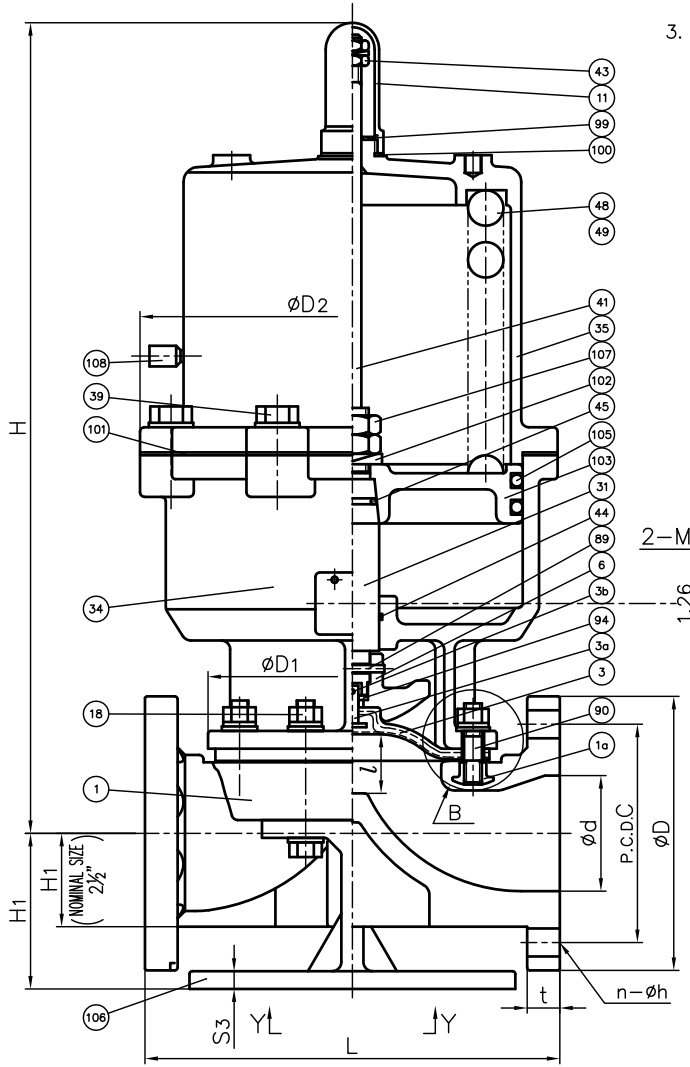
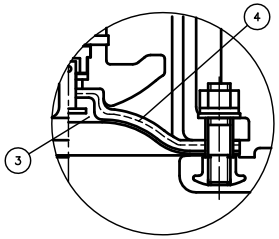
DIMENSIONS TABLE

UNIT : inch

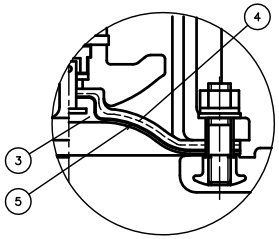
NOMINAL SIZE		ANSI Class 150 d	D	C	n	h	D1	D2	l (LIFT)	L GRINNEL STANDARD	L AV STANDARD	t PVC C-PVC	t PP PVDF	H	H1	S	S1	S2	S3	S4	S5	S6	S7	S8	P
2½"	65mm	2.64	7.00	5.50	4	0.75	6.73	11.02	1.34	–	9.84	0.87	0.91	18.62	2.40	3.35	M8	0.59	–	–	–	–	–	–	¼
3	80	3.07	7.50	6.00	4	0.75	7.68	12.01	1.65	10.37	11.02	0.87	0.91	21.65	4.29	–	–	–	0.47	7.09	8.66	6.89	8.46	0.75	¼
4	100	3.94	9.00	7.50	8	0.75	9.25	15.16	1.97	12.93	13.39	0.87	0.94	23.66	4.69	–	–	–	0.59	9.06	10.63	8.66	10.24	0.75	¼

NOTE.
1. Operation of permission pressure: 0.4~0.6MPa G
2. Diaphragms except EPDM and PTFE are available in FKM, VIFLON® C (FKM-C), VIFLON® F (FKM-F), CSM and NBR when required.
3. The shape and appearance of assembly differ a little with nominal size compared to this drawing.

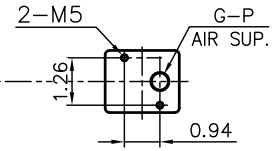




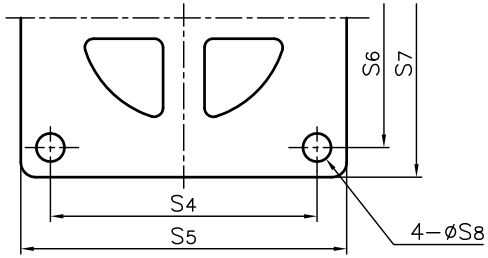
In case material of diaphragm is PTFE.



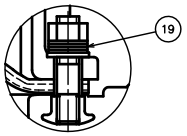
In case material of diaphragm is PTFE with cushion cover.



Y-Y
(3",4")

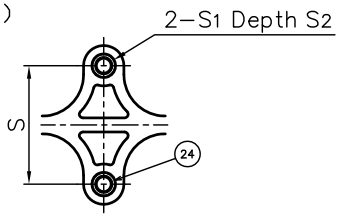


In Case of PVDF Body



"B" Part

(2½")



No.	DESCRIPTION	QTY.	MATERIAL	REMARKS
108	CHECK VALVE FOR EXHAUST	1	COPPER ALLOY (C3604)	
107	LOCK NUT	2	Chromized STEEL (SS400)	
106	STAND	1	CAST ALUMINIUM ALLOY (AC4C) (Epoxy Coat)	Used for Size 3",4"
105	O-RING (H)	2	NBR	
103	PISTON	1	CAST ALUMINIUM ALLOY (AC5A)	
102	SPRING WASHER (A)	1	SPRING STEEL (SUP)	
101	SHEET GASKET (B)	1	NBR	
100	SHEET GASKET (A)	1	EPDM	
99	VALVE SHEET	1	STAINLESS STEEL (SUS304)	
94	METAL OF COMPRESSOR	1	STAINLESS STEEL (SUS304)	
90	STUD BOLT・NUT	4Sets	STAINLESS STEEL (SUS304)	
89	COMPRESSOR PIN	1	STAINLESS STEEL (SUS304)	
49	SPRING (B)	1	SPRING STEEL (SUP)	Used for Size 4"
48	SPRING (A)	1	SPRING STEEL (SUP)	
45	O-RING (E)	1	NBR	
44	O-RING (D)	1	NBR	
43	STOPPER (B)	1	STAINLESS STEEL (SUS304)	
41	INDICATING LOD	1	STAINLESS STEEL (SUS304)	
39	BOLT (A)	–	STAINLESS STEEL (SUS304)	
35	CYLINDER BONNET	1	CAST ALUMINIUM ALLOY (AC4C)	Epoxy Coat
34	CYLINDER BODY	1	CAST ALUMINIUM ALLOY (AC4C)	Epoxy Coat
31	STEM (A)	1	COPPER ALLOY (C3604)	
24	ENSAT FOR BODY	2	COPPER ALLOY (Equal to C3604)	Used for Size 2½"
19	CONICAL SPRING WASHER (A)	8Sets	STAINLESS STEEL (SUS304)	Used for PVDF Body
18	BOLT・NUT (A)	4Sets	STAINLESS STEEL (SUS304)	
11	GAUGE COVER	1	PC	
6	COMPRSSOR	1	PVDF	
5	CUSHION COVER	1	□Nothing □PVDF	Used for PTFE Diaphragm
4	CUSHION	1	EPDM	
3b	DIAPHRAGM PIN	1	STAINLESS STEEL (SUS304)	
3a	INSERTED METAL OF DIAPHRAGM	1	STAINLESS STEEL (SUS304)	
3	DIAPHRAGM	1	□EPDM □PTFE □Others ( )	
1a	INSERTED NUT	4	COPPER ALLOY (C3604)	Used for PVC,C-PVC,PP Body
			STAINLESS STEEL (SUS304)	Used for PVDF Body
1	BODY	1	□PVC □C-PVC □PP □PVDF	

ITEM	DIAPHRAGM VALVE (TYPE 14) PNEUMATIC ACTUATED MODEL TYPE AV ASS'Y AIR TO OPEN ANIS Class 150 : FLANGED END 2½" (65mm) ~ 4" (100mm) □ GRINNEL STANDERD, □ AV STANDERD		
DRAWN	M.Iwakiri	DATE	SCALE
		FEB.7.2019	~
CHECKED	H.Kawano	DRAWING No.	
APPROVED	K.Koushou	D1-AA018AE	4
SPECIAL ORDER No.		ASAHI YUKIZAI CORPORATION	