

-  ISO9001 Certificate from KSA
-  Certificate of KS Mark
-  Certificate of Korea Gas Safety Corp.
-  Type Approval from DNV
-  Type Approval from K.R
-  Type Approval from L.R
-  Manufacturer approved by Korea Occupational Safety & Health Agency
-  Certificate of Korea Electric Power Corporation
-  Maintenance Company approved by Korea Hyro. & Nuclear Power Co., Ltd.
-  EM Mark
-  Certificate of NBBI Safety Valve Capacity
-  Type Approval from B.V
-  "UV" Stamp for ASME Sec.VIII



JOKWANG I.L.I. CO., LTD
www.jokwang.co.kr

Jokwang I.L.I Co., Ltd.

618-270 1650-8, Songjung-dong, Kangseo-ku, Pusan
 TEL : +81-051-602-0248 FAX : +81-051-831-0799
<http://www.jokwang.co.kr>
 E-mail : trade@jokwang.co.kr



Your Business Partner
JOKWANG



JOKWANG I.L.I. CO., LTD

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INTRODUCTION OF COMPANY

Our Company was established in the name of JOKWANG INDUSTRIES in 1968.

In 1987, it was approved as an authorized manufacturer of KS (Korea Standard) Marking valves. We have started the technical collaboration with VENN which is the valve manufacturer with long history in Japan from 1992.

JOKWANG was designated as the valve manufacturer for Korea Nuclear Power Plants – KEPCO according to ASME B 31.1 in 1993.

In 2000, company name was changed to JOKWANG I.L.I CO., LTD.

JOKWANG was registered on the KOSDAQ market as a venture company in 2001.

We are the only one special valve maker registered on the KOSDAQ in Korea.

Korea Government (Ministry of Knowledge Economy) had selected JOKWANG among the safety valve makers in Korea to localize the MSSV (Main Steam Safety Valve) for Nuclear Power Plant in 2002.

With financial support of Korea Government, we have tried to localize it for a long time and then it was developed in 2006.

At present time, we have been developing the Cryogenic Safety Relief Valve for LNG/LPG service.

COMPANY HISTORY

- Nov. 1968** Founded Jokwang Industries Company with Steam Traps and Pressure Reducing Valves in Busan
- Apr. 1975** Registered and obtained 11 Utility Models of Steam Traps, Pressure Reducing Valves and Safety Valves
- Jul. 1985** Enlisted the qualification as a membership Korea Standard Association(K.S.A)
- Oct. 1988** Obtained the ISO 9001 certificate (TUV/GERMANY)
- Oct. 1999** Obtained the EM Mark (Bellows Type Safety Valve)
- Jan. 2000** Changed the company name to "JOKWANG I.L.I CO., LTD."
- Jan. 2001** Registered on the KOSDAQ Stock Market as Venture Company
- Nov. 2003** Obtained the Type Approval for Safety Valve from DNV (Det Norske Veritas, Norway)
- Jan. 2004** Certified the Discharge Capacity Coefficient for Safety Relief Valve of "K" value by NBBI in USA
- Mar. 2004** Obtained the Type Approval for Safety Valve from BV (Bureau Veritas, France)
- Jun. 2004** Obtained the Type Approval for Safety Valve from LR (Lloyd's Register, UK)
- Mar. 2006** Developed and localized for the Main Steam Safety Valve (MSSV).
- May. 2006** Acquired "UV" Stamp on ASME sec. VIII Boiler and Pressure Vessel code
- Jun. 2006** Acquired Capacity "Certificate of Safety Relief Valve" from NBBI
- Jun. 2006** Obtained "Practical Utility Patent" for Pilot-Operated Safety Valve
- Mar. 2007** Renewed ISO 9001 Certificate from KSA
- Apr. 2007** Opened Shanghai branch
- Jan. 2008** Completed the BAAN ERP system
- Nov. 2008** Awarded the export monument from Korea Government
- Dec. 2009** Designated to the "Promising Export Firm" from Small & Middle Business Administration of Korea.

JOKWANG

TOTAL CONTROL



JOKWANG I.L.I. CO., LTD
www.jokwang.co.kr

Established in November 1968

1968



1992

Technical cooperation with VENN, Japan

1987



Acquired the permission to use of **KS** marking systems

1993



JOKWANG I.L.I CO., LTD.

ISO 9001 Acquired the certifications (TÜV)

1998

2000

1996

Developed bellows type safety valve and industry-based technologies

1999

Acquired the **EM Mark**



2004

KEPIC Acquired the qualification

2006



Completed development of Main Steam Safety Valve (**MSSV**)



Incorporated as Jokwang Industry Co., Ltd.

1994

Approved as a manufacturer of power generating facilities for KEPCO(Korea Electric Power Corporation), nuclear power, and hydraulic & thermal power

1996

Approved as a manufacturer of power generating facilities for KEPCO(Korea Electric Power Corporation), nuclear power, and hydraulic & thermal power

Initiated to develop the localization of Main Steam Safety Valve for nuclear power plant(Joint research with Ministry of Commerce, Industry and Energy and KEPRI(Korea Electric Power Research Institute))

Incorporated as corporation and changed its name as JOKWANG I.L.I CO., LTD.

2002

2001

Listed on **KOSDAQ**



UV ASME stamp Acquisition
NBBI Certification of capacity

2006



2009

Cryogenic safety valve for LNG/LPG service is completely developed.

2007

ERP System (LN) Introduction



JSV-LT12 LOW LIFT TYPE SAFETY RELIEF VALVE

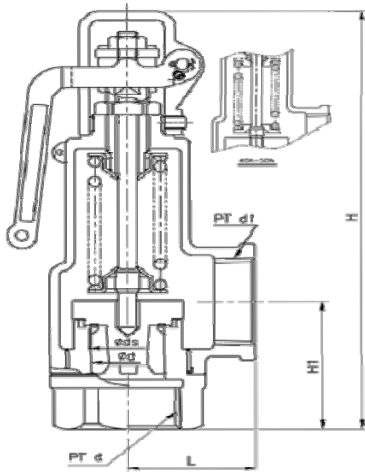


It is mainly used as safety valve for small boilers, various pressure containers and instrumentation devices and Relief Valve for pumps.

Features

1. Easy to pipe owing to its reduced size and weight realized through a compact design.
2. Easy to repair and maintain owing to its simple structure and precise operation.
3. Sheets and disks are made of forged brass and no leak is found due to its thorough processing.
4. Adjusting spring ensures the precise operation as it is manufactured within the maximum acceptable stress range of its material.
5. It is a product certified by KOSHA (Korea Occupational Safety & Health Agency).

STRUCTURE



DEMENSIONS

Marking Size	d	ds	L	H ₁	H	Lift ℓ	Inlet	Outlet
15A	20	21	35	45	142	1.0	PT ½"	PT ¾"
20A	20	21	35	45	144	1.0	PT ¾"	PT ¾"
25A	25	26	41	49	155	1.7	PT 1"	PT 1"
32A	32	33	45	58	173	2.2	PT 1¼"	PT 1¼"
40A	40	40	55	64	198	2.3	PT 1½"	PT 1½"
50A	50	51	70	74	220	2.5	PT 2"	PT 2"

SPECIFICATION

Type	Applicable Fluid	Applicable Pressure Kgf/ cm ² {MPa}	Max Temperature (°C)	Material		Connection	Body Hydraulic Pressure Test
				Material	Main Part		
Lever Type	Steam & Air Liquid	0.35~1.0 {0.035~0.1}	220	FORGED BRASS	CAST BRONZE	KS B 0222 According to the size of taper screw for pipe	22kgf/cm ² {2.2Mpa}
Non-Lever Type		1.0~3.0 {0.1~0.3}					

JSV-HT41 HIGH LIFT TYPE SAFETY RELIEF VALVE

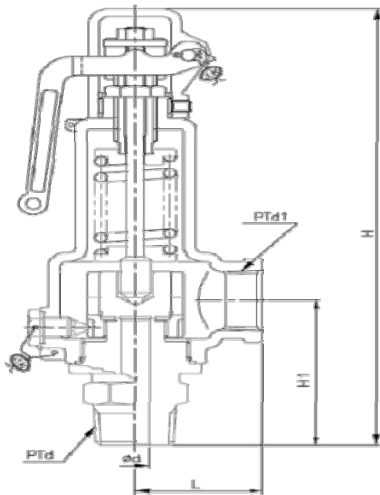


It is appropriate to use as Safety Valve for high pressure containers, Relief Valve for pumps and Safety Valve for instrumentation devices.

■ Features

1. Easy to pipe owing to its reduced size and weight.
2. Easy to repair and maintain owing to its simple structure.
3. Easy to adjust.
4. Adjusting spring ensures the precise operation as it is manufactured within the maximum acceptable stress range of its material.
5. It is a product certified by KOSHA (Korea Occupational Safety & Health Agency).

STRUCTURE



DEMENSIONS

Marking Size	ds	L	H ₁	H	Lift ℓ	Inlet	Outlet
15A	14	42	62	191	0.8	PT ½"	PT ¾"
20A	14	42	64	193	0.8	PT ¾"	PT ¾"
25A	19	44	70	201	1.2	PT 1"	PT 1"
40A	26	57	85	267	2.2	PT 1½"	PT 1½"
50A	33	65	102	304	4.5	PT 2"	PT 2"

SPECIFICATION

Type	Applicable Fluid	Applicable Pressure Kg/ cm ² {MPa}	Max Temperature (°C)	Material		Connection	Body Hydraulic Pressure Test
				Body & Trim	Bonnet		
Lever Type	Steam, Air	0.5~5.0 {0.05~0.5}	220	STAINLESS STEEL	CAST BRONZE	KS B 0222 According to the size of taper screw for pipe	66kgf/cm ² {6.6MPa}
Non-Lever Type	Liquid, Gas	5.0~15.0 {0.5~1.5}		STAINLESS STEEL	CAST BRONZE		

※ Applicable pressure range from 33kgf/ cm²{3.3MPa} to 72kgf/ cm²{7.2MPa} could be available upon request. (MODEL : JSV – HT51, HT71)

JSV-FF21 FULL BORE TYPE SAFETY RELIEF VALVE

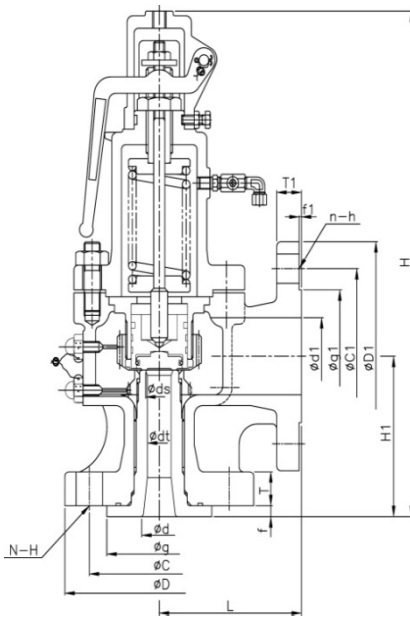


It is mainly used as Safety Valve for high-volume steam boilers, various pressure containers and instrumentation devices, and Relief Valve for pumps.

Features

1. It is a product designed and manufactured in accordance with the standard for safety valves for KS B 6216 steam and gas spring.
2. The discharging test of lever type product can be carried out manually under a pressure over 75% of discharging pressure.
3. Discharging capacity of this valve is higher than low and high lift type.
4. Trim parts show excellent performance as they are precisely processed with excellent material.
5. It is a product certified by KOSHA (Korea Occupational Safety & Health Agency)

STRUCTURE



DEMENSIONS

Marking Size	D	d ₁	D _s	d _t	L	H ₁	H	Lift t ℓ	Inlet	Outlet
15 ^a x25 ^a	15	25	14.5	11.5	96	88	289	3	KS B 1511 Produced according to the standards for pipe flange	KS B 1511 Produced according to the standards for pipe flange
20 ^a x40 ^a	20	40	17.5	15	100	100	299	3.75		
25 ^a x50 ^a	25	50	22	19	100	104	338	4.75		
32 ^a x65 ^a	32	65	29	24	115	119	406	6		
40 ^a x65 ^a	40	65	35	30	115	119	406	7.5		
50 ^a x80 ^a	50	80	44	38	128	130	476	9.5		
65 ^a x100 ^a	65	100	57	49	144	150	565	12.25		
80 ^a x125 ^a	80	125	71	61	162	168	622	15.25		
00 ^a x1501 ^a	100	150	88	76	190	203	731	19		
125 ^a x200 ^a	125	200	114	95	220	232	907	24		
150 ^a x200 ^a	150	200	133	115	225	230	953	28.75		
200 ^a x250 ^a	200	250	175	150	285	280	1121	37.5		
250 ^a x350 ^a	250	350	230	200	400	325	1720	50		
300 ^a x400 ^a	300	400	275	238	410	350	1550	59.5		
350 ^a x450 ^a	350	450	322	280	500	400	1800	70		

SPECIFICATION

Type	Applicable Fluid	Applicable Pressure Kgf/ cm ² {MPa}	Max Temperature (°C)	Material		Connection	Body Hydraulic Pressure Test
				Material	Main Part		
Lever Type	Steam, Air	0.35~1.0 {0.035~0.1}	① 250	CAST CARBON STEEL	STAINLESS STEEL	<Inlet> According to the standard of pipe flange, KS B 1511 <Outlet> According to the standard of 10K pipe flange, KS B 1511	44kgf/cm ² {4.4Mpa}
Non-Lever Type	Liquid, Gas	1.0~3.0 {0.1~0.3}					

※ KS B 6216 or ANSI flange could be available upon request. (①Bonnet will be changed to Open type from Closed type for temperature above 235°C.)

JSV-BF31 BALANCED BELLOWS TYPE SAFETY RELIEF VALVE

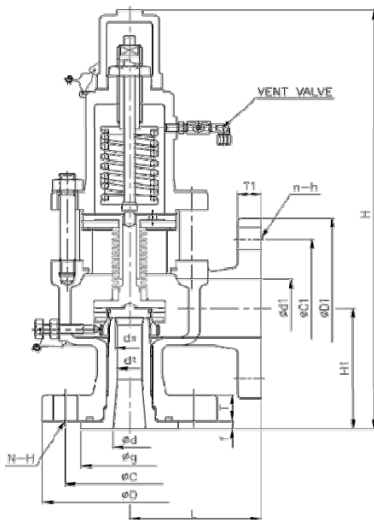


It is mainly used for various pressure containers, instrumentation devices and piping in petroleum, gas and chemical plants, and is used also, in particular, for the places that are impacted by back pressure, and other places where no fluid discharge to the outside of safety valve is permitted. It can be used for the places where spring can be eroded or transformed due to corrosion or temperature of fluid, too.

■ Features

1. It is a product designed and manufactured in accordance with the standard of KS B 6216, "Safety Valve for Steam and Gas".
2. Its structure is made to the bellows of balanced structure and is not impacted by back pressure.
3. As discharged fluid is not discharged to the outside of main body of safety valve, it can be used for toxic gas or combustible gas.
4. Discharging capacity of this valve is higher than low and high lift type.
5. Its corrosion resistance is excellent as main material of the trim part is STS 316.

STRUCTURE



DEMENSIONS

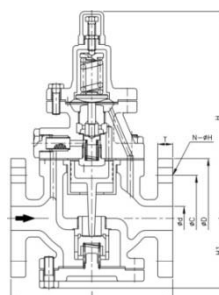
Size	d	d ₁	d _s	d _t	L	H ₁	H	Lift l	Inlet	Outlet
20 ^a x40 ^a	20	40	17.5	15	100	100	337	3.78	KSB 1511 Produced according to the standards for pipe flange	KSB 1511 Produced according to the standards for pipe flange
25 ^a x40 ^a	25	40	22	19	100	104	380	4.75		
25 ^a x50 ^a	25	50	22	19	100	104	380	4.75		
40 ^a x65 ^a	40	65	35	30	117	119	473	7.5		
50 ^a x80 ^a	50	80	44	38	131	130	546	9.5		
65 ^a x100 ^a	65	100	57	49	146	150	638	12.25		
80 ^a x125 ^a	80	125	71	61	162	168	693	15.25		
100 ^a x150 ^a	100	150	88	76	190	203	819	19.0		
150 ^a x200 ^a	150	200	133	115	228	230	1011	28.75		
200 ^a x250 ^a	200	250	175	150	275	280	1178	37.5		

SPECIFICATION

Type	Applicable Fluid	Applicable Pressure Kgf/cm ² {MPa}	Max Temperature (°C)	Material		Connection	Body Hydraulic Pressure Test
				Body	Trim Part		
Balanced Bellows	GAS, LIQUID	0.7~1.0 {0.07~0.1} 1.0~3.0 {0.1~0.3} 3.0~6.0 {0.3~0.6} 6.0~12.0 {0.6~1.2} 12.0~22.0 {1.2~2.2}	400	CAST STEEL	STAINLESS STEEL	<Inlet> According to the standard of pipe flange, KS B 1511 <Outlet> According to the standard of 10K pipe flange, KS B 1511	44kgf/cm ² {4.4Mpa}

※ KS B 6216 or ANSI flange could be available upon request.

JRV-SF11/21 PRESSURE REDUCING VALVE



MATERIALS

NO	MODEL		JRV – SF11	JRV – SF21
	PART NAME			
1	Body		CAST IRON	CAST STEEL
2	Bonnet		CAST IRON	CAST STEEL
3	Disc		STAINLESS STEEL	STAINLESS STEEL
4	Seat		STAINLESS STEEL	STAINLESS STEEL
5	Stem		CAST BRONZE	CAST BRONZE or CAST IRON
6	Stem Guide		CAST BRONZE	CAST ST. ST
7	Diaphragm		STAINLESS STEEL	STAINLESS STEEL
8	Spring		STAINLESS STEEL	STAINLESS STEEL
9	O-Ring		STAINLESS STEEL	STAINLESS STEEL
10	Adjust Screw		BRASS	BRASS
11	Cap		CARBON STEEL	CARBON STEEL
12	Plug		CAST IRON	CAST IRON
1. INLET PRESSURE			2~10kgf / cm ² {0.2~1.0MPa}	2~20kgf / cm ² {0.2~2.0MPa}
2. OUTLET PRESSURE			0.35~1.0, 1.0~8.0kgf / cm ² {0.035~0.1, 0.1~0.8MPa}	0.35~16.0kgf / cm ² {0.035~16.0MPa}
3. MAX REDUCING RATIO			10 : 1	10 : 1
4. WORKING TEMP			Max 220	Max 300
5. WORKING FLUID			S	S
6. CONNECTION			10K FF Flanged	20K RF Flanged

FLUID SYMBOL

1. S : Steam

SPECIFICATIONS

1. Secondary pressure must be less than 80% of primary pressure.

2. Minimum pressure differential between inlet and outlet of valve :
0.7kgf / cm²{0.07MPa}

3. Leakage allowance :
Less than 0.05% of rated flow

4. Pressure resistance test of main body :
JRV – SF11 : 15kgf/cm²{1.5MPa}
JRV – SF21 : 30kgf/cm²{3.0MPa}

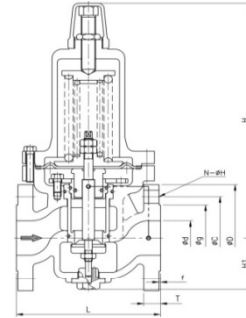
5. ANSI, DIN flanges are available upon Request.

DIMENSIONS

MODEL	SIZE		15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A
	PART													
JRV – SF11	L		165	165	170	185	200	220	250	290	340	390	420	550
	H ₁		75	75	75	85	85	92	110	130	150	180	195	250
	H		270	270	270	275	275	283	310	350	370	500	535	615
JRV – SF21	L		200	200	200	255	230	250	280	310	320	350	395	560
	H		83	83	83	108	108	113	123	137	140	148	181	250
	H ₁		292	292	292	307	301	325	366	445	445	459	466	620
	CV		1	2.5	4	6.5	9	16	25	36	64	100	144	256

JRV-SF24D, 24P PRESSURE REDUCING VALVE


JRV-SF24D

JRV-SF24P


MATERIALS

NO	PART NAME	MODEL	
		JRV - SF24D	JRV - SF24P
		Diaphragm Type	Piston Type
1	Body	CAST IRON	
2	Bonnet	CAST IRON	
3	Disc	SYNTHETIC RUBBER	
4	Seat	CAST STAINLESS STEEL	
5	Stem	STAINLESS STEEL	
6	Stem Guide	CAST BRONZE	
7	Diaphragm	SYNTHETIC RUBBER	
8	Spring	CARBON STEEL	
9	O-Ring	SYNTHETIC RUBBER	
10	Adjust Screw	BRASS	
11	Cap	CAST IRON	
12	Plug	CAST BRONZE	
1. INLET PRESSURE		Max 20kgf / cm ² {2.0MPa}	
2. OUTLET PRESSURE		0.5~4.0, 4.0~7.0kgf / cm ² {0.05~0.4, 0.4~0.7MPa}	
3. MAX REDUCING RATIO		10 : 1	
4. WORKING TEMP		80°C	
5. WORKING FLUID		A. W. NL	
6. CONNECTION		20K RF Flanged	

FLUID SYMBOL

1. A : Air
2. W : Water
3. NL : Noncorrosive Liquid

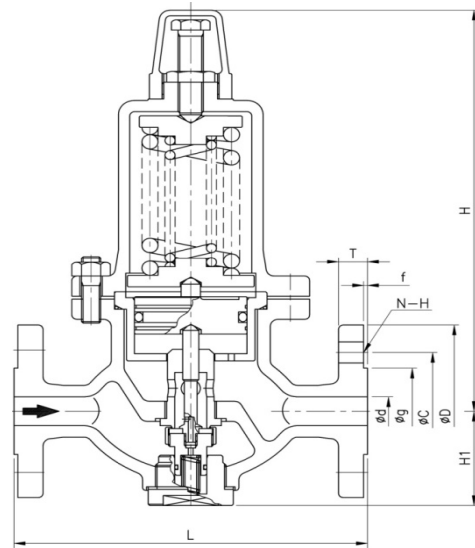
SPECIFICATIONS

1. The minimum pressure differential between inlet and outlet of valve : 0.5kgf/cm²{0.05MPa}
2. Minimum adjustable flow rate :
Water 2~5ℓ /min
Air 5~10Nm³/h
3. Hydrostatic test pressure : 30kgf/cm²{3.0MPa}
4. Maximum viscosity : under 800 cSt
5. Produced at below 150°C
Piston Type is possible upon request.
6. 7.kgf/cm²~12.0kgf/cm² Cv value is excluded

DIMENSIONS

PART	SIZE	SIZE									
		20A	25A	32A	40A	50A	65A	80A	100A	125A	150A
L		159	159	179	179	240	278	316	354	440	470
H ₁		62	62	70	70	75	100	100	125	150	160
H		255	265	335	335	345	405	420	475	585	615
D		142	142	174	174	174	218	218	250	340	340
Cv	4.0~7.0kgf/cm ²	1	2	3.5	5.5	8	14	22	32	48	75
	4.0~7.0kgf/cm ²	2	3.5	5.5	8	14	22	32	-	-	-

JRV-SF31 PRESSURE REDUCING VALVE



This model is a direct operated pressure reducing valve suitable for application at the high pressured air and gas service line up to 30kgf/ cm^2 {3MPa} & requiring the stable flow from small one to large capacity. The pressure balanced disc constantly and stably regulates the secondary pressure, regardless of the primary pressure variation.

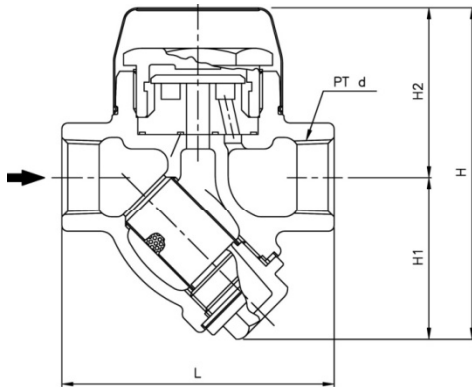
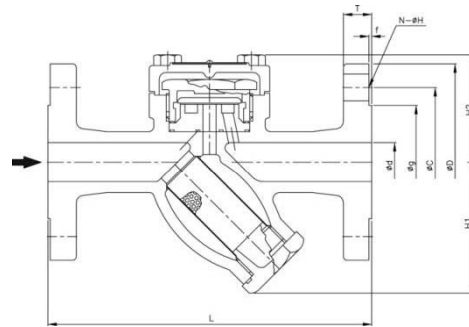
SPECIFICATIONS

1. Applicable fluid: Air, Gas, Liquid
2. Primary pressure : MAX 30kgf/ cm^2 {3.0MPa}
3. Adjustable range of secondary pressure :
0.35~5.0kgf / cm^2 {0.035~0.5MPa}
5~15.0kgf / cm^2 {0.5~1.5MPa}
4. Applicable temperature :
MAX 80°C
5. Maximum reducing rate : 10 : 1
6. The minimum pressure differential between inlet and outlet of valve : 0.5kgf / cm^2 {0.05MPa}
7. Connecting : KS, 10K, 20K, 30K, FLANGED
8. Material : Body – cast steel
Trim part – stainless steel, NBR
9. Hydrostatic test pressure :
1.5 times than the flange pressure rating

DIMENSIONS

SIZE	FLANGED	L	H	H	A	Cv	WEIGHT(kg)
15A	10K	208	67	284	148	1	15.0
	20K	212					
	30K	220					
20A	10K	212	67	284	148	2.5	15.5
	20K	216					
	30K	220					
25A	10K	214	67	284	148	4	16.0
	20K	218					
	30K	226					
32A	10K	256	85	328	166	6.3	25.5
	20K	260					
	30K	268					
40A	10K	256	85	328	166	8	25.5
	20K	260					
	30K	268					

JTR-DT22, DF21 DISC TYPE STEAM TRAP

JTR-DT22

JTR- DF21


MATERIALS

NO	MODEL	JTR - DT22, DF21
	PART NAME	
1	Body	DUCTILE IRON or CAST IRON
2	Insulation Cap	STAINLESS STEEL
3	Cap	STAINLESS STEEL
4	Disc	STAINLESS STEEL
5	Seat	STAINLESS STEEL
6	Screen	STAINLESS STEEL
7	Plug	CAST IRON or FORGED BRASS
8	Gasket	TEFLON

SPECIFICATIONS

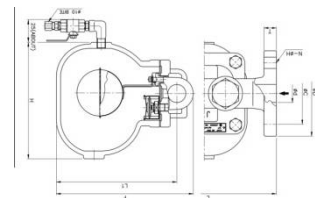
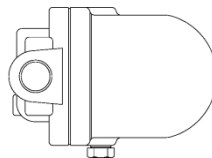
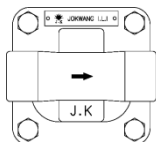
- WORKING PRESSURE : MAX 16kgf / cm²{1.6MPa}
MIN 0.35kgf / cm²{0.035MPa}
 - WORKING TEMPERATURE : MAX 220°C
 - CONNECTION
JTR - DT22 : SCREWED
JTR - DF21 : FLANGED
 - HYDROSTATIC TEST PRESSURE : 24kgf / cm²{2.4MPa}
- * One-touch cap (Round, head) for size 15~25mm
* Bolted cap (square head) for size 32~50mm

DIMENSIONS

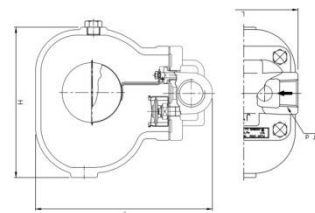
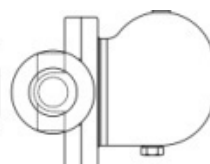
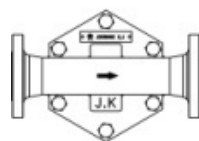
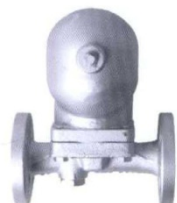
MODEL	JTR - DT22						JTR - DF21					
SIZE PART	15A	20A	25A	32A	40A	50A	15A	20A	25A	32A	40A	50A
d	PT½"	PT¾"	PT1"	PT1¼"	PT1½"	PT2"	15	20	25	32	40	50
L	90	95	100	175	180	195	136	140	150	245	260	265
H ₁	56	58	58	103	112	130	53	56	58	103	112	130
H	112	117	121	185	206	233	113	118	124	195	206	233
CONNECTION	KS B 0222 PT SCREWED						KS B 1511 16K FF FLANGED			KS B 1511 10K FLANGED		

JTR-FT12, FF12 BALL FLOAT STEAM TEAP

JTR-FT12



JTR-FF12



MATERIALS

NO	PART NAME	JTR – FT12, FF12
1	Body	CAST IRON
2	Bonnet	CAST IRON
3	Seat	C.STAINLESS STEEL
4	Seat Body	C.STAINLESS STEEL
5	Disc	STAINLESS STEEL
6	Stem	STAINLESS STEEL
7	Ball	STAINLESS STEEL
8	Lever	C.STAINLESS STEEL
9	Gasket	NON-ASBESTOS
10	Bolt	CARBON STEEL
11	Air Vent Ass'y	STAINLESS STEEL

SPECIFICATIONS

- WORKING PRESSURE :
4.5kgf / cm²{0.45MPa}
10kgf / cm²{1.0MPa}
14kgf / cm²{1.4MPa}
- WORKING TEMP : 220°C
- CONNECTION
JTR – FT12 : SCREWED
JTR – FF12 : FLANGED
- HYDROSTATIC : 1.5 times than the pressure rating
- Flow direction of fluid

15A~25A	32A~50A
Left → Right	Right → Left

DIMENSIONS

MODEL	JTR – FT12						JTR – FF12					
PART \ SIZE	15A	20A	25A	32A	40A	50A	15A	20A	25A	32A	40A	50A
d	PT½"	PT¾"	PT1"	PT1¼"	PT1½"	PT2"	15	20	25	32	40	50
L	120	120	120	270	270	300	200	200	215	320	320	360
H ₁	110	110	195	240	240	260	110	110	195	240	240	260
H ₂	170	170	220	295	295	310	170	170	220	295	295	310
CONNECTION	KS B 0222 PT SCREWED						KS B 1511 10K FF FLANGED					

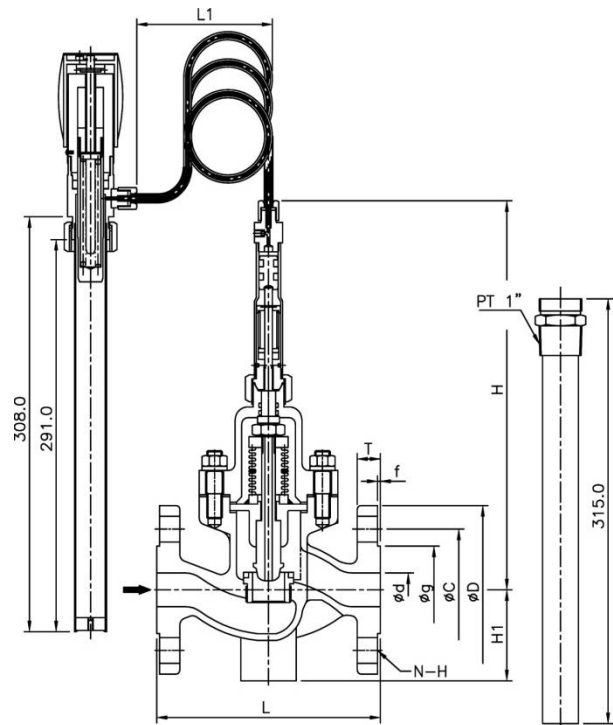
JTC-DF13 Bellows Temperature Control Valve



For 2-Way Temperature Control Valve, when using single seat, its application pressure is limited as operational force of sensor is reduced by the pressure to seat, and when using double seat, there are problems related to the manufacturing, seat leakage and precision of control. Therefore, by using pressure balanced single seat with bellows, the problems can be resolved and, in addition, the temperature range can be widened, control precision be enhanced and the product's size could be more compact..

SPECIFICATIONS

1. WORKING PRESSURE : MAX. 10kgf / cm²
2. WORKING TEMP : 220°C
3. Fluid : Steam
4. Temperature Adjustable Ranges : 40°C ~110°C
5. Cap. Tube Length : 2M, 5M
6. Material : Body-Bronze, Ductile, Cast Steel
Bellows-SUS304
7. Leakage : ≤0.05% of Cv
8. Seat : Single Seat (Linearity)



DIMENSIONS

SIZE	φd	L			H1	H	ℓ
		5K	10K	16K			
15A	15	154	160	160	55	380	2M,5M
20A	20	152	160	160	55	380	2M,5M
25A	25	157	165	165	67.5	390	2M,5M
32A	32	172	180	180	75	410	2M,5M
40A	40	187	195	195	75	410	2M,5M