

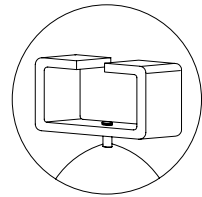
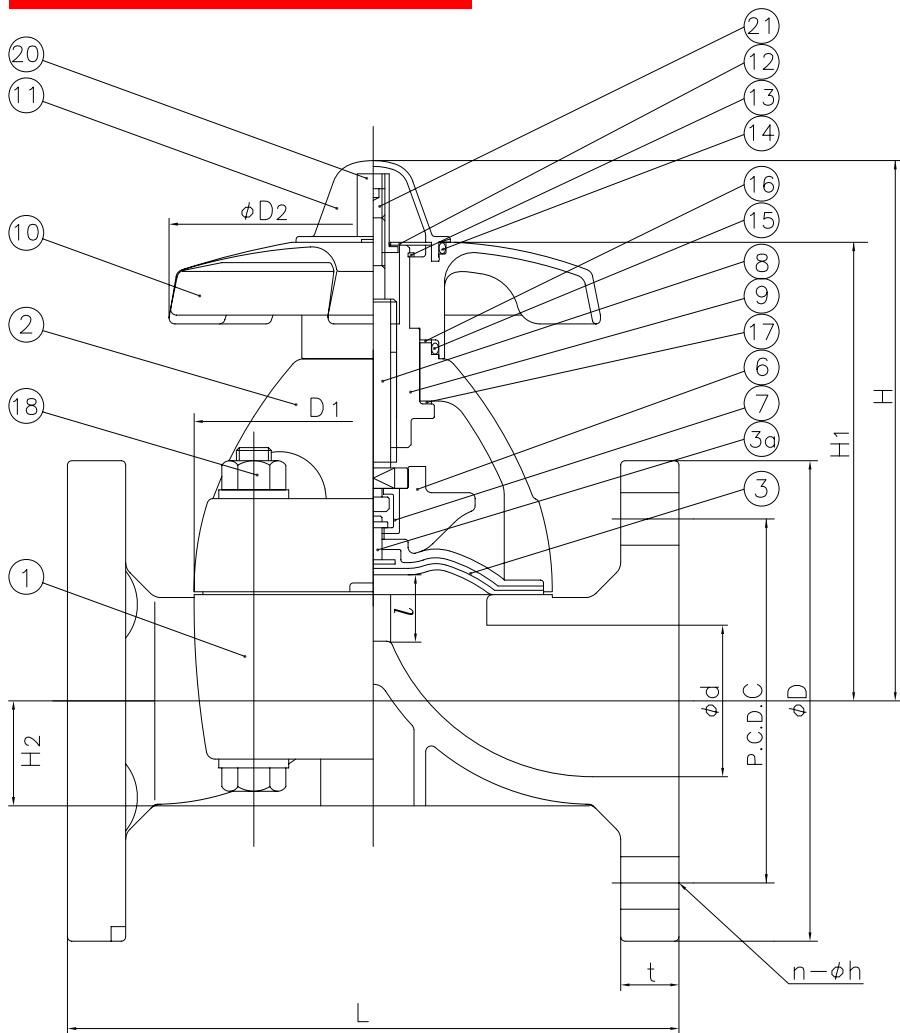
**FOR REFERENCE ONLY  
ASAHI/AMERICA**

**DIMENSIONS TABLE**

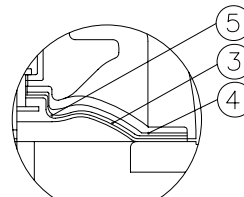
UNIT : INCH

| NOMINAL SIZE | d    | ANSI Class 150 |      |      |   |      | D <sub>1</sub> | D <sub>2</sub> | l (LIFT) | L    | t    | H    | H <sub>1</sub> | H <sub>2</sub> | S    | S <sub>1</sub> | S <sub>2</sub> |
|--------------|------|----------------|------|------|---|------|----------------|----------------|----------|------|------|------|----------------|----------------|------|----------------|----------------|
|              |      | C              | D    | n    | h |      |                |                |          |      |      |      |                |                |      |                |                |
| 1/2"         | 15mm | 0.63           | 2.38 | 3.50 | 4 | 0.62 | 2.13x2.60      | 3.46           | 0.39     | 4.25 | 0.43 | 4.09 | 3.39           | 0.49           | 0.98 | 0.28           | 0.51           |
| 3/4          | 20   | 0.79           | 2.75 | 3.88 | 4 | 0.62 | 2.13x2.60      | 3.46           | 0.39     | 5.88 | 0.51 | 4.17 | 3.46           | 0.57           | 0.98 | 0.28           | 0.51           |
| 1            | 25   | 0.98           | 3.12 | 4.25 | 4 | 0.62 | 2.64x3.15      | 3.46           | 0.47     | 5.88 | 0.59 | 4.37 | 3.66           | 0.73           | 0.98 | 0.28           | 0.51           |
| 1 1/4        | 32   | 1.26           | 3.50 | 4.62 | 4 | 0.62 | 2.64x3.15      | 3.46           | 0.47     | 6.38 | 0.63 | 4.57 | 3.82           | 0.89           | 0.98 | 0.28           | 0.51           |
| 1 1/2        | 40   | 1.57           | 3.88 | 5.00 | 4 | 0.62 | 4.25x4.25      | 6.14           | 0.83     | 6.94 | 0.63 | 6.97 | 5.67           | 1.08           | 1.77 | 0.35           | 0.59           |
| 2            | 50   | 2.05           | 4.75 | 6.00 | 4 | 0.75 | 4.84x4.84      | 6.14           | 0.98     | 7.94 | 0.79 | 7.52 | 6.22           | 1.42           | 1.77 | 0.35           | 0.59           |

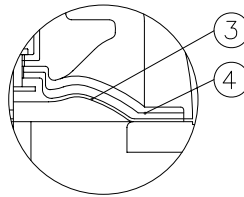
NOTE. 1. The shape and appearance of assembly differ a little with nominal size compared to this drawing.



In case of Palladium Titanium (threaded connection)

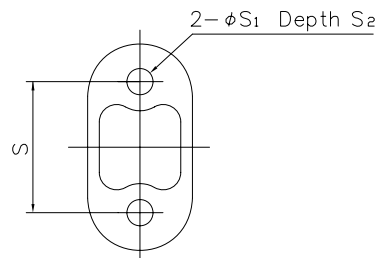


In case of PVDF body and PTFE diaphragm



In case of PTFE diaphragm

|     |                             |           |  |                         |
|-----|-----------------------------|-----------|--|-------------------------|
| 21  | SCREW                       | 1         | STAINLESS STEEL 304  |                         |
| 20  | STOPPER (A)                 | 1         | COPPER ALLOY (C3604)   |                         |
| 18  | BOLT · NUT                  | 4sets     | <input type="checkbox"/> STAINLESS STEEL 304<br><input type="checkbox"/> Others ( )                                    |                         |
| 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 304  |                         |
| 12  | NAME PLATE                  | 1         | PVC  |                         |
| 11  | GAUGE COVER                 | 1         | PC   |                         |
| 10  | HAND WHEEL                  | 1         | PP   |                         |
| 9   | SLEEVE                      | 1         | COPPER ALLOY (C3604)   |                         |
| 8   | STEM                        | 1         | COPPER ALLOY (C3604)   |                         |
| 7   | JOINT                       | 1         | <input type="checkbox"/> STAINLESS STEEL 304<br><input type="checkbox"/> PALLADIUM TITANIUM                            |                         |
| 6   | COMPRESSOR                  | 1         | PVDF   |                         |
| 5   | PVDF GAS BARRIER            | 1         | PVDF   |                         |
| 4   | CUSHION                     | 1         | EPDM   | used for PTFE diaphragm |
| 3a  | INSERTED METAL OF DIAPHRAGM | 1         | <input type="checkbox"/> STAINLESS STEEL 304<br><input type="checkbox"/> PALLADIUM TITANIUM                            |                         |
| 3   | DIAPHRAGM                   | 1         | <input type="checkbox"/> EPDM<br><input type="checkbox"/> PTFE<br><input type="checkbox"/> Others ( )                  |                         |
| 2   | BONNET                      | 1         | BODY/BONNET<br><input type="checkbox"/> PVC/PVC<br><input type="checkbox"/> C-PVC/PP<br><input type="checkbox"/> PP/PP |                         |
| 1   | BODY                        | 1         | <input type="checkbox"/> PVDF/PPG<br><input type="checkbox"/> PVDF/PVDF  |                         |
| No. | DESCRIPTION                 | No. REQ'D | MATERIAL   | REMARKS                 |



(Detail of holes for insert metal fittings)

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|         | NAME           | DATE    |
|---------|----------------|---------|
| DR      | JOHN GLASSFORD | 7/22/05 |
| APPD    | DAVE HURLEY    | 7/22/05 |
| PROD    | LEO LESTER     | 7/22/05 |
| WO#/CO# |                |         |
| FILE    |                |         |

**ASAHI/AMERICA**

ISO 9001 CERTIFIED

35 GREEN STREET, P.O. BOX 653, MALDEN, MA.



DIAPHRAGM VALVE  
TYPE14  
1/2" THRU 2"

|       |     |          |              |     |   |
|-------|-----|----------|--------------|-----|---|
| SIZE  | A   | DWG. NO. | 0055DI       | REV | E |
| SCALE | NTS |          | SHEET 1 OF 1 |     |   |