

DIMENSIONS TABLE

UNIT : inch

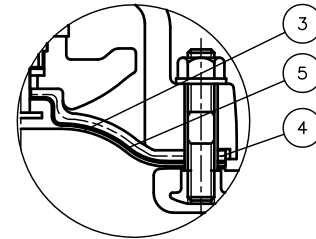
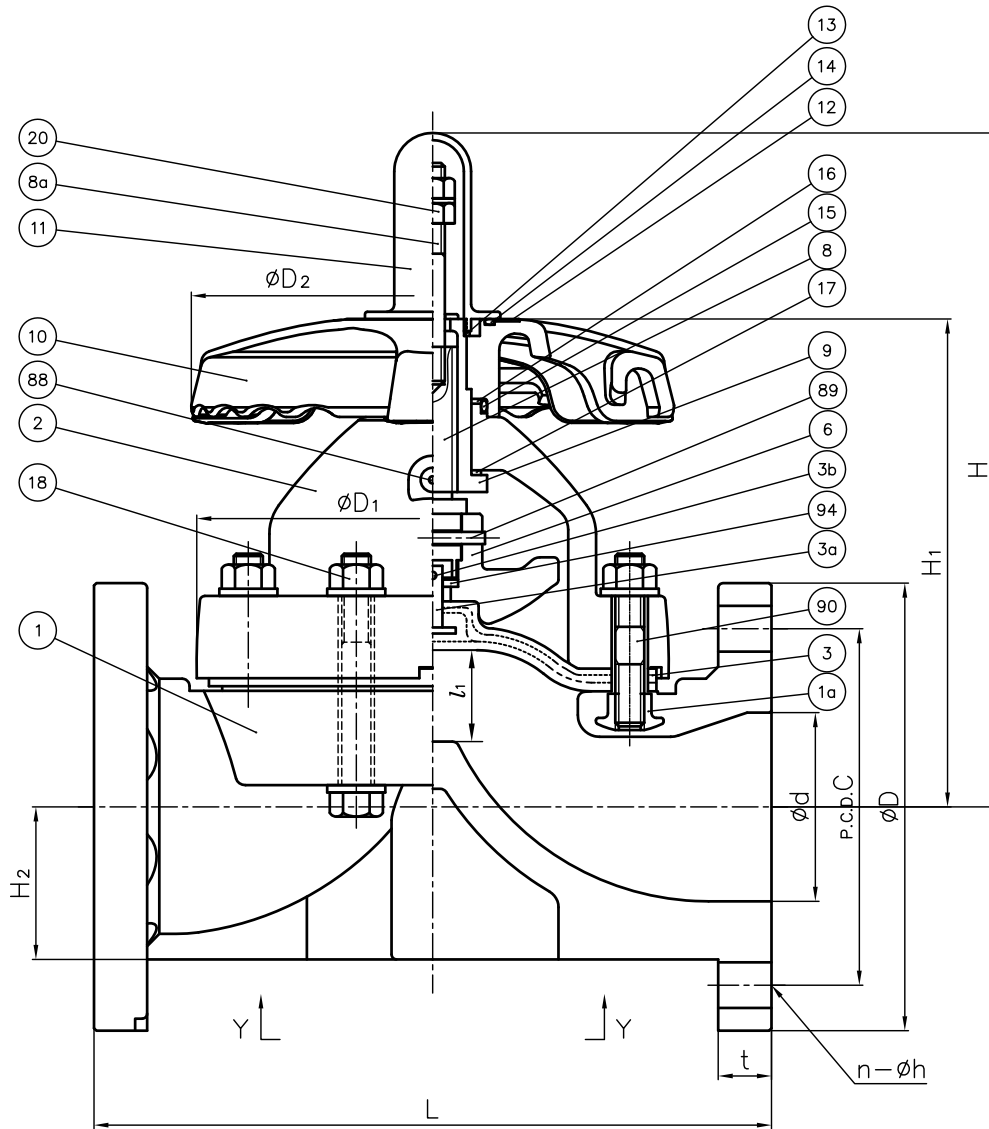
| Nominal Size | d    | ANSI Class 150 |      |      |   | D <sub>1</sub> | D <sub>2</sub> | l <sub>1</sub><br>(LIFT) | L                |             |           |         | H    | H <sub>1</sub> | H <sub>2</sub> | S    | S <sub>1</sub> | S <sub>2</sub> |      |
|--------------|------|----------------|------|------|---|----------------|----------------|--------------------------|------------------|-------------|-----------|---------|------|----------------|----------------|------|----------------|----------------|------|
|              |      | D              | C    | n    | h |                |                |                          | GRINNEL STANDARD | AV STANDARD | PVC C-PVC | PP PVDF |      |                |                |      |                |                |      |
| 2 1/2"       | 65mm | 2.64           | 7.00 | 5.50 | 4 | 0.75           | 6.89           | 8.66                     | 1.34             | —           | 9.84      | 0.87    | 0.91 | 10.47          | 7.40           | 2.40 | 3.35           | 0.43           | 0.79 |
| 3            | 80   | 3.07           | 7.50 | 6.00 | 4 | 0.75           | 7.91           | 8.66                     | 1.65             | 10.37       | 11.02     | 0.87    | 0.91 | 11.02          | 7.95           | 2.48 | 3.94           | 0.59           | 1.10 |
| 4            | 100  | 3.94           | 9.00 | 7.50 | 8 | 0.75           | 9.49           | 10.12                    | 1.97             | 12.93       | 13.39     | 0.87    | 0.94 | 12.95          | 9.49           | 3.07 | 4.72           | 0.59           | 1.10 |

NOTE.

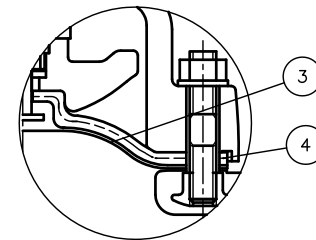
- Diaphragms except EPDM and PTFE are available in FKM, VIFLON<sup>®</sup> C (FKM-C), VIFLON<sup>®</sup> F (FKM-F), CSM and NBR when required.
- The shape and appearance of assembly differ a little with nominal size compared to this drawing.

|    |                             |       |   |  |
|----|-----------------------------|-------|---|--|
| 1a | INSERTED NUT                | 4     | COPPER ALLOY (C3604)<br>STAINLESS STEEL (SUS304)                          | used for PVC, C-PVC, PP body<br>used for PVDF body |
| 94 | METAL OF COMPRESSOR         | 1     | STAINLESS STEEL   | SUS304   |
| 90 | STUD BOLT·NUT               | 4sets | STAINLESS STEEL   | SUS304   |
| 89 | COMPRESSOR PIN              | 1     | STAINLESS STEEL   | SUS304   |
| 88 | GREASE NIPPLE               | 1     | COPPER ALLOY  | C3604  |
| 20 | STOPPER (A)                 | 1     | STAINLESS STEEL   | SUS304   |
| 18 | BOLT&NUT (A)                | 4sets | STAINLESS STEEL   | SUS304   |
| 17 | THRUST RING (B)             | 1     | UHMWPE  |  |
| 16 | THRUST RING (A)             | 1     | UHMWPE  |  |
| 15 | O-RING (B)                  | 1     | EPDM  |  |
| 14 | O-RING (A)                  | 1     | EPDM  |  |
| 13 | RETAINING RING - C TYPE     | 1     | STAINLESS STEEL   | SUS304   |
| 12 | NAME PLATE                  | 1     | PVC   |  |
| 11 | GAUGE COVER                 | 1     | PC  |  |
| 10 | HAND WHEEL                  | 1     | PP  |  |
| 9  | SLEEVE                      | 1     | COPPER ALLOY  | C3604  |
| 8a | INDICATOR ROD               | 1     | STAINLESS STEEL   | SUS304   |
| 8  | STEM                        | 1     | COPPER ALLOY  | C3604  |
| 6  | COMPRESSOR                  | 1     | PVDF  |  |
| 5  | CUSHION COVER               | 1     | □nothing (standard)<br>□PVDF  | used for PTFE diaphragm                            |
| 4  | CUSHION                     | 1     | EPDM  | used for PTFE diaphragm                            |
| 3b | DIAPHRAGM PIN               | 1     | STAINLESS STEEL   | SUS304   |
| 3a | INSERTED METAL OF DIAPHRAGM | 1     | STAINLESS STEEL   | SUS304   |
| 3  | DIAPHRAGM                   | 1     | □EPDM<br>□PTFE<br>□others ( )   |  |
| 2  | BONNET                      | 1     | BODY/BONNET<br>□PVC/PVC<br>□C-PVC/PP<br>□PP/PP<br>□PVDF/PPG<br>□PVDF/PVDF |  |
| 1  | BODY                        | 1     |   |  |

| No.   | DESCRIPTION | QTY.        | MATERIAL | REMARKS |
|---|-------------|-------------|----------|---------|
| DIAPHRAGM VALVE (TYPE 14) ASS'Y<br>ANSI Class 150: FLANGED END<br>2 1/2" (65mm) ~ 4" (100mm)<br>□GRINNEL STANDARD, □AV STANDARD |             |             |          |         |
| DRAWN   | M.Iwakiri   | DATE        | SCALE    |         |
| CHECKED   | H.Kawano    | FEB.12.2019 |          |         |
| APPROVED  | K.Koushou   | DRAWING No. |          |         |
| SPECIAL ORDER No.   | D1-M1002AE  |             |          |         |
| <b>ASAHI YUKIZAI CORPORATION</b>  |             |             |          |         |



In case material of diaphragm is PTFE with cushion cover



In case material of diaphragm is PTFE

