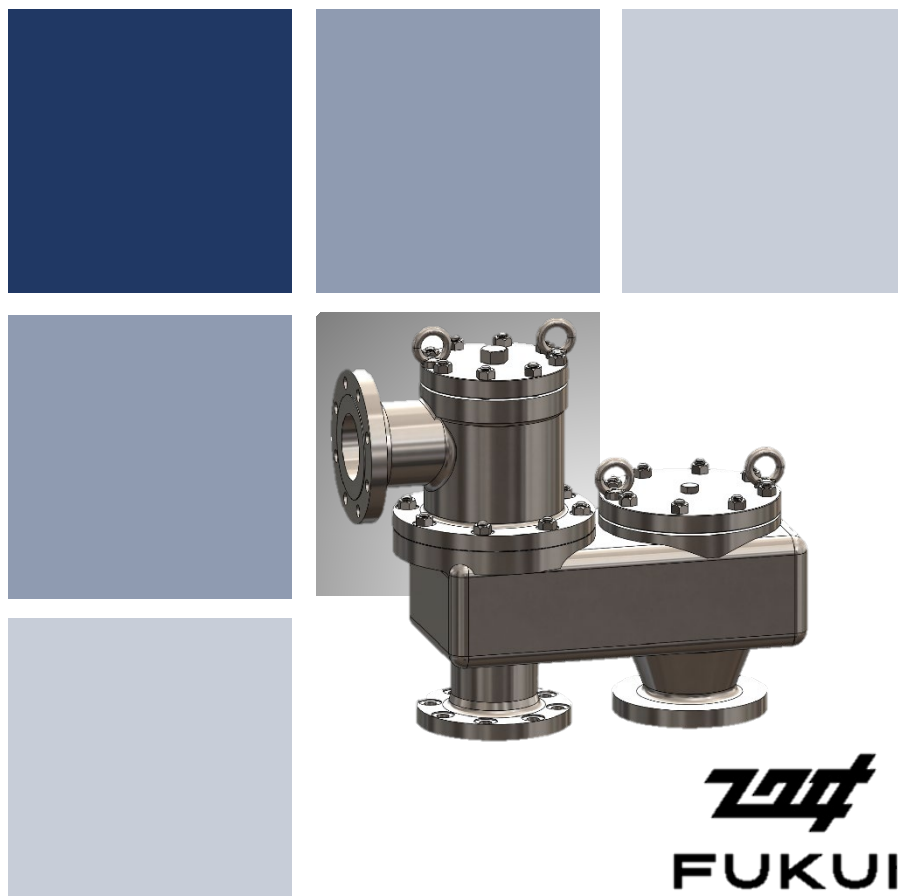




PVDW Series

Contents

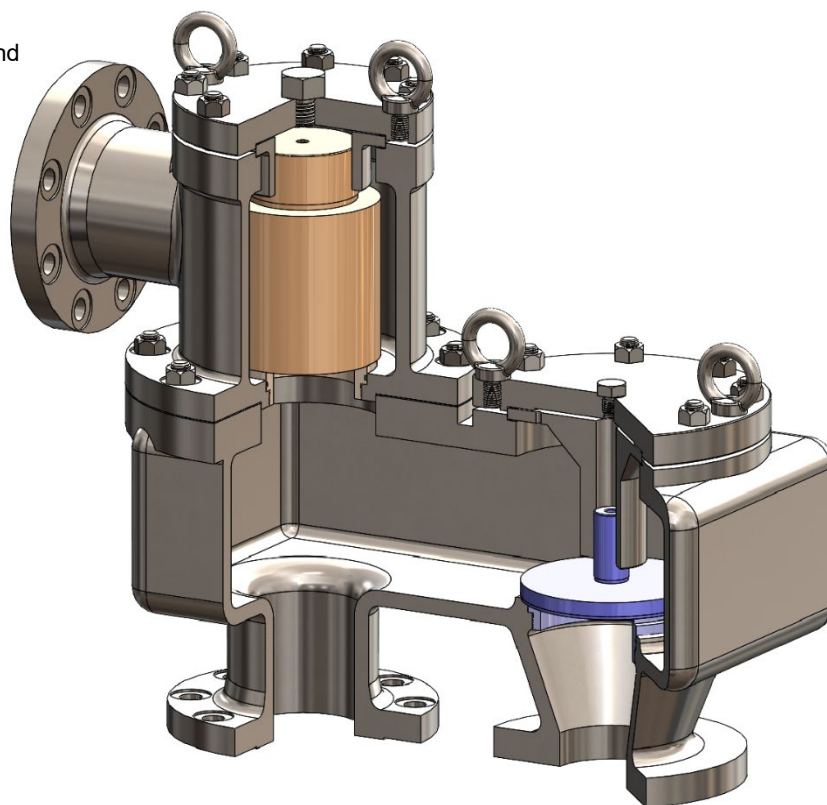
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◆ Features

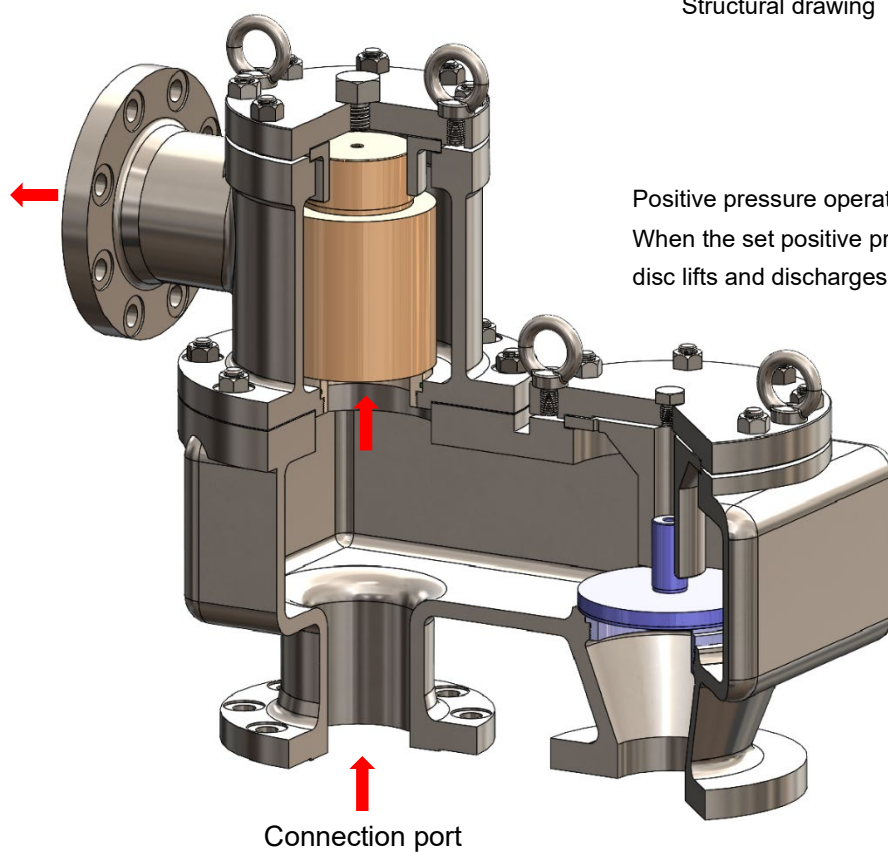
The PVDW series is a valve designed to perform both positive pressure operation and negative pressure operation with a single valve.

◆ Structure

- ◆ Positive pressure operation and negative pressure operation
- ◆ Weight-loaded type



Structural drawing

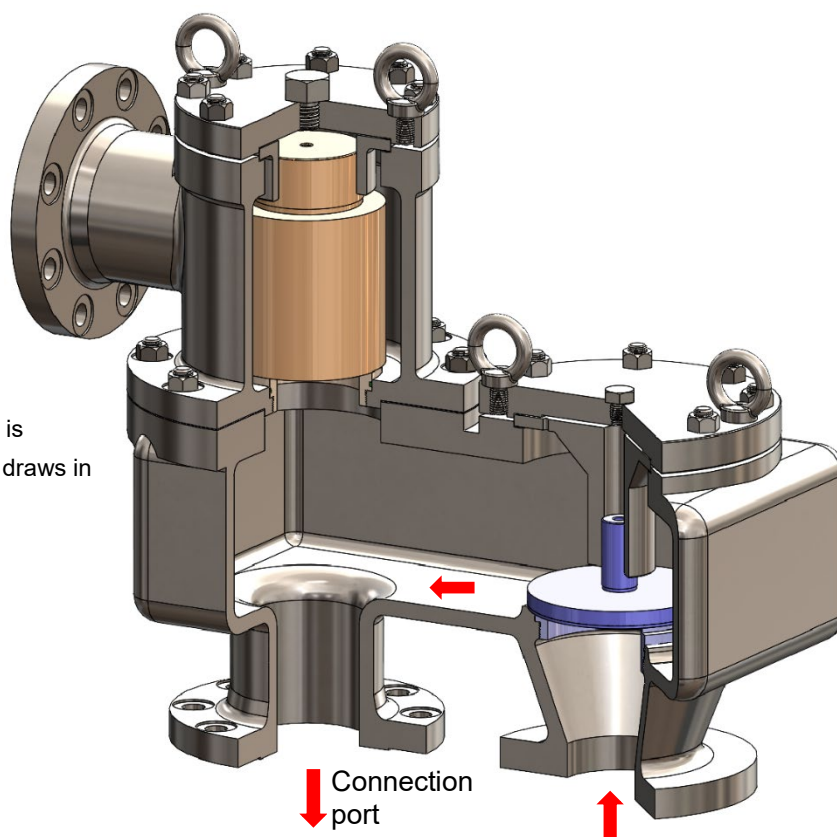


Positive pressure operation

When the set positive pressure is reached, the valve disc lifts and discharges to the atmosphere.

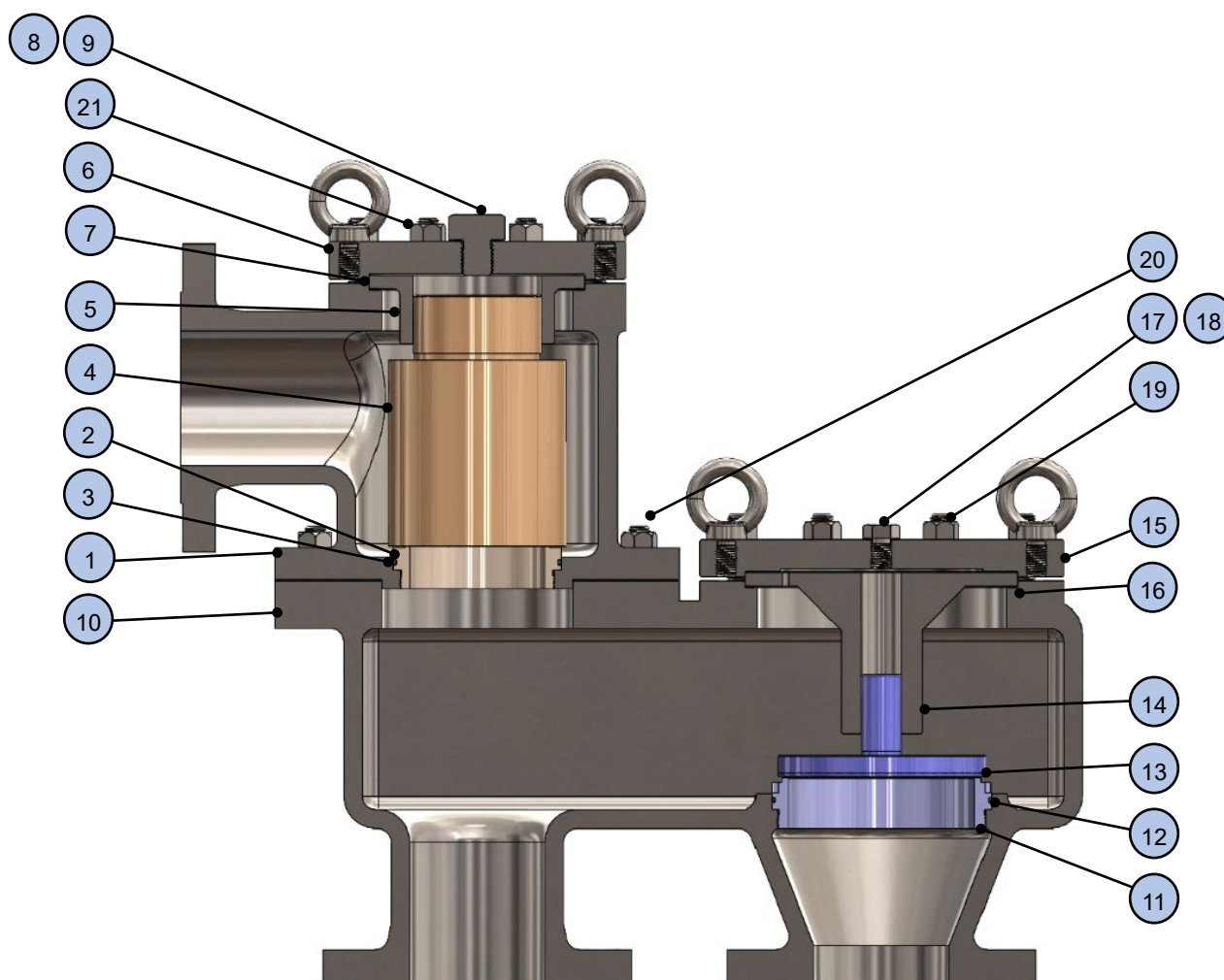
Connection port

Negative pressure operation
When the set negative pressure is reached, the valve disc lifts and draws in atmospheric air.



◆ Type code

PVDW	1	6	1	C5	(A)					
					Cap code					
					(A)	Sealed screwed				
				Material code (See the table below.)						
				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					
Type code										
PVDW										



No.	Part name	Material	No.	Part name	Material
1	Body (positive pressure)	A216-WCB (SCPH2)	12	Nozzle seal (negative pressure)	ELASTOMER
2	Nozzle (positive pressure)	SUS304	13	Disk (negative pressure)	A5052/SUS304
3	Nozzle seal (positive pressure)	ELASTOMER	14	Guide (negative pressure)	SUS304
4	Disk (positive pressure)	A5052/SUS304	15	Cover (negative pressure)	SA105M
5	Guide (positive pressure)	SUS304	16	Gasket (negative pressure)	V6502
6	Cover (positive pressure)	SA105M	17	Plug (negative pressure)	SS400
7	Gasket (positive pressure)	V6502	18	Plug gasket (negative pressure)	V6502
8	Plug (positive pressure)	SS400	19	Stud bolt and nut	SNB7, S45C
9	Plug gasket (positive pressure)	V6502	20	Stud bolt and nut	SNB7, S45C
10	Body (negative pressure)	A216-WCB (SCPH2)	21	Stud bolt and nut	SNB7, S45C
11	Nozzle (negative pressure)	SUS304		—	—

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

Pressure–Temperature Rating

Size	Pressure (kPa)		Temperature (°C)	
	Minimum	Maximum	Minimum	Maximum
1.1/2 * 1.1/2	-0.5	25	-29	120
2 * 2				
2.1/2 * 2.1/2				
3 * 3				
4 * 4				
6 * 6				
8 * 8				



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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.