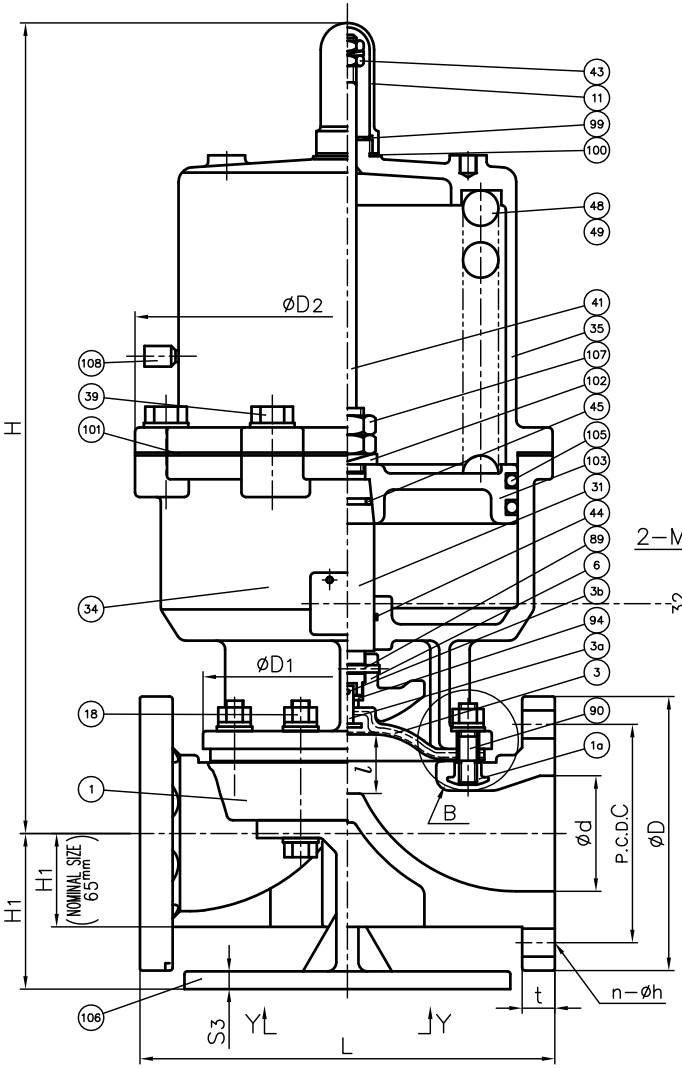
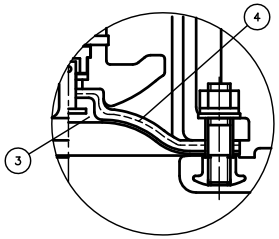
DIMENSION TABLE

Unit: mm

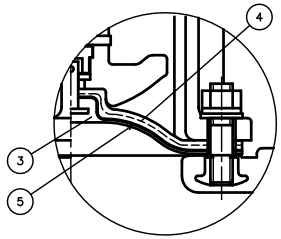
Nominal Size		d	ANSI Class 150 D	C	n	h	D1	D2	l (LIFT)	L GRINNEL STANDARD	L AV STANDARD	t PVC C-PVC	t PP PVDF	H	H1	S	S1	S2	S3	S4	S5	S6	S7	S8	P
65mm	2½"	67	178	139.5	4	19	171	280	34	—	250	22	23	473	61	85	M8	15	–	–	–	–	–	–	1/4
80	3	78	191	152.5	4	19	195	305	42	263.5	280	22	23	550	109	–	–	–	12	180	220	175	215	19	1/4
100	4	100	229	190.5	8	19	235	385	50	328.5	340	22	24	601	119	–	–	–	15	230	270	220	260	19	1/4

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.

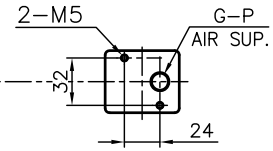




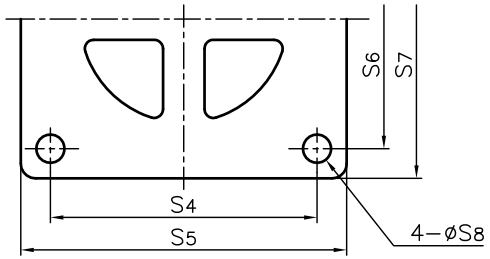
In case material of diaphragm is PTFE.



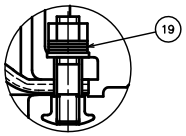
In case material of diaphragm is PTFE with cushion cover.



Y-Y
(80,100mm)

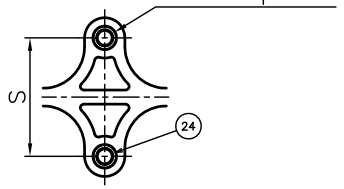


In Case of PVDF Body



"B" Part

(65mm)



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 80, 100mm
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 100mm
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	STAINLESS STEEL (SUS303)	Used for Size 65mm
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 ANSI Class 150 : FLANGED END 65mm (2½") ~ 100mm (4") □ GRINNEL STANDARD, □ AV STANDARD		
DRAWN	E.Emmei	DATE	SCALE
CHECKED	H.Kawano	MAR.1.2023	~
APPROVED	K.Koushou	DRAWING No. D1-AA204AEm	△
SPECIAL ORDER No.		ASAHI YUKIZAI CORPORATION	