

Diaphragm Valves

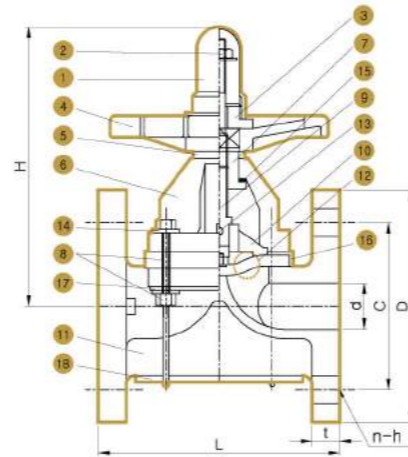
Flange Type

- Material - Body : PVC, CPVC, PP, PVDF
- Material - Bonnet : PVC, CPVC, PP, PVDF
- Size : 15mm - 250mm, 1/2" - 10"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Diaphragm : EPDM, FPM, EPDM+PTFE, EPDM+PVDF+PTFE
- Connections : ANSI 150 PSI Flanged, JIS 10kgf/cm² Flanged

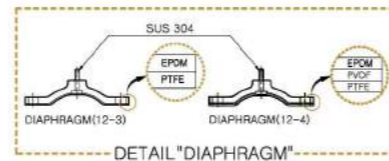
Special Features

- 상하 작동 방식으로 유량조절 가능
- 뛰어난 내구성과 편리한 핸들 조작
- 슬러지나 점액성 유체 Line에 우수한 성능 발휘
- GAUGE CAP 장착으로 개폐 상태 확인 용이
- 다양한 종류의 DIAPHRAGM 격막 재질 적용 가능
- Actuator 설치 가능

NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP/PVDF/PVC/CPVC
7	SLEEVE	BC
8	BOLT & NUT	SS41 (PP COATED) SUS 304
9	STEM & STUD BOLT UNIT	BC + SS41 (PLATING : Zn)
10	COMPRESSOR	AL
11	BODY	PP/PVDF/PVC/CPVC
12-1	DIAPHRAGM	EPDM
12-2		FPM
12-3		EPDM + PTFE
12-4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	PTFE N/A
16	DIAPHRAGM COVER PLATE	SUS 304
17	SUS PLATE	SUS 304 N/A
18	SUS LINER	SUS 304 N/A



15A ~ 25A



PP&PVDF

JIS

Size	Parts	d	L	t	JIS 10K			H	MAX Working Pressure(kgf/cm ²)	
					D	C	n-h		RUBBER DIAPHRAGM (12-1, 12-2)	PTFE DIAPHRAGM (12-3, 12-4)
15A		16	112	13.0	95	70	4-15	95	10	10
20A		20	121	14.5	100	75	4-15	100	10	10
25A		25	132	14.5	125	90	4-19	110	10	10
30A		40	181	17.5	135	100	4-19	181	10	10
40A		40	181	17.5	140	105	4-19	181	10	10
50A		52	211	21.0	155	120	4-19	220	10	10
65A		67	251	22.0	175	140	4-19	260	10	10
80A		78	281	22.0	185	150	8-19	270	10	10
100A		100	342	25.0	210	175	8-19	300	10	10
125A		125	414	27.0	250	210	8-23	420	7.5	7.5
150A		145	482	28.5	280	240	8-23	475	7.5	5
200A		194	572	35.0	330	290	12-23	630	5	4
250A		247	687	35.0	400	355	12-25	700	5	4

ANSI

Size	Parts	d	L	t	ANSI CLASS 150			H	MAX Working Pressure(kgf/cm ²)	
					D	C	n-h		RUBBER DIAPHRAGM (12-1, 12-2)	PTFE DIAPHRAGM (12-3, 12-4)
1/2"		0.63	4.41	0.51	3.50	2.38	4-0.63	3.74	10	10
3/4"		0.79	4.76	0.57	3.88	2.75	4-0.63	3.94	10	10
1"		0.98	5.20	0.57	4.25	3.12	4-0.63	4.33	10	10
1-1/4"		0.98	5.20	0.57	4.62	3.50	4-0.63	4.33	10	10
1-1/2"		1.57	7.13	0.69	5.00	3.88	4-0.63	7.13	10	10
2"		2.05	8.31	0.83	6.00	4.75	4-0.75	8.66	10	10
2-1/2"		2.64	9.88	0.87	7.00	5.50	4-0.75	10.24	10	10
3"		3.07	11.06	0.87	7.50	6.00	4-0.75	10.63	10	10
4"		3.94	13.46	0.98	9.00	7.50	8-0.75	11.81	10	10
5"		4.92	16.30	1.06	10.00	8.50	8-0.87	16.54	7.5	7.5
6"		5.71	18.98	1.12	11.00	9.50	8-0.87	18.70	7.5	5
8"		7.64	22.52	1.38	13.50	11.75	8-0.87	24.80	5	4
10"		9.72	27.05	1.38	16.00	14.25	12-0.98	27.56	5	4



Diaphragm Valves

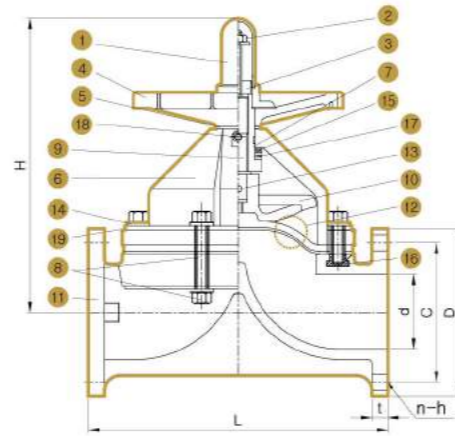
Flange Type

- Material - Body : PVC, CPVC, PP, PVDF
- Material - Bonnet : PVC, CPVC, PP, PVDF
- Size : 15mm - 250mm, 1/2" - 10"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Diaphragm : EPDM, FPM, EPDM+PTFE, EPDM+PVDF+PTFE
- Connections : ANSI 150 PSI Flanged, JIS 10kgf/cm² Flanged

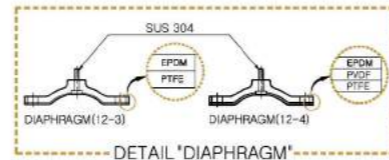
Special Features

- 상하 작동 방식으로 유량조절 가능
- 뛰어난 내구성과 편리한 핸들 조작
- 슬러지나 점액성 유체 Line에 우수한 성능 발휘
- GAUGE CAP 장착으로 개폐 상태 확인 용이
- 다양한 종류의 DIAPHRAGM 격막 재질 적용 가능
- Actuator 설치 가능

NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP/PVDF/PVC/CPVC
7	SLEEVE	FC (PLATING : Zn)
8	BOLT & NUT	SS41 (PP COATED) SUS 304
9	STEM	S45C (PLATING : Zn)
10	COMPRESSOR	40A - 50A : AL 65A - 250A : FCD
11	BODY	PP/PVDF/PVC/CPVC
12-1	DIAPHRAGM	EPDM
12-2		FPM
12-3		EPDM + PTFE
12-4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	PTFE N/A
16	INSERTED NUT	BC
17	THRUST BALL BEARING	40A - 80A : N/A 100A - 250A : STANDARDIZED
18	GREASE NIPPLE	40A - 80A : N/A 100A - 250A : BC
19	SUS PLATE	SUS 304 N/A



30A ~ 250A



DETAIL "DIAPHRAGM"



PVC&CPVC

JIS

Size	Parts	d	L	t	JIS 10K			H	MAX Working Pressure(kg/cm ²)	
					D	C	n-h		RUBBER DIAPHRAGM (12-1, 12-2)	PTFE DIAPHRAGM (12-3, 12-4)
15A		16	113	13.0	95	70	4-15	95	10	10
20A		20	123	15.0	100	75	4-15	100	10	10
25A		25	133	15.0	125	90	4-19	110	10	10
30A		40	183	17.0	135	100	4-19	181	10	10
40A		40	183	17.0	140	105	4-19	181	10	10
50A		52	214	20.0	155	120	4-19	220	10	10
65A		67	255	21.0	175	140	4-19	260	10	10
80A		78	285	22.0	185	150	8-19	270	10	10
100A		100	347	21.5	210	175	8-19	300	10	10
125A		125	415	25.0	250	210	8-23	420	7.5	7.5
150A		145	486	28.0	280	240	8-23	475	7.5	5
200A		194	575	34.0	330	290	12-23	630	5	4

ANSI

Size	Parts	d	L	t	ANSI CLASS 150			H	MAX Working Pressure(kg/cm ²)	
					D	C	n-h		RUBBER DIAPHRAGM (12-1, 12-2)	PTFE DIAPHRAGM (12-3, 12-4)
1/2"		0.63	4.45	0.51	3.50	2.38	4-0.63	3.74	10	10
3/4"		0.79	4.84	0.59	3.88	2.75	4-0.63	3.94	10	10
1"		0.98	5.24	0.59	4.25	3.12	4-0.63	4.33	10	10
1-1/4"		0.98	5.24	0.59	4.62	3.50	4-0.63	4.33	10	10
1-1/2"		1.57	7.20	0.67	5.00	3.88	4-0.63	7.13	10	10
2"		2.05	8.43	0.79	6.00	4.75	4-0.75	8.66	10	10
2-1/2"		2.64	10.04	0.83	7.00	5.50	4-0.75	10.24	10	10
3"		3.07	11.22	0.87	7.50	6.00	4-0.75	10.63	10	10
4"		3.94	13.66	0.85	9.00	7.50	8-0.75	11.81	10	10
5"		4.92	16.34	0.98	10.00	8.50	8-0.87	16.54	7.5	7.5
6"		5.71	19.13	1.10	11.00	9.50	8-0.87	18.70	7.5	5
8"		7.64	22.64	1.34	13.50	11.75	8-0.87	24.80	5	4

Diaphragm Valves

Thread Type

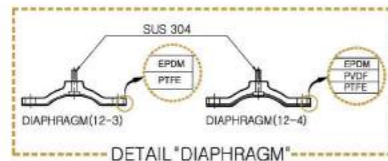
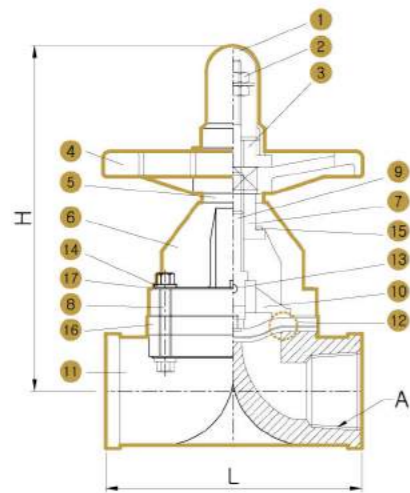
- Material - Body : PVC, CPVC, PP, PVDF
- Material - Bonnet : PVC, CPVC, PP, PVDF
- Size : 15mm - 25mm, 1/2" - 1"
- Pressure Rating : JIS 10kgf/cm², 150 PSI

Special Features

- 상하 작동 방식으로 유량조절 가능
- 뛰어난 내구성과 편리한 핸들 조작
- 슬러지나 점액성 유체 Line에 우수한 성능 발휘

- O-Ring : EPDM or FPM
- Diaphragm : EPDM, FPM, EPDM+PTFE, EPDM+PVDF+PTFE
- Connections : PT Thread

- GAUGE CAP 장착으로 개폐 상태 확인 용이
- 다양한 종류의 DIAPHRAGM 격막 재질 적용 가능
- Actuator 설치 가능



NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP / PVDF / PVC / CPVC
7	SLEEVE	BC
8	BOLT & NUT	SS41 (PP COATED) SUS 304
9	STEM & STUD BOLT UNIT	BC + SS41 (PLATING : Zn)
10	COMPRESSOR	AL
11	BODY	PP / PVDF / PVC / CPVC
12 - 1	DIAPHRAGM	EPDM
12 - 2		FPM
12 - 3		EPDM + PTFE
12 - 4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	PTFE N/A
16	DIAPHRAGM COVER PLATE	SUS 304
17	SUS PLATE	SUS 304 N/A

PP&PVDF

JIS		unit : mm			
Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)	
Size					
15A	81	138	PT 1/2"	7.5	
20A	95	140	PT 3/4"	7.5	
25A	106	148	PT 1"	7.5	

PVC&CPVC

JIS		unit : mm			
Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)	
Size					
15A	82	138	PT 1/2"	7.5	
20A	95	140	PT 3/4"	7.5	
25A	109	148	PT 1"	7.5	

