

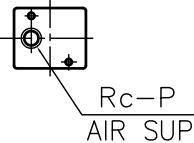
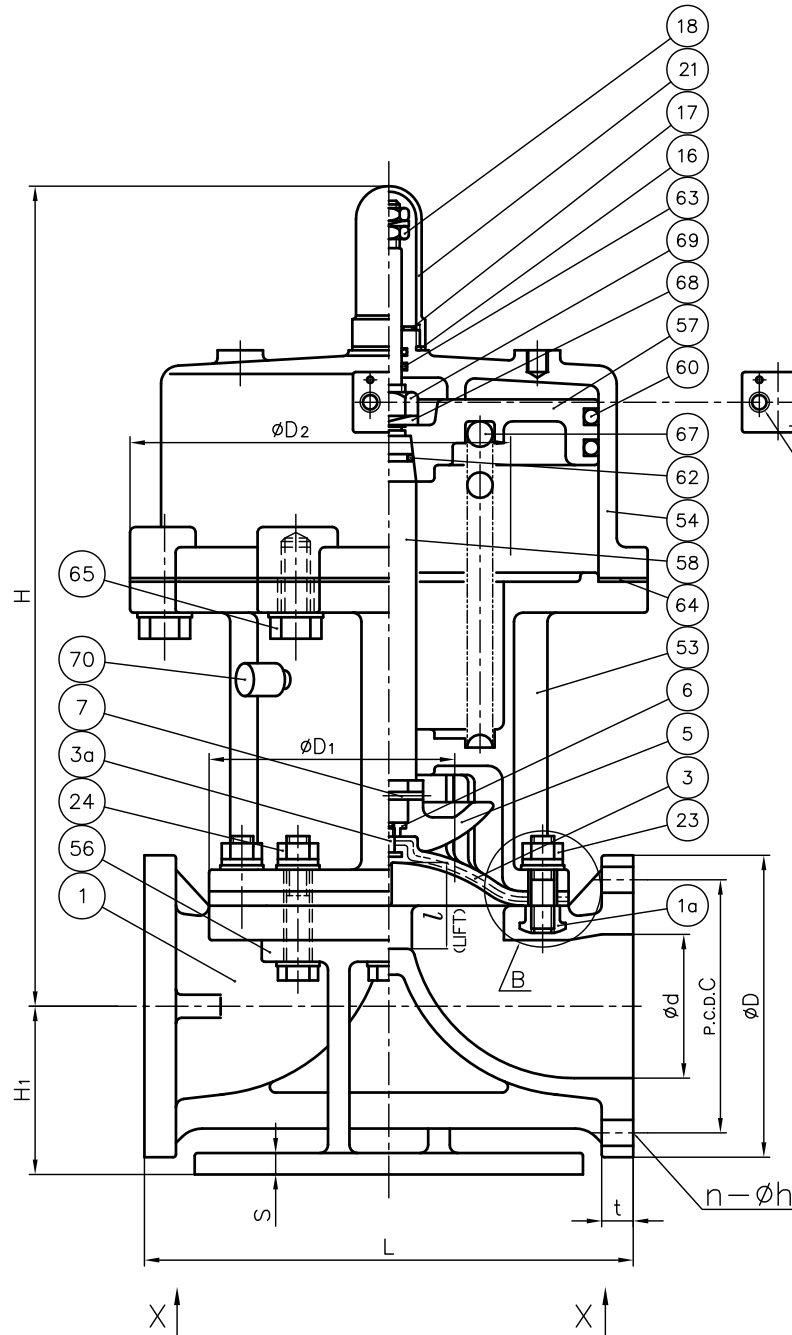
DIMENSIONS TABLE

UNIT : mm

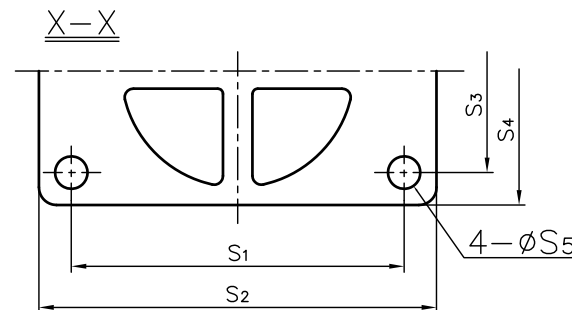
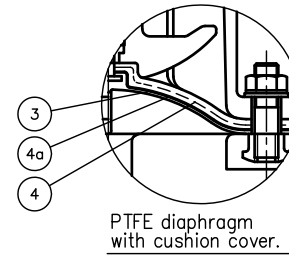
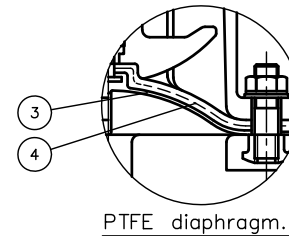
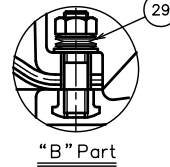
| NOMINAL<br>SIZE | d   | ANSI Class 150 |       |   |    |     | t   |            | D <sub>1</sub> | D <sub>2</sub> | l  | H   | H <sub>1</sub> | S  | S <sub>1</sub> | S <sub>2</sub> | S <sub>3</sub> | S <sub>4</sub> | S <sub>5</sub> | P |
|-----------------|-----|----------------|-------|---|----|-----|-----|------------|----------------|----------------|----|-----|----------------|----|----------------|----------------|----------------|----------------|----------------|---|
|                 |     | D              | C     | n | h  | L   | PVC | PP<br>PVDF |                |                |    |     |                |    |                |                |                |                |                |   |
| 125mm 5"        | 125 | 254            | 216   | 8 | 22 | 410 | 22  | 24         | 320            | 455            | 60 | 653 | 143            | 15 | 310            | 350            | 280            | 320            | 23             | ¼ |
| 150             | 148 | 279            | 241.5 | 8 | 22 | 480 | 24  | 27         | 385            | 520            | 70 | 722 | 148            | 16 | 360            | 400            | 310            | 350            | 23             | ¼ |

## NOTE.

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



In case of PVDF body



|    |                                 |        |                               |                            |
|----|---------------------------------|--------|-------------------------------|----------------------------|
| 1a | INSERTED NUT                    | 4      | COPPER ALLOY (C3604)          | Used for PVC & PP Body     |
| 70 | CHECK VALVE FOR EXHAUST         | 1      | COPPER ALLOY (C3604)          | Used for PVDF Body         |
| 69 | LOCK NUT (B)                    | 2      | STAINLESS STEEL (SS400)       |                            |
| 68 | SPRING WASHER                   | 1      | SPRING STEEL (SUP)            |                            |
| 67 | SPRING                          | 1      | SPRING STEEL (SUP)            |                            |
| 65 | BOLT (A)                        | —      | STAINLESS STEEL (SUS304)      |                            |
| 64 | SHEET GASKET (C)                | 1      | NBR                           |                            |
| 63 | O-RING (G)                      | 2      | NBR                           |                            |
| 62 | O-RING (F)                      | 1      | NBR                           |                            |
| 60 | O-RING (D)                      | 2      | NBR                           |                            |
| 58 | STEM (A)                        | 1      | STAINLESS STEEL (SUS304)      |                            |
| 57 | PISTON                          | 1      | CAST ALUMINUM ALLOY (AC2A)    |                            |
| 56 | STAND (A)                       | 1      | CAST ALUMINUM ALLOY (ACAC)    | epoxy coat.                |
| 54 | CYLINDER BONNET                 | 1      | CAST ALUMINUM ALLOY (ACAC)    | epoxy coat.                |
| 53 | CYLINDER BODY                   | 1      | CAST ALUMINUM ALLOY (ACAC)    | epoxy coat.                |
| 29 | CONICAL SPRING WASHER           | —      | STAINLESS STEEL (SUS304)      | Used for PVDF Body         |
| 24 | BOLT + NUT (A)                  | —      | STAINLESS STEEL (SUS304)      |                            |
| 23 | STUD BOLT + NUT                 | 4 Sets | STAINLESS STEEL (SUS304)      |                            |
| 21 | GAUGE COVER                     | 1      | PC                            |                            |
| 18 | STOPPER                         | 1      | STAINLESS STEEL (SUS304)      |                            |
| 17 | SHEET RING                      | 1      | STAINLESS STEEL (SUS304)      |                            |
| 16 | SHEET GASKET (A)                | 1      | EPDM                          |                            |
| 7  | COMPRESSOR PIN                  | 1      | STAINLESS STEEL (SUS304)      |                            |
| 6  | COMPRESSOR NUT                  | 1      | COPPER ALLOY (C3604)          |                            |
| 5  | COMPRESSOR                      | 1      | PVDF                          |                            |
| 4a | CUSHION COVER                   | 1      | □Nothing<br>□PVDF             | Used for<br>PTFE Diaphragm |
| 4  | CUSHION                         | 1      | □EPDM<br>□Others ( )          | Used for<br>PTFE Diaphragm |
| 3a | INSERTED METAL OF DIAPHRAGM (A) | 1      | STAINLESS STEEL (SUS304)      |                            |
| 3  | DIAPHRAGM                       | 1      | □EPDM<br>□PTFE<br>□Others ( ) |                            |
| 1  | BODY                            | 1      | □PVC<br>□PP<br>□PVDF          |                            |

| No.               | DESCRIPTION                                                                                                                               | QTY.        | MATERIAL | REMARKS |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|---------|
| ITEM              | DIAPHRAGM VALVE (TYPE 15) PNEUMATIC ACTUATED MODEL TYPE AV ASS'Y<br>AIR TO SHUT<br>ANSI Class 150 : FLANGED END<br>125mm (5"), 150mm (6") |             |          |         |
| DRAWN             | M.Iwakiri                                                                                                                                 | DATE        | SCALE    |         |
| CHECKED           | Y.Sato                                                                                                                                    | NOV.1.2024  |          |         |
| APPROVED          | K.Yoshino                                                                                                                                 | DRAWING No. |          |         |
|                   |                                                                                                                                           | D5-AA004AE  |          |         |
| SPECIAL ORDER No. | ASAHI YUKIZAI CORPORATION                                                                                                                 |             |          |         |