

**FUKUI**

**FV Series**

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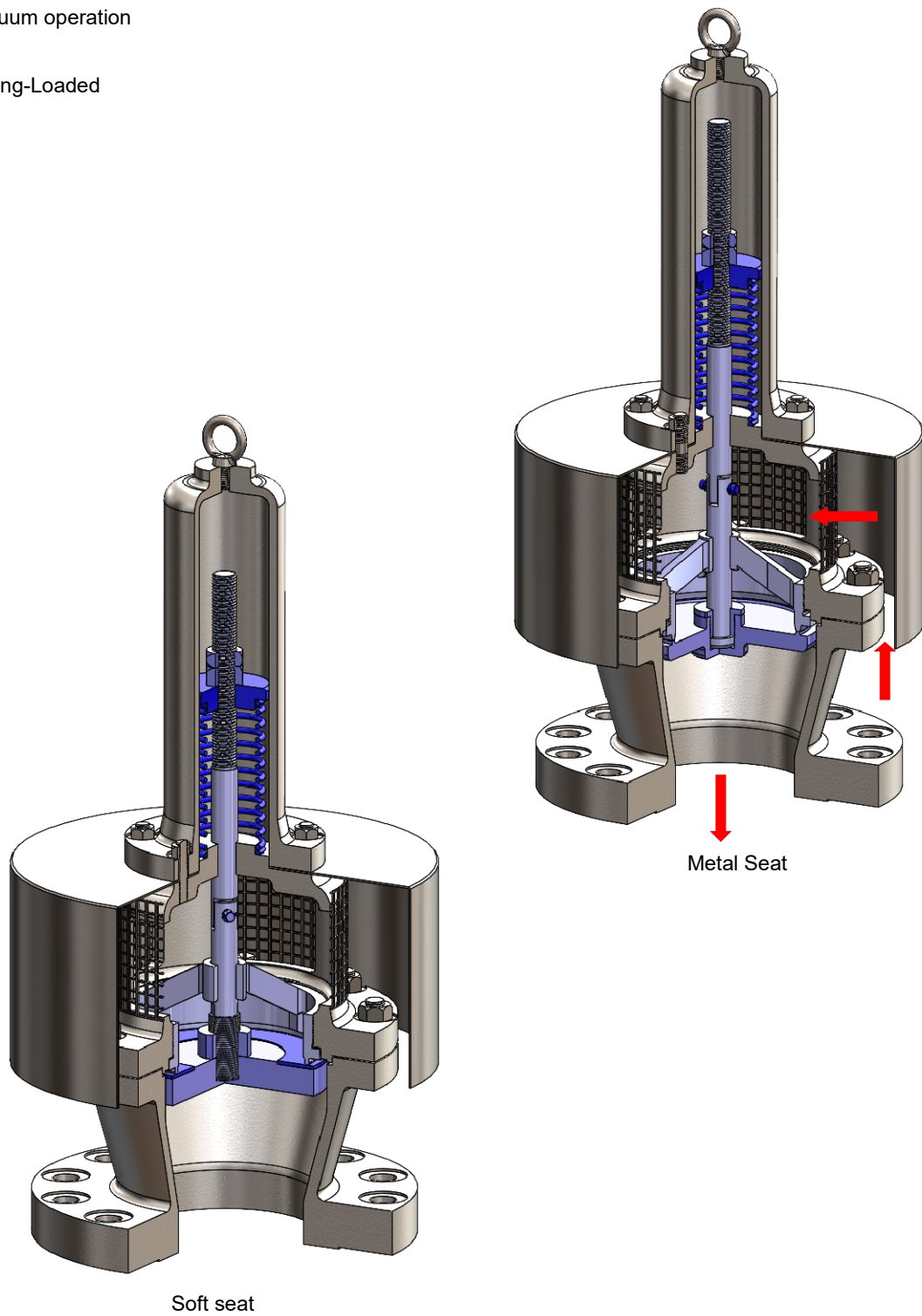
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## Features

The FV series is a spring-loaded vacuum breaker valve. Two types are available: Soft seat and Metal seat.

## Structure

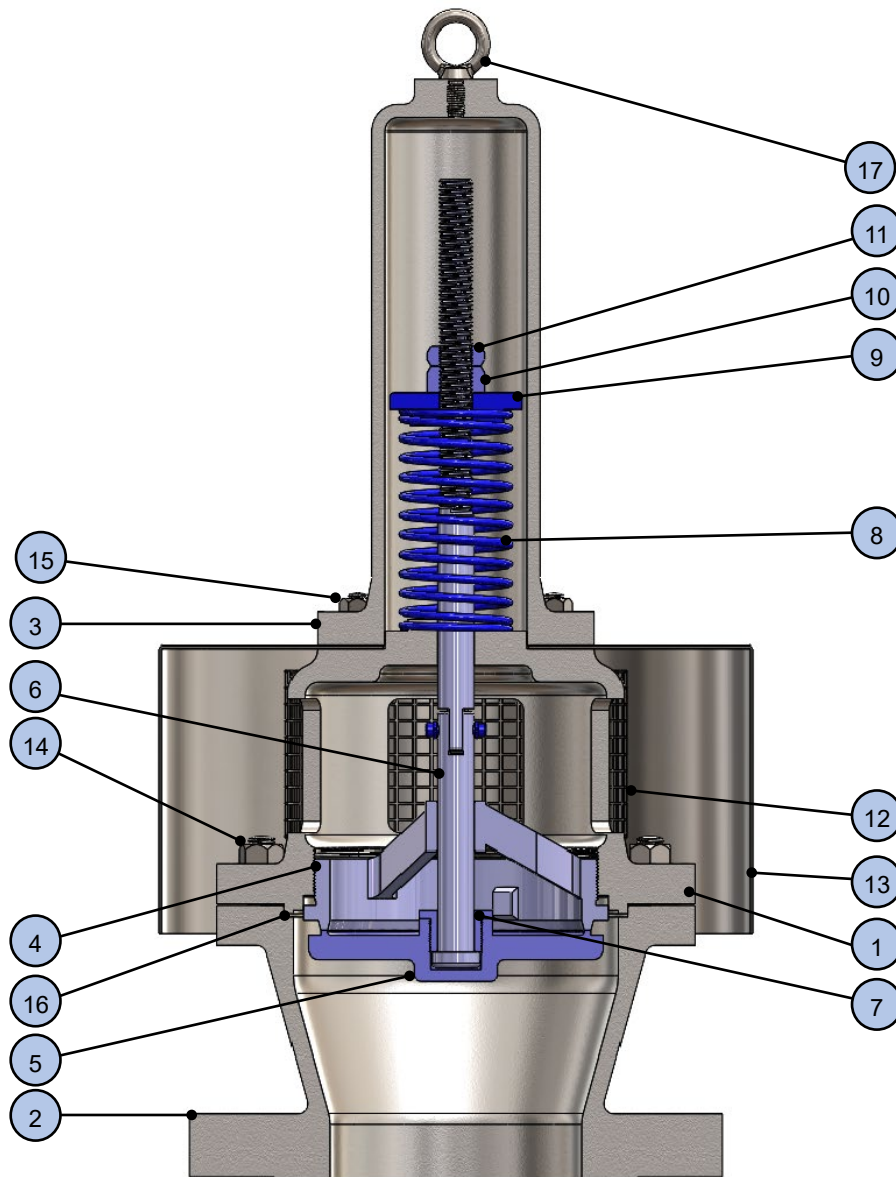
- ◆ Vacuum operation
- ◆ Spring-Loaded



 Type code

FVS	1	6	1	-C5	(A)
					Cap Code
					(A) Standard
					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	J.P.I. Flange	5 Special 0 JIS B 8210(1994) Flange
					Temperature Class Code (determined by discharge temperature) Units: ° C (F)
			3	$-196 (-320) \leq T < -101 (-150)$	5 $-60 (-75) \leq T < -29 (-20)$
			4	$-101 (-150) \leq T < -60 (-75)$	6 $-29 (-20) \leq T < 232 (450)$
					Pressure Class Code
			1	Class 1 50 or JIS 10K	2 Class 300 or JIS 20K 3 Class 300 or JIS 30K
Type Code					
FVM	Metal Seat				
FVS	Soft seat				

▣ Cross-sectional View and standard materials



No.	Part Name	Material	No.	Part Name	Material
1	Body	SCPH2	10	Adjusting ring lock bolt	SS400
2	Flange	SCPH2	11	Nut	SS400
3	Bonnet	SCPH2	12	Screen	SUS304
4	Nozzle	S-CS13A	13	Weather Hood	SS400
5	Disk	SUS304	14	Bolts and nuts	SS400.S45C
6	Spindle	SUS304	15	Bolts and nuts	SS400.S45C
7	Spindle nut	SUS304	16	Gasket	V6502
8	Spring	Spring Steel	17	Eyebolt	SS400
9	Spring Washer	SUS304	18	-	-

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

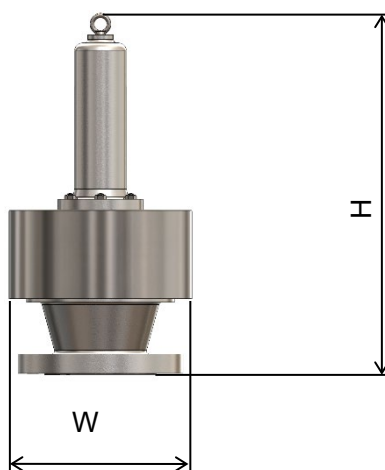
### Actual area

size	Sheet diameter (mm)	Lift (mm)	Area (mm <sup>2</sup> )
1	28	0.7	61.5
2	66	1.7	352.4
3	76	1.9	453.6
4	102	2.6	833.1
6	153	3.9	1874.5
8	204	5.1	3268.5
10	264	6.6	5473.9

### Pressure-temperature Rating

Size	Pressure (kPa)		Temperature (°C)	
	minimum	maximum	minimum	maximum
1	-2.5	-80	- 29	120
2				
3				
4				
6				
8				
10				

### Dimensions and weight



Dimensions and weight			Unit: mm, kg
size	H	W	Approx. weight
1	240	145	10
2	450	200	18
3	520	240	32
4	580	285	45
6	670	350	73
8	820	450	120
10	1060	600	170

This may vary depending on specifications.



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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.