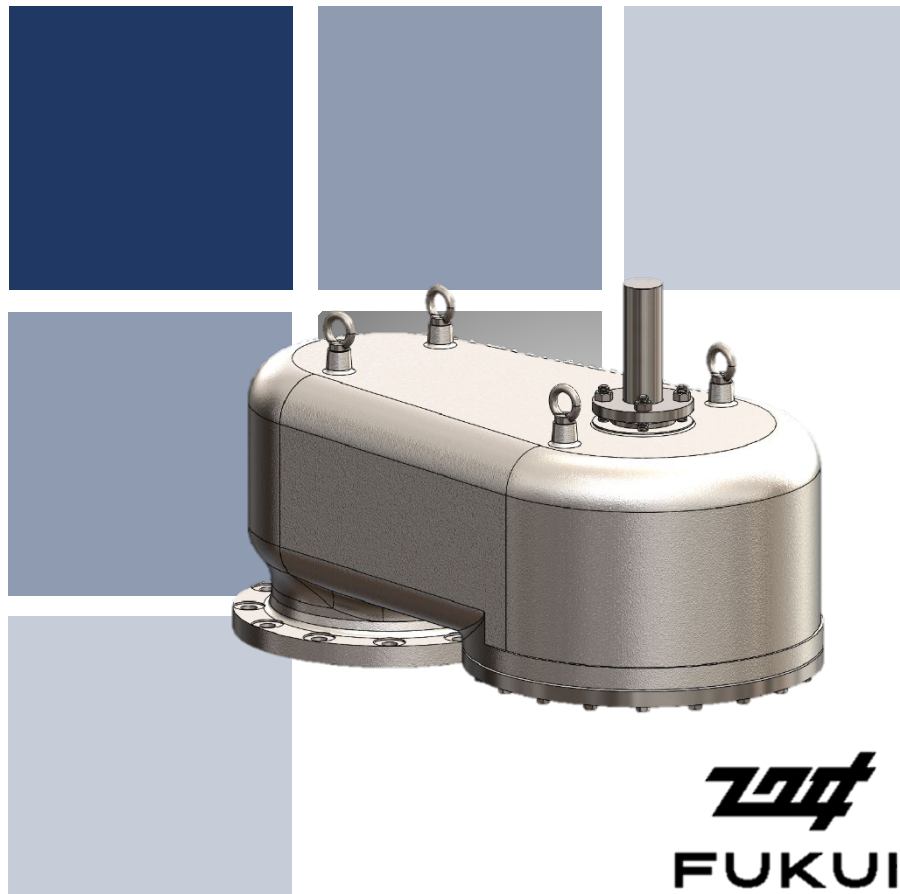




FUKUI

EVDW Series

Contents

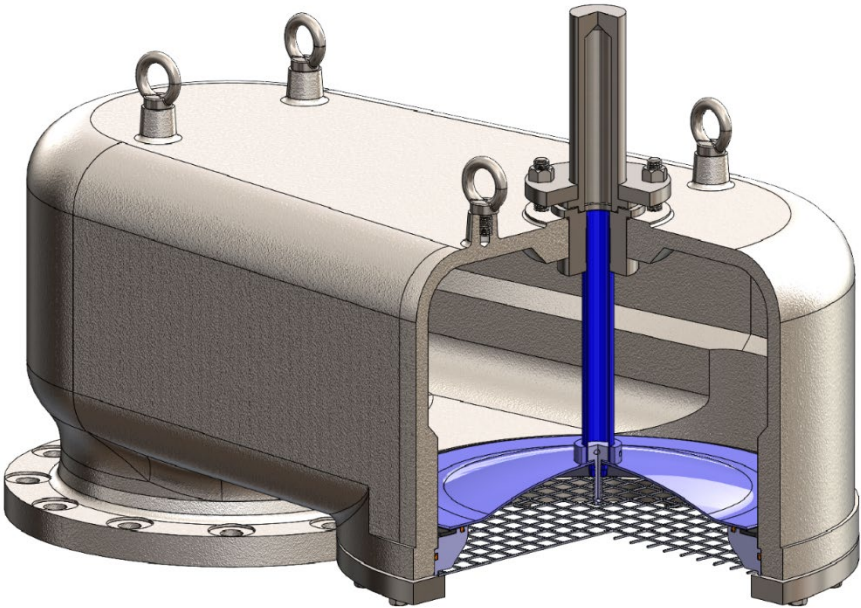
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◆ Features

The EVDW series is a weight-loaded vacuum breaker valve developed for low-pressure tanks.
It has a large area and suction capacity, making it possible to minimize the bore.

◆ Structure

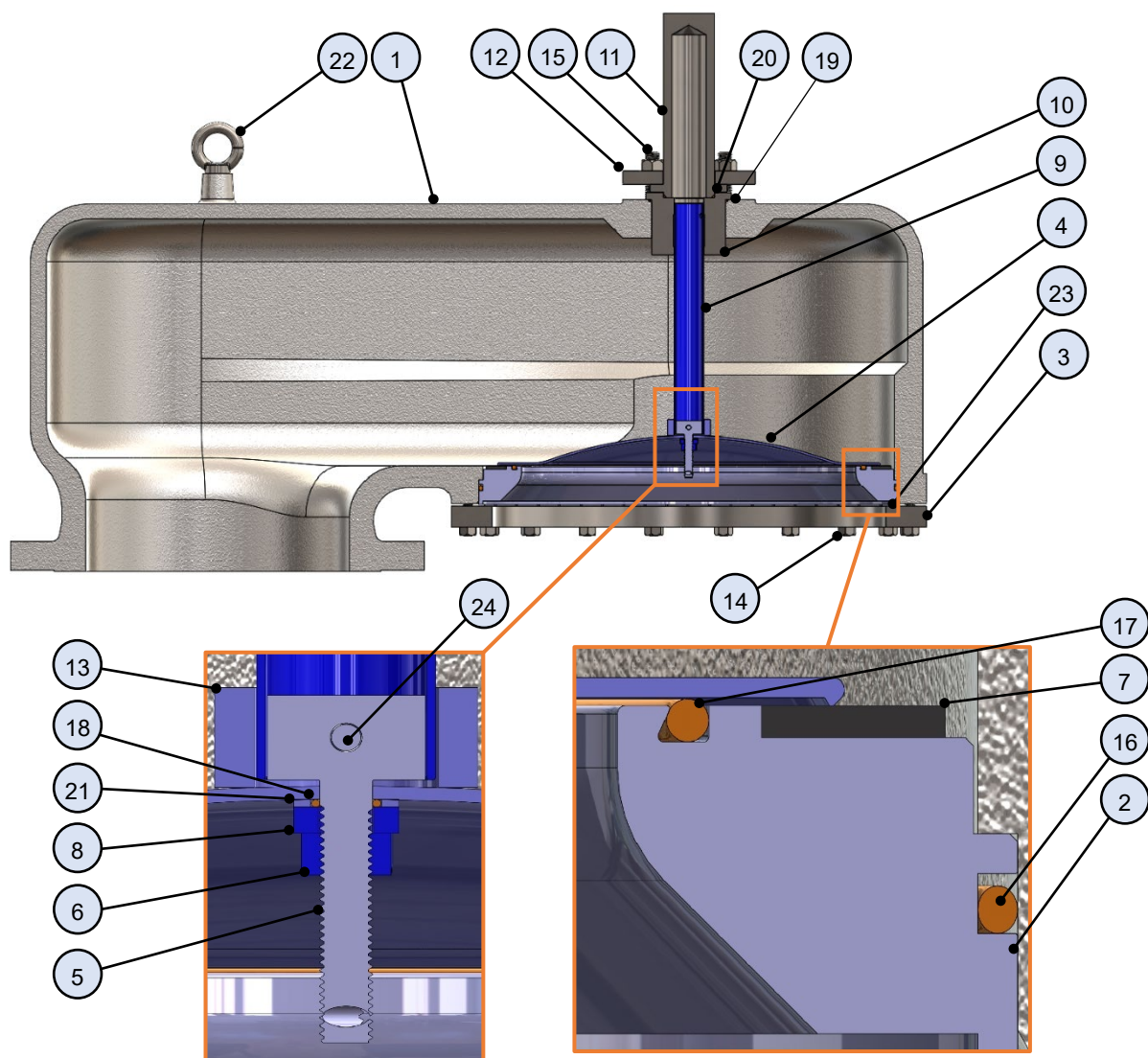
- ◆ Soft seat
A sponge sheet is used to achieve high valve seat air tightness.



◆ Type code

EVDW	1	6	1-	S1	- R	(A)							
						Cap Code							
						(A)	Sealed						
						Additional codes (see table below)							
						blank	standard		R	Improved suction volume			
						Material Code							
						blank	A216-WCB (SCPH2)		S1	A351-CF8M (SCS14A)			
						A	B26-356.0 (AC4C-T6)		S2	A351-CF3 (SCS19A)			
						S	A351-CF8 (SCS13A)		S3	A351-CF3M (SCS16A)			
						Connection Code							
						1 -	A SME Flange		2 -	J.P.I. Flange		4	JIS Flange
						Temperature Class Code (Determined by blowing temperature) Units: °C (F)							
						3	-196 (-320)≤T< -101(-150)		5	-101(-150)≤T< -29(-20)		6	-29(-20)≤T< 128(262)
						Pressure Class Code							
						1	Class 1 50 or JIS 10K		2	JIS 20K		3	Class 300 or JIS 30K
Type Code													
EVDW													

Cross-Sectional View



No.	Part Name	No.	Part Name
1	Body	13	Lift stopper
2	Nozzle	14	Bolts and Nuts
3	Nozzle Retainer	15	Bolts and Nuts
4	Disc	16	O-ring (nozzle)
5	Disc Center	17	O-ring (seat)
6	Disc Nut	18	O-ring (disc)
7	Sheet	19	O-ring (guide)
8	Disc Retainer	20	O-ring (cap)
9	Spindle	21	Spacer
10	Guide	22	Eyebolt
11	Cap	23	Screen
12	Cap Retainer	24	Rivet

*This shows a general structure, and the structure may vary depending on the sheet type and size.

Standard material

No.	Material Code	blank	A	S	S1
1	Body	A 216-WCB or SCPH2	B26-356.0 or AC4C-T6	A 315-CF8 or SCS13A	A 315-CF8M or SCS14A
2	Nozzle	S USF304	A 5052	S USF304	S USF316
3	Nozzle Retainer	S US304	A 5052	S US304	S US316
4	Disk	S US316L			
5	Disc Center	S US304			S US316
6	Disc Nut	S US304			S US316
7	Sheet	C R-SPONGE			
8	Disc Retainer	SUS304			S US316
9	Spindle	S US316L			
10	Guide	S US304			S US316
11	Cap	S US304	A 5052	S US304	S US316
12	Cap Retainer	S USF304	A 5052	S USF304	S USF316
13	Lift stopper	S US304			S US316
14	Bolts and nuts	S US304			S US316
15	Bolts and nuts	S US304			S US316
16	O-ring (nozzle)	NBR			
17	O-ring (seat)	NBR			
18	O-ring (disc)	NBR			
19	O-ring (guide)	NBR			
20	O-ring (cap)	NBR			
21	Spacer	S US304			S US316
22	Eyebolt	S US304			S US316
23	screen	S US304			S US316
24	Rivet	S US316			

* The minimum operating temperature for SCPH2 varies depending on applicable regulations.

Main dimensions

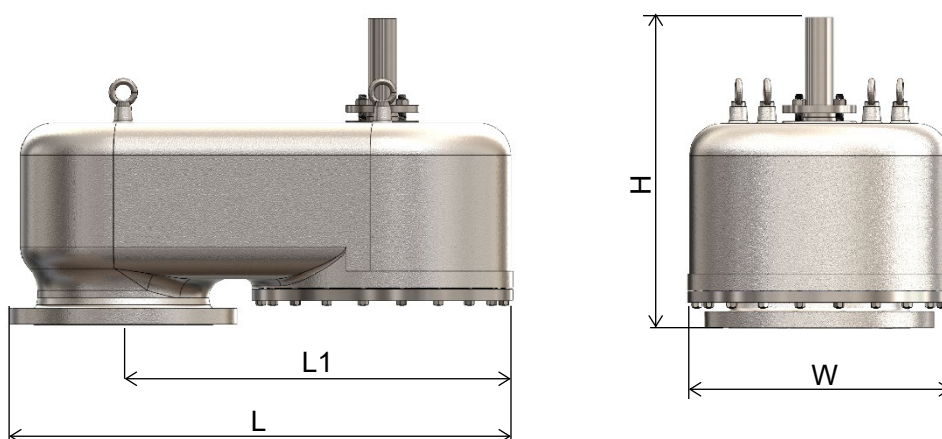
size	Seat Diameter	Nominal Lift
	mm	mm
8	2 95	9 0
1 0	3 70	1 35
1 2	4 43	1 80
1 2-R	5 13	1 80
1 8	7 40	2 90

◆ Pressure-temperature Rating

Pressure temperature standard ASME B16.5 flange						
Type	Body Material	Flange pressure class	Operating pressure range			
			Temperature T °C	-196 ≤ T < -101	-101 ≤ T < -29	-29 ≤ T < 125
			*1 *2	3	5	6
EVDW	-	150	1	-0.22 to -0.66kPa (positive pressure 40kPa or less)		

*1 Indicates pressure class code *2 Indicates temperature code

◆ Dimensions and Weight



Dimensions and Weight						Unit: mm, kg
Size	Flanges Pressure Class	size				Approx. Weight
		L1	L	W	H	
8	150	560	730	376	440	150
10	150	680	885	460	545	250
12	150	890	1130	615	650	350
18	150	1190	1500	855	985	800



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The product photos and structures are representative examples. Product specifications in the catalog may be changed without notice for product improvement or quality enhancement.