



**Canadian
Stream
Valve**

**THERMOPLASTIC
DIAPHRAGM VALVE**



Product Manual

The product adopts a special process to line the valve body with PFA/FEP, and the diaphragm parts adopt PFA/FEP and EPDM, so that the various parts of the valve cavity can achieve the same corrosion performance. The product has good throttling characteristics and corrosion resistance. It is compatible with granular media and reliable sealing performance, and can be widely used in various corrosive fluids and fibrous powder media.

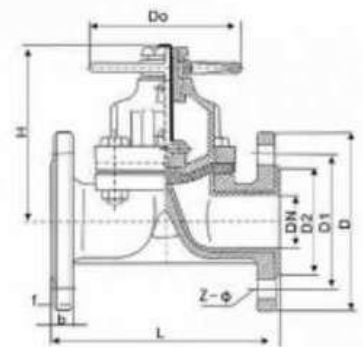
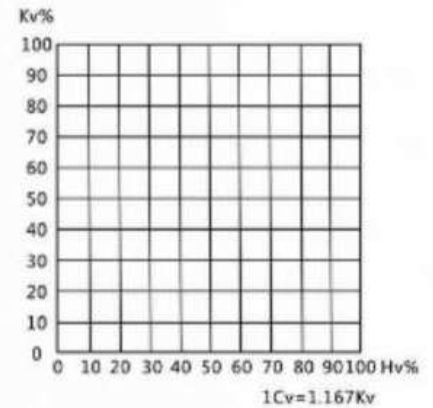
Product Advantages

- A few product connectors, good overall hardness performance
- Fast interception
- Easy to open, flexible and precise
- The overall structure of the valve body is relatively small, easy to install and maintain
- The valve body and the valve disc are lined with fluoroplastic, and the completely isolated medium is in contact with the steel member to avoid corrosion of the valve body.

Lining materials: FEP, PFA, GXPO, etc.

Drive mode: manual, turbo, electric, pneumatic, hydraulic

size		DN15-300		
pressure		1.0MPa、1.6MPa、150LB		
NO.	name	material		
1	screw	A320 B8	A320 B8	A3193 B8M
2	screws	A320 B8	A320 B8	A3193 B8M
3	Hand wheel	A216 WCB A351 CF8		
4	Steel sleeve	SS304		
5	cap	A216 WCB	A351 CF8	A351 CF8M
6	Ste nut	BRASS		
7	stem	2CR13	A182 304	A182 316
8	Adjustment mats	Ss304		
9	flap	A216 WCB	A351 CF8	A351 CF8M
10	Rubber diaphragm	EPDM		
11	Diaphragm	PFA FEP		
12	body	A216 WCB + Lining	A351 CF8 + Lining	A351 CF8M + Lining
13	Nut	A194 2H	A194 8	A194 8M
14	Flat Washers	45#	A182 304	A182 316
15	screw	A193 B7	A320 B8	A193 B8M



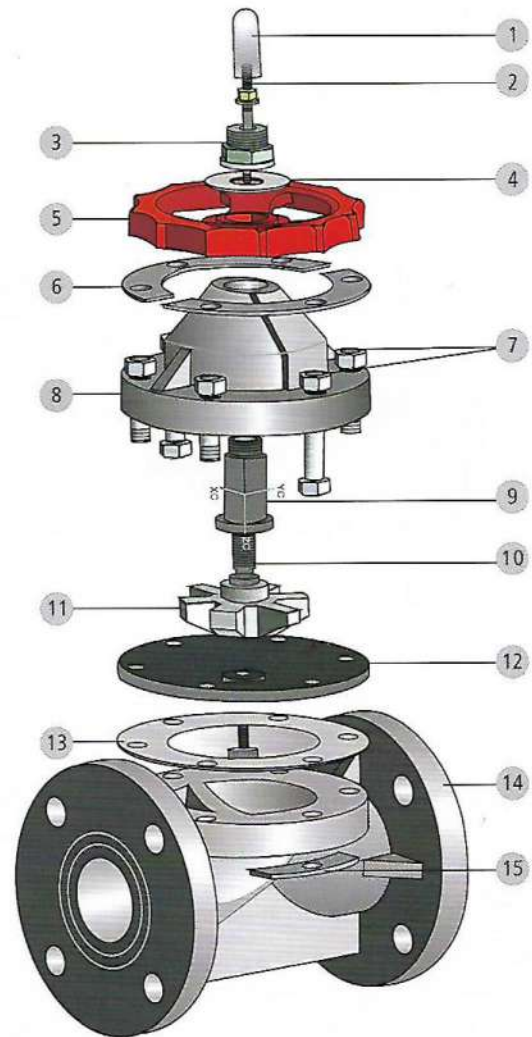
ASME B16.5 Class150

1/2	125	89	60.5	35	4-16	2	12	116	126	120	3
3/4	135	98	70.0	43	4-16	2	12	116	126	120	3.4
1	145	108	89.0	51	4-16	2	14	127	140	140	5.5
1 1/4	160	117	98.5	64	4-16	3	16	132	149	140	7
1 1/2	180	127	120.5	73	4-19	3	17.5	155	175	160	9
2	210	152	139.5	92	4-19	3	19	162	188	180	12.5
2 1/2	250	178	152.5	105	4-19	3	22	196	230	220	20
3	300	190	190.5	127	4-19	3	24	220	262	250	26
4	350	229	216.0	157	8-18	3	24	272	325	280	36
5	400	254	241.5	186	8-18	3	24	332	397	320	60

FRPP、PVDF、CPVC、UPVC、PPH

Main structural features

- ① Good sealing performance rely on the external three-dimensional CAD / CAE analysis of the valve body with an appropriate and suitable Baidu screw depth. In addition, the use of a high elasticity of rubber, the valve sealing performance is improved.
- ② Easily the second operation in order to reduce friction, has been updated materials and the shape of the sliding parts. At the same time, the appropriate operating procedures to improve the shape of Flash Block.



Diaphragm valve detailed assembly plans

App temperature bound list

Material	(RPP)	(UPVC)
Medium temperature °C	-14°C ~ +90°C	-10°C ~ +70°C
Material	(PVDF)	(CPVC)
Medium temperature °C	-40°C ~ +140°C	-20°C ~ +95°C

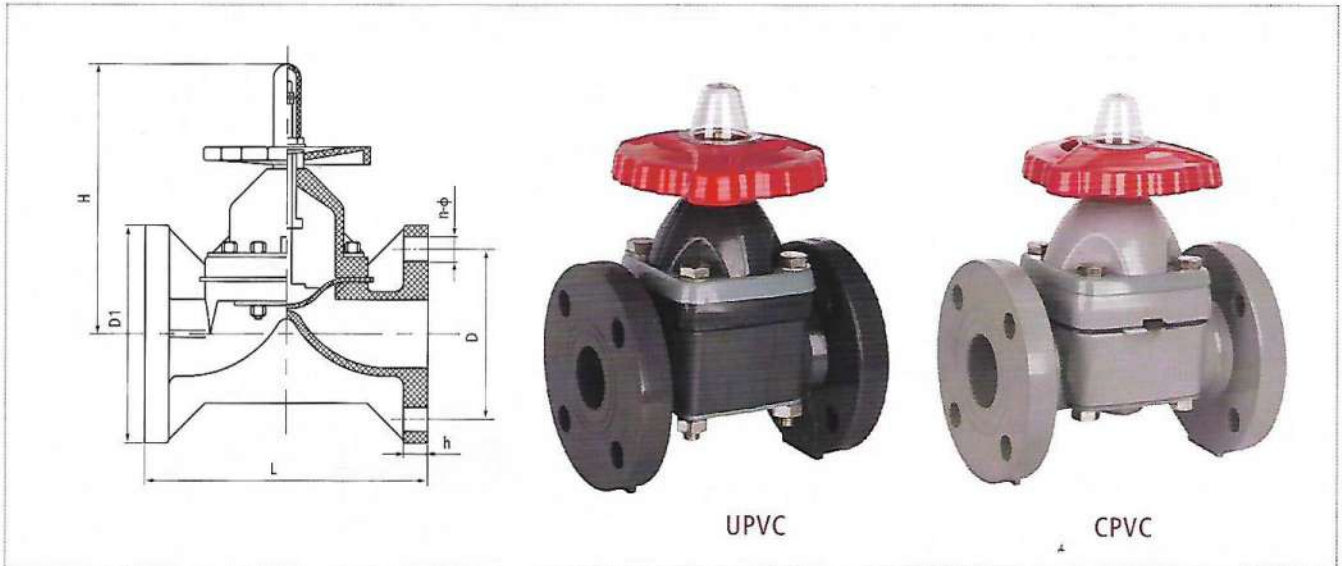
Part material list

No.	Name	Material	No.	Name	Material
1	Cover limit	AS	9	Yoke Nut	Ht300 Steel
2	Stud	Steel, StainlessSteel	10	Stem	Steel, Stainless Steel
3	Retaining Nut	FRPP	11	Disc	FRPP、PVDF、UPVC、 CPVC、PPH、Steel, Stainless C.I.FRP
4	Washer	FRPP	12	Flim	EPDM.FPM
5	Wheel	Alloy material	13	Diaphragm	F46.PFA
6	Platen	Steel, Stainless Steel	14	Body	FRPP.PVDF. UPVC.CPVC.PPH
7	Double headed stud and Nut	Steel, Stainless Steel	15	Platen	Steel, Stainless Steel
8	Bonnet	FRPP.PVDF. UPVC.CPVC.PPH			



Diaphragm valve
GB/T2643-2010

FRPP、PVDF、CPVC、UPVC、PPH、G41F-6F/V
10F/V



Dimension List

DN(mm)	D1	D				L				h	H	n				φ			
		D	JIS	DIN	ANSI	L	JIS	DIN	ANSI			n	JIS	DIN	ANSI	φ	JIS	DIN	ANSI
15(1/2")	95	65	70	65	2.38	125	110	130	4.33	14	125	4	4	4	4	14	15	14	0.63
20(3/4")	105	75	75	75	2.76	135	120	150	4.72	16	130	4	4	4	4	14	15	14	0.63
25(1")	115	85	90	85	3.13	145	130	160	5.12	16	145	4	4	4	4	14	19	14	0.63
32(1-1/4")	135	100	100	100	3.45	160				18	170	4	4	4	4	18	19	18	0.63
40(1-1/2")	145	110	105	110	3.88	180	180	200	7.09	18	190	4	4	4	4	18	19	18	0.63
50(2")	160	125	120	125	4.74	210	210	230	8.27	21	215	4	4	4	4	18	19	18	0.75
65(2-1/2")	180	145	140	145	5.49	250	250	290	9.84	22	280	4	4	4	4	18	19	18	0.75
80(3")	195	160	150	160	6	300	280	310	11.02	25	300	8	8	8	8	18	19	18	0.75
100(4")	215	180	175	180	7.5	350	340	350	13.39	25	340	8	8	8	8	18	19	18	0.75
125(5")	245	210	210	210	8.5	400	410	400	16.14	30	420	8	8	8	8	18	23	18	0.87
150(6")	280	240	240	240	9.51	455	480	480	18.9	30	480	8	8	8	8	23	23	23	0.87
200(8")	335	295	290	295	11.75	570	570	600	22.44	35	625	8	12	8	8	23	23	23	0.87
250(10")	390	350	355	350	14.03	680	680	680	26.77	38	776	12	12	12	12	23	25	23	0.97
300(12")	445	400	400	400	16.7	680				38	776	12	16	12	12	23	25	23	0.97



RPP PVDF UPVC CPVC PPH
(HG/T2643-2010)

FRPP、PVDF、CPVC、UPVC、PPH、G41F-65/105

Diaphragm valve



Working pressure and working temperature list product administer standard

MPa Caliber	°C	RPP			PVDF			UPVC			CPVC			kg/ Weigh			
		14~40	41~60	61~100	40~60	61~90	90~140	20~40	41~60	61~80	0~40	41~60	61~90	RPP	PVDF	UPVC	CPVC
15(1/2")		0.8	0.8	0.7	1	0.9	0.7	0.8	0.8	0.7	0.7	0.7	0.6	0.8	1.0	0.8	1
20(3/4")		0.8	0.8	0.7	1	0.9	0.7	0.8	0.8	0.7	0.7	0.7	0.6	0.9	1.6	0.9	1.3
25(1")		0.8	0.8	0.7	1	0.9	0.7	0.8	0.8	0.7	0.7	0.7	0.6	1.0	1.8	1.0	1.5
32(1 1/4")		0.7	0.7	0.6	1	0.9	0.7	0.7	0.7	0.6	0.7	0.7	0.6	1.3	2	1.9	2
40(1 1/2")		0.7	0.7	0.6	0.8	0.7	0.5	0.7	0.7	0.6	0.7	0.7	0.5	1.8	3	2.6	2.5
50(2")		0.7	0.7	0.6	0.8	0.6	0.5	0.7	0.7	0.6	0.7	0.7	0.5	2.5	3.9	3.7	3.9
65(2 1/2")		0.7	0.7	0.6	0.8	0.5	0.4	0.7	0.7	0.6	0.7	0.7	0.5	5	6.5	6	6.5
80(3")		0.7	0.7	0.6	0.7	0.5	0.4	0.7	0.7	0.6	0.7	0.7	0.5	6.1	8.9	6.8	7.5
100(4")		0.7	0.7	0.6	0.6	0.5	0.4	0.7	0.7	0.6	0.7	0.6	0.5	9.7	14	12.6	13.6
125(5")		0.5	0.5	0.4	0.5	0.4	0.3	0.5	0.5	0.4	0.5	0.5	0.4	13.5	18	15.6	17.6
150(6")		0.5	0.5	0.4	0.5	0.3	0.2	0.5	0.5	0.4	0.5	0.4	0.3	25	34	25.5	31
200(8")		0.3	0.3	0.2	0.4	0.25	0.2	0.3	0.3	0.2	0.3	0.3	0.25	37.5	54	44	49.5
250(10")		0.3	0.3	0.2	0.4	0.25	0.2	0.3	0.3	0.2	0.3	0.3	0.2	69.5	96	80	88

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