

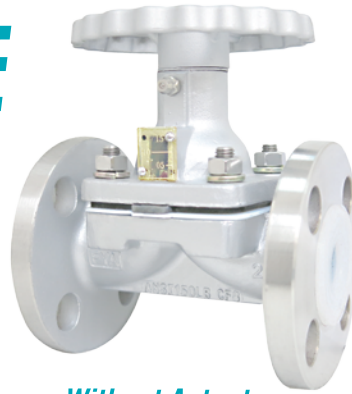
# DIAPHRAGM VALVE

## WDV SERIES

Weir Type  
Handwheel Operated  
Actuator Available

### Technical Data

**Body Material:** WCB+PFA lining & SS304+PFA lining available  
**Diaphragm Material:** PTFE+EPDM;  
 PTFE+PVDF+EPDM (for Cl<sub>2</sub> Gas) (Limited Size ≤ 4")  
**Size:** ½" to 12" (DN15 to DN300)  
**Flange Rating:** JIS 10K, ANSI 150LB, DIN PN16 and Option available  
**Test Pressure:** MSS SP-88  
**Shell:** (By Water) Max. Pressure x 1.2 Times  
**Seat:** (By Water) Max. Pressure x 1.2 Times ; (By Air) Max. Pressure 6 kg/cm<sup>2</sup>  
**Option Function:** Assemble with Actuator available

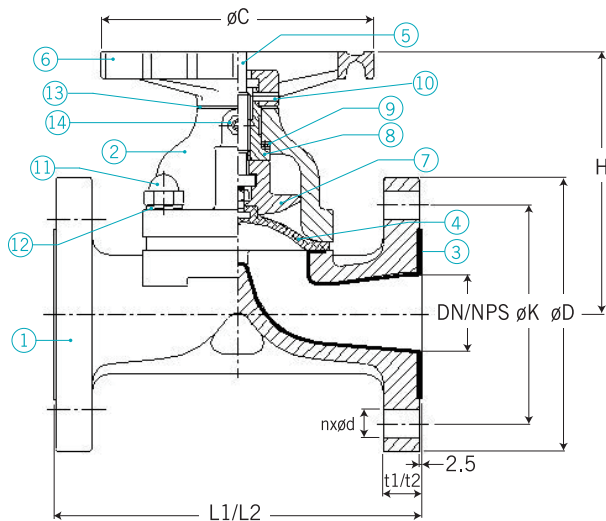


Without Actuator



With Actuator

### Dimensions & Material List



NO.	Description	Material
1	Body	WCB / SS304
2	Bonnet	WCB / SS304
3	Lining	PFA
4	Diaphragm	PTFE + EPDM / PTFE + PVDF + EPDM (For Cl <sub>2</sub> Gas)
5	Stem	SS304
6	Handwheel	WCB
7	Compressor	WCB
8	Stem Bush	BRONZE
9	Trust Bearing	Standardized (65-250mm)
10	Fitting Screw	SS304
11	Bolts & Nuts	SS304
12	Spring Washer	STAINLESS STEEL
13	Washer	PTFE
14	Grease Nipple	SS304

### Dimension Data-mm

SIZE		L1	L2	H	$\phi C$	t		JIS 10K			ANSI 150LB			DIN PN16			Wt. kg	Max. Working Pressure (kg/cm <sup>2</sup> )
DN	NPS					t1	t2	$\phi D$	$\phi K$	n x $\phi d1$	$\phi D$	$\phi K$	n x $\phi d1$	$\phi D$	$\phi K$	n x $\phi d1$		
15	1/2"	114	130	100	80	13	10	95	70	4 x 15	89	60.5	4 x 16	95	65	4 x 14	3	12
20	3/4"	123	150	100	80	13	10	100	75	4 x 15	98	70.0	4 x 16	105	75	4 x 14	3.5	12
25	1"	133	160	105	100	13	10	125	90	4 x 19	108	79.5	4 x 16	115	85	4 x 14	4.5	10
40	1 1/2"	165	200	125	120	16	13	140	105	4 x 19	127	98.5	4 x 16	150	110	4 x 18	8.5	10
50	2"	196	230	135	140	19	14	155	120	4 x 19	152	120.5	4 x 19	165	125	4 x 18	9.5	10
65	2 1/2"	222	290	170	180	19	14	175	140	4 x 19	178	139.5	4 x 19	185	145	4 x 18	10.5	10
80	3"	260	310	190	200	19	14	185	150	8 x 19	190	152.5	4 x 19	200	160	8 x 18	18.5	10
100	4"	313	350	220	250	22	17	210	175	8 x 19	229	190.5	8 x 19	220	180	8 x 18	28	10
125	5"	361	400	270	280	22	17	250	210	8 x 22	254	216.0	8 x 22	250	210	8 x 18	52	8
150	6"	415	480	300	320	22	17	280	240	8 x 22	279	241.5	8 x 22	285	240	8 x 23	71	8
200	8"	520	600	390	400	26	22	330	290	12 x 22	343	298.5	8 x 22	340	295	8 x 23	120	8
250	10"	641	730	470	550	30	26	400	355	12 x 25	400	362.0	12 x 25	395	350	12 x 23	170	6
300	12"	760	760	500	560	30	30	445	400	16 x 25	483	431.8	12 x 25	445	400	12 x 25	190	5

**NOTE. 1:**

t1=WCB  
 t2=SCS 13, SCS14  
 L1= ANSI 150LB,  
 JIS 10K ISO 5758;  
 BS5156  
 L2=DIN PN16

**NOTE. 2:**

The dimensions of actuator assembled are customized.  
 Please contact with manufacturer for the dimensions of actuator.

### Ordering Information

<b>WDV</b>	<b>Code</b>	<b>Body Material</b>	
	1	WCB+PFA lining	2 SS304+PFA lining
		<b>Code</b>	<b>Diaphragm Material</b>
		1	PTFE+EPDM
		2	PTFE+PVDF+EPDM (Limited ≤ 4")
		<b>Code</b>	<b>Bonnet Material</b>
		1	WCB (standard)
		2	SS304
		<b>Code</b>	<b>Connection Size</b>
			(1) ½" (2) ¾" (3) 1" (4) 1½" (5) 2" (6) 2½" (7) 3" (8) 4" (9) 5" (10) 6" (11) 8" (12) 10" (13) 12"
		<b>Code</b>	<b>Flange Rating</b>
			(A) JIS 10K (B) ANSI 150LB (C) DIN PN16 (O) option
		<b>Code</b>	<b>Option— Actuator</b>
		W	With
		N	Without

<b>WDV</b>							<b>Complete Ordering Code</b>
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