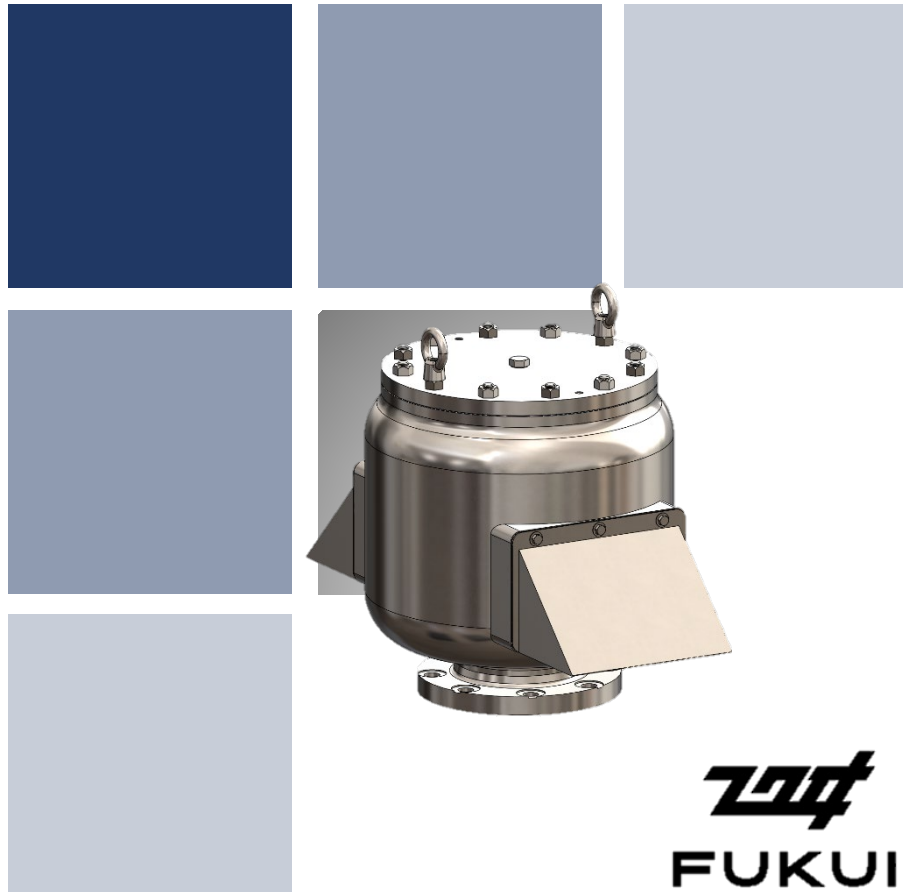




FUKUI

FVDW Series

Contents

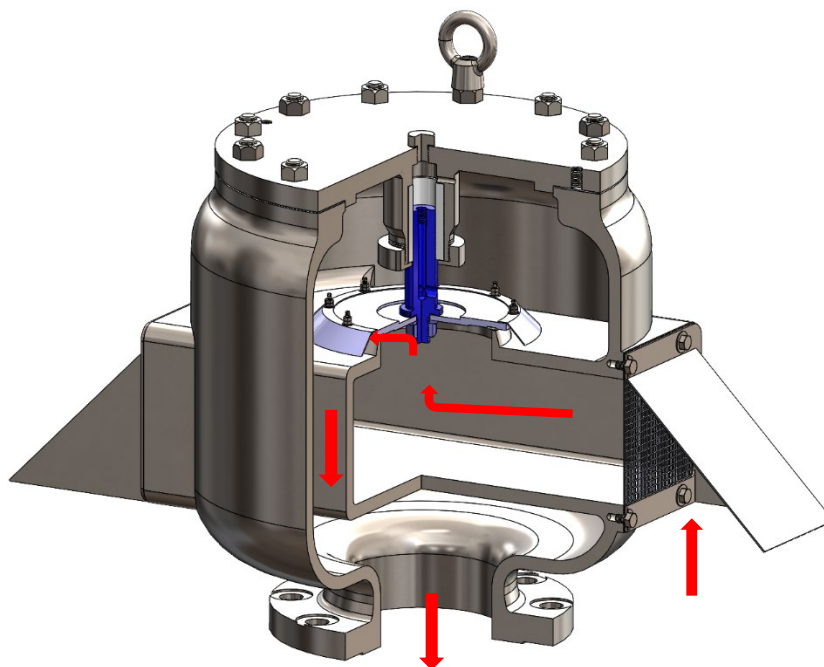
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◆ Features

The FVDW series is a weight-loaded vacuum breaker valve used at low pressure.

◆ Structure

- ◆ Vacuum operation
- ◆ Weight-loaded type
- ◆ Metal seat

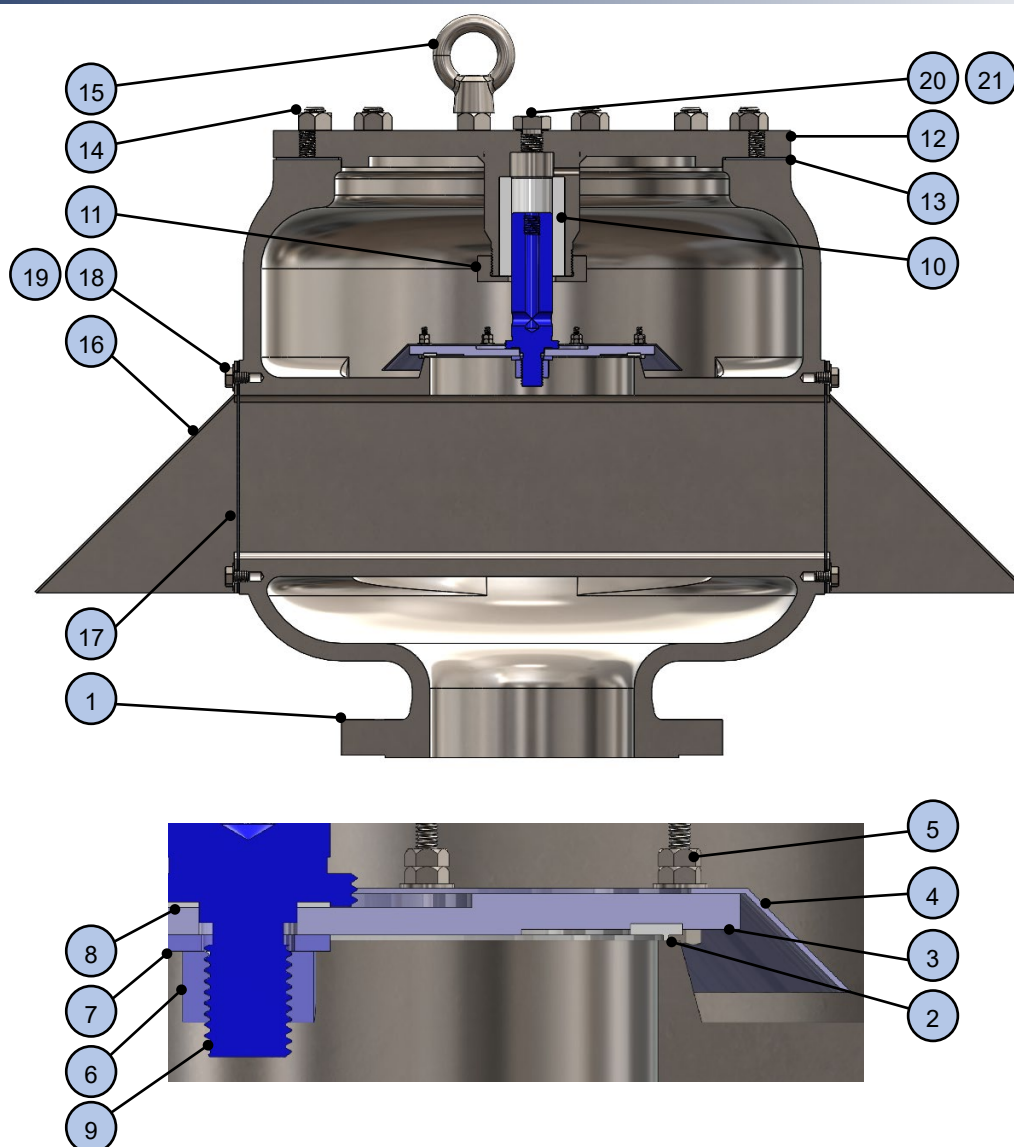


Structural drawing

◆ Type code

FVDW	1	6	1	-C5	(A)							
					Cap code							
					(A)							
					Material code							
					Blank	A216-WCB (SCPH2)		-S1	A351-CF8M (SCS14A)			
					-C5	A352-LCB (SCPL1)		-S2	A351-CF3 (SCS19A)			
					-S	A351-CF8 (SCS13A)		-S3	A351-CF3M (SCS16A)			
					Connection code							
					1	ASME Flange		4	JIS Flange	9	JIS B 8210 (1986) Flange	
					2	JPI Flange		5	Special	0	JIS B 8210 (1994) Flange	
					Temperature class code (determined by discharge temperature)						Unit: °C (°F)	
					3	-196 (-320) ≤ T < -101 (-150)				5	-60 (-75) ≤ T < -29 (-20)	
					4	-101 (-150) ≤ T < -60 (-75)				6	-29 (-20) ≤ T < 232 (450)	
Pressure class code												
1	Class 150 or JIS 10K			2	Class 300 or JIS 20K		3	Class 300 or JIS 30K				
Type code												
FVDW												

Cross-sectional View and Standard Material



No.	Part name	Material	No.	Part name	Material
1	Body	SCPH2	12	Cover	SA105M.SUS304
2	Seat	SUS304	13	Cover gasket	V7010
3	Disc	A5052	14	Stud bolt, nut	SNB7.S45C
4	Disc retainer	SUS304	15	Eye nut	SS400
5	Retainer bolt, nut	SUS304	16	Hood	SUS304
6	Disc nut	SUS304	17	Screen	SUS304
7	Disc washer	SUS304	18	Bolt, nut	SUS304
8	Disc gasket	V7010	19	Washer	SUS304
9	Spindle	A5052	20	Plug	SS400
10	Guide	V7010	21	Gasket	V7010
11	Guide nut	SUS304	22	—	—

* This shows a general structure. The structure may vary depending on the size.

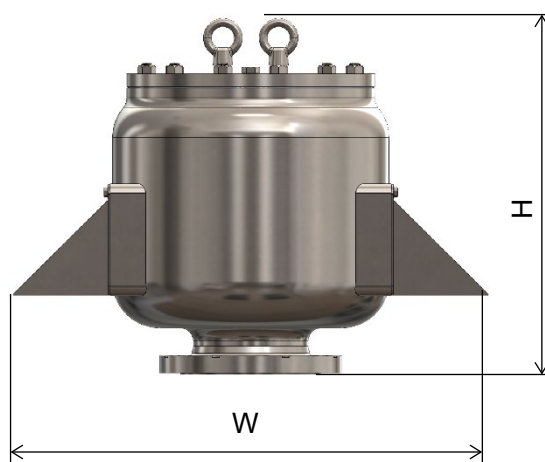
Actual Area

Size	Seat diameter (mm)	Lift (mm)	Area (mm ²)
1.1/2	40	10.0	1256.6
2	52	12.5	1963.4
3	76	20.0	5026.5
4	102	25.0	7853.9
6	153	37.5	17671.4
8	204	50.0	31415.9
10	264	62.5	49087.3
12	304	75.0	70685.0

Pressure-temperature Rating

Size	Pressure (kPa)		Temperature (°C)	
	Minimum	Maximum	Minimum	Maximum
1.1/2 2 3 4 6 8 10 12	-0.5	-2.5	-29	120

Dimensions and Weight



Dimensions and Weight			Units: mm, kg
Size	H	W	Approximate weight
2.1/2	210	250	10
2	280	300	15
3	360	445	40
4	410	565	60
6	460	730	125
8	660	870	150
10	840	1230	290
12	1070	1300	650



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The product photos, structures, etc. in this document show representative examples. Product specifications in the catalog are subject to change without notice for product improvement or quality enhancement.