25	25	28	50.5	90	167	286
DN32	31	34	50.5	90	167	286
DN40	37	40	50.5	90	167	294

Exhaust Valve

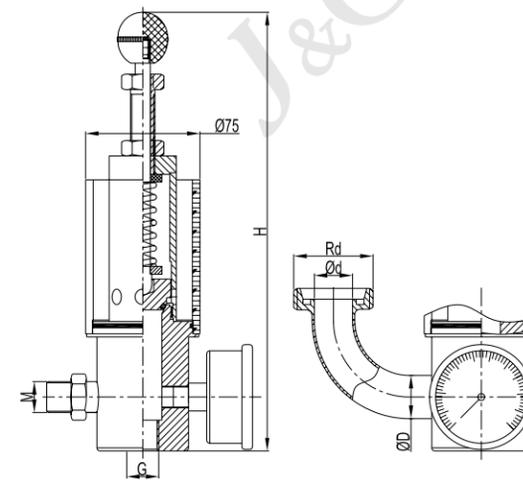


JOV-EXH003P-33

Water Seal Type Exhaust Valve

Size	d	D	A	L	H1	H
1"	22.4	25.4	75	72	124	286
1.25"	28.8	31.8	75	72	124	286

Size	d	D	A	L	H1	H
DN25	25	28	75	72	124	286
DN32	31	34	75	72	124	286

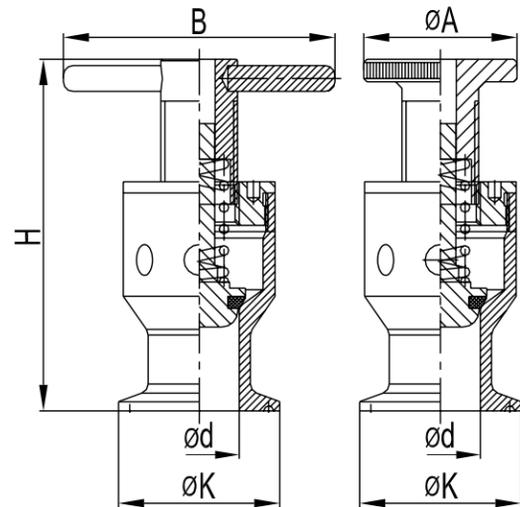


JOV-EXH003P02-33

Water Seal Type Exhaust Valve

Size	d	D	Rd	M	G	H
1"	22.4	25.4	40X1/6"	20X1.5	1/2"	285
1.25"	28.8	31.8	48X1/6"	20X1.5	1/2"	285

Size	d	D	Rd	M	G	H
DN25	25	28	52X1/6"	20X1.5	1/2"	285
DN32	31	34	58X1/6"	20X1.5	1/2"	285

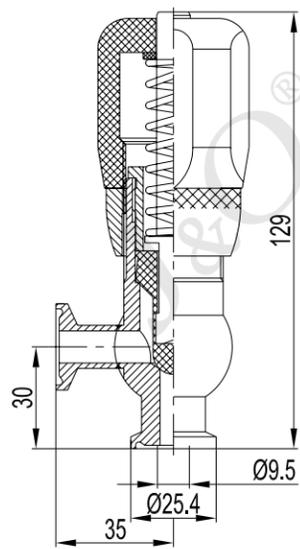


Manual Adjust Exhaust Valve

Size	d	K	A	B	H
0.75"	16.1	50.5	48	85	99
1"	22.4	50.5	48	85	99
1.25"	28.8	50.5	48	85	99

Size	d	K	A	B	H
DN20	19	50.5	48	85	99
DN25	25	50.5	48	85	99
DN32	31	50.5	48	85	99

JOV-EXHM004-22



JOV-SSFH-22

Aseptic Safety Valve

Breather Valve

Application

This type of breathing valve can realize double functions of exhalation and inhalation, effectively protecting the safety of containers and pipeline systems.

Valve core sealing

Soft seals (EPDM or PTFE)

Technical parameters

Positive pressure value $\leq 0.32\text{Mpa}$

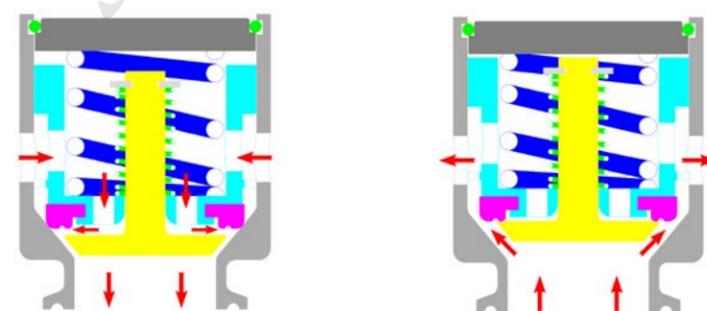
Vacuum value $\leq -0.09\text{Mpa}$



Working principle

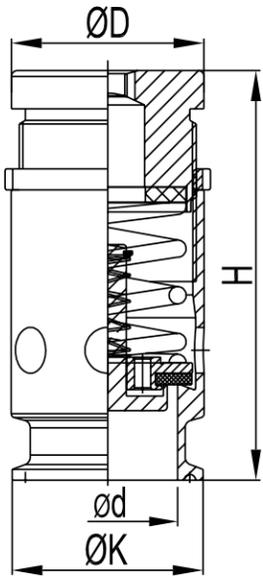
When the positive pressure value in the container is greater than the pressure value set by the valve positive pressure spring, the valve will automatically open and exhaust to the outside of the container. When the positive pressure value in the container is lower than the pressure value set by the valve positive pressure spring, the valve will be closed. When the vacuum negative pressure value in the container is greater than the value set by the valve, the valve will automatically open and inhale into the container. When the vacuum negative pressure value in the container is lower than the value set by the valve, the valve will be closed.

Gas Flow



The vacuum value in the container is greater than the set value of the spring negative pressure

When the positive pressure in the container is greater than the set spring pressure



JOV-ABH004-22

Adjustable Type Breather Valve

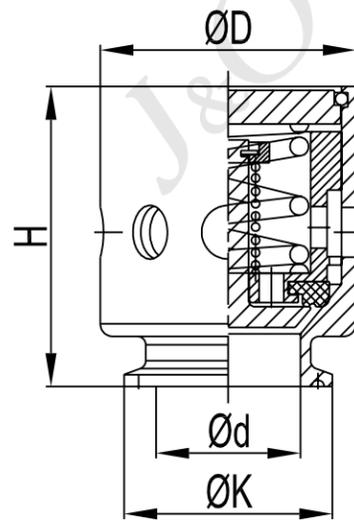
Size	d	K	D	H
0.75"	16.1	34	29.5	75
1"	22.4	34	29.5	75
1.25"	35.1	50.5	48.5	107
2"	47.8	64	48.5	107
2.5"	59.5	77.5	59	121

Size	d	K	D	H
DN20	16.1	34	29.5	75
DN25	22.4	34	29.5	75
DN40	35.1	50.5	48.5	107
DN50	47.8	64	48.5	107

Fixed Type Breather Valve

Size	d	K	D	H
1"	22.4	50.5	62	72
1.25"	35.1	50.5	62	72
2"	47.8	64	62	72

Size	d	K	D	H
DN25	25	50.5	62	72
DN40	37	50.5	62	72
DN50	49	64	62	72



JOV-ABH002-22

Rebreather



Application

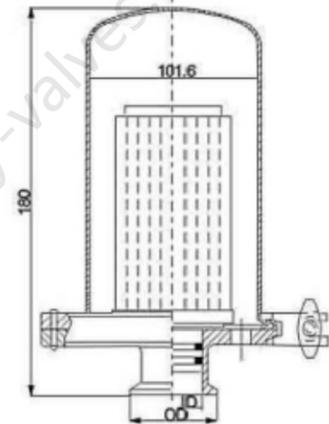
The principle is same as micro- filters. it can prevent the outside particulates coming into the storage tank due to the liquid level descends. it ensures the air purity in the tank

Housing material: 316L304.

Inner surface polish: Ra<0.2µm

Capacity: 0.75m³/ min, 1.5m³/ min, 3m³/ min

Connection ends: Clamped. Flanged



Size	ID	OD
1"	22	50.5
1 1/4"	29	50.5
1.5"	35	50.5
2"	48	64

Level Gauge

Application

The level gauge is mainly applied to the tank equipments. The two same gauges or two different gauges are assembled on the tank so that the liquid condition or capacity can be observed and the sample can be extracted.

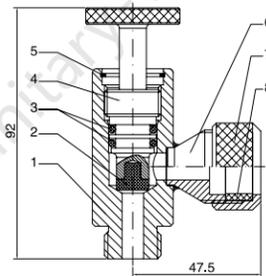
Size: 1/4", 3/8", 1/2", 3/4"

Connections: thread, clamp, weld

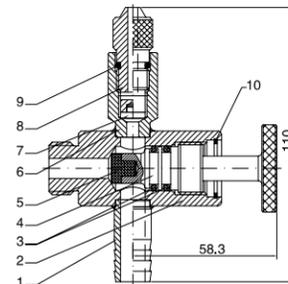
Certificate: PED 97/23/EC, FDA 177.2600

Valve construction

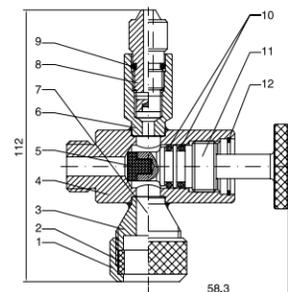
Thread end, Nut end, Weld end, Clamp end.



- 1.Valve body
- 2.Sealing element A
- 3.Gasket B
- 4.Valve shaft
- 5.Jump spring
- 6.Visual tube seat
- 7.Threaded sleeve
- 8.Gasket A



- 1.Hose nipple
- 2.Valve body
- 3.Gasket B
- 4.Valve shaft
- 5.Sealing element A
- 6.Connection seat
- 7.Sealing element B
- 8.Sampling valve shaft
- 9.Gasket C
- 10.Jump spring



- 1.Threaded sleeve
- 2.Gasket A
- 3.Visual tube seat
- 4.Valve shaft
- 5.Sealing element A
- 6.Connection seat
- 7.Sealing element B
- 8.Sampling valve shaft
- 9.Gasket C
- 10.Gasket B
- 11.Valve shaft
- 12.Jump spring

Operation principle

When Turn the hand wheel clockwise, the valve shaft and seal rise up. At this time, valve is open for sampling. When turn the hand wheel anti-clockwise, the valve shaft and seal go down, at that time, the valve

Technical specification

Connections: thread, clamp, weld

Max. pressure: 10bar 145psi

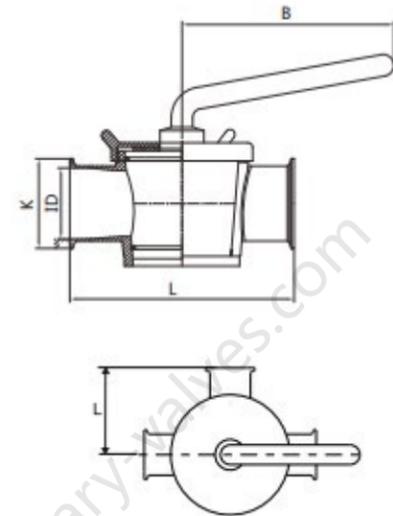
Min. pressure: vacuum

Temperature: - 10°C 50° F 至 120°C / 248°C

Body material: A ISI304 AISI316 L

Seal material: PTFE

Plug Valve



Size	ID	K	L	B
1"	22.1	50.5	57	90
1.5"	34.8	50.5	70	140
2"	47.2	64	80	180
2.5"	60.2	77.5	110	180
3"	72.9	91	115	217

Clean Steam Trap LCW

Features

Pressure-balancing thermostatic steam traps for reactors, sterilizers and clean steam system branches

1. Free flow of condensed water and seamless design in the true sense, which can inhibit the accumulation of bacteria to the greatest extent;
2. The feature of "normally open on failure" minimizes the possibility of shutdown in critical working conditions;
3. The valve nozzle design with large opening can quickly discharge a large amount of air, ensure quick start, prevent clogging, and ensure continuous operation;
4. Compact structure, convenient installation and maintenance;
5. Internal polishing to prevent bacteria from deriving.



Specifications

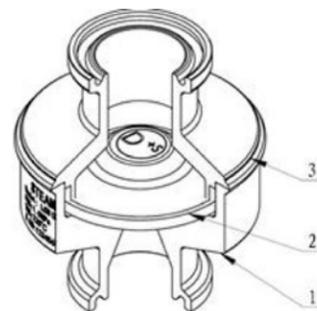
Model	LCW		
Size	1/2"	3/4"	1"
Connection	Clamp (25mm ASME BPE)	Clamp (25mm ASME BPE)	Clamp (50.5mm ISO)
Nominal Pressure (MPa)	1.0	1.0	1.0
Max. Pressure (MPa) PMA	1.0	1.0	1.0
Max. Temperature (°C) TMA	220	220	220
Max. Working Pressure (MPa) PMO	0.8	0.8	0.8
Max. Working Temperature (°C) TMO	176	176	176

4 models available X-Man: A Type - discharge condensate water at 3°C below saturation temperature.
 B Type - discharge condensate water at 5°C below saturation temperature.
 C Type - discharge condensed water at 15°C below saturation temperature.
 D Type - discharge condensed water at 25°C below saturation temperature.

⚠ Note: To avoid abnormal operation, accident or personal injury, please do not use this product beyond the specification range.

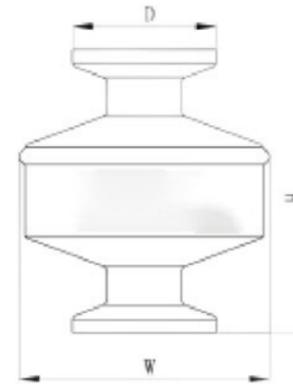
If the technical standards or regulations of the country of use have special regulations on the above specifications, the product should be used in accordance with the local regulations.

No.	Parts	Material
1	lower body	S31603(316L)
2	X-man	304/316L
3	upper body	S31603(316L)



Clean Steam Trap LCW

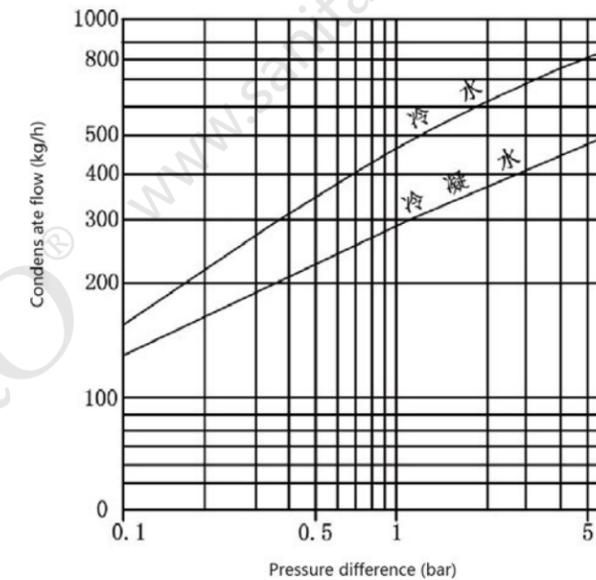
Dimensions



JOV-CST-LCW-22

Size	H	Parts			Weight (kg)
		W	D		
1/2"	49	44	25	0.17	
3/4"	49	44	25	0.19	
1"	53	44	50.5	0.28	

Dimensions



1. Pressure difference: The pressure difference between the inlet and outlet of the trap
2. Recommended safety factor: not less than 2

⚠ Note: Do not operate the trap above the maximum differential pressure or condensate will accumulate.

Clean Steam Trap LC-21

Features

Pressure-balancing thermostatic steam traps for reactors, sterilizers and clean steam system branches.

1. Free flow of condensed water and seamless design in the true sense, which can inhibit the accumulation of bacteria to the greatest extent;
2. The feature of "normally open on failure" minimizes the possibility of shutdown in critical working conditions;
3. The valve nozzle design with large opening can quickly discharge a large amount of air, ensure quick start, prevent clogging, and ensure continuous operation;
4. Compact structure, convenient installation and maintenance;
5. Internal polishing to prevent bacteria from deriving.



Specifications

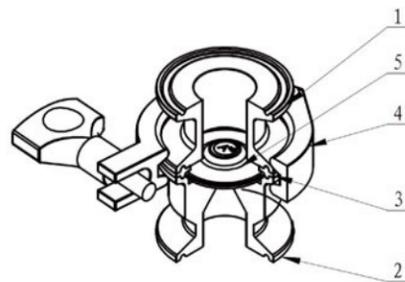
Model	LC-21		
Connection	Clamp (25mm ASME BPE)	Clamp (25mm ASME BPE)	Clamp (50.5mm ISO)
Size	1/2"	3/4"	1"
Nominal Pressure (MPa)	1.0	1.0	1.0
Max. Pressure (MPa) PMA	1.0	1.0	1.0
Max. Temperature (°C) TMA	200	200	200
Max. Working Pressure (MPa) PMO	0.6	0.6	0.6
Max. Working Temperature (°C) TMO	165	165	165

- 4 models available X-Man: A Type - discharge condensate water at 3°C below saturation temperature.
 B Type - discharge condensate water at 5°C below saturation temperature.
 C Type - discharge condensed water at 15°C below saturation temperature.
 D Type - discharge condensed water at 25°C below saturation temperature.

Note: To avoid abnormal operation, accident or personal injury, please do not use this product beyond the specification range.

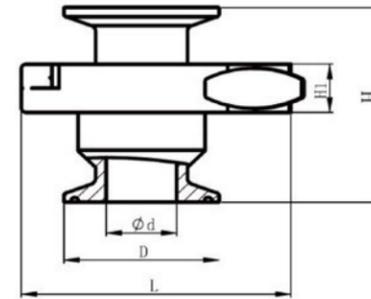
If the technical standards or regulations of the country of use have special regulations on the above specifications, the product should be used in accordance with the local regulations.

No.	Parts	Material	
		Name	Grade
1	upper body	stainless steel	S31603(316L)
2	lower body	stainless steel	S31603(316L)
3	gasket	silicone	VMQ
4	clamp	stainless steel	S31603(316L)
5	X-man	stainless steel	304/316L



Clean Steam Trap LC-21

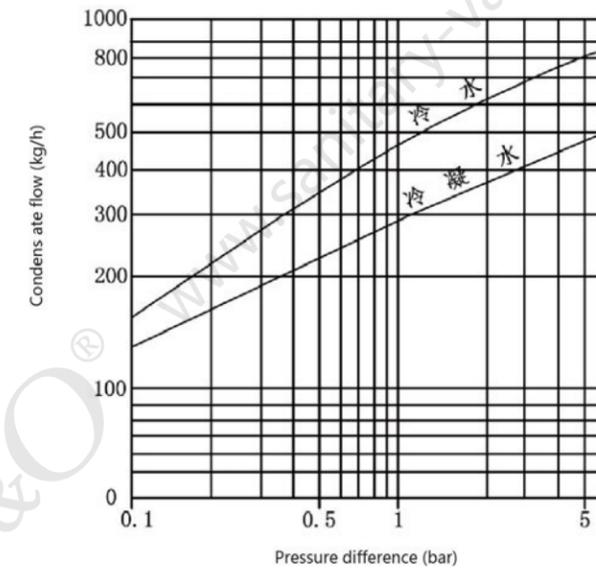
Dimensions



JOV-CSF-LC21-22

Size	Parts					Weight (kg)
	H	d	D	L	H1	
1/2"	51	9.4	25	82	16	0.47
3/4"	51	15.75	25	82	16	0.51
1"	66	22.6	50.5	28	16	0.65

Dimensions



1. Pressure difference: The pressure difference between the inlet and outlet of the trap
2. Recommended safety factor: not less than 2

⚠ Do not operate the trap above the maximum differential pressure or condensate will accumulate.