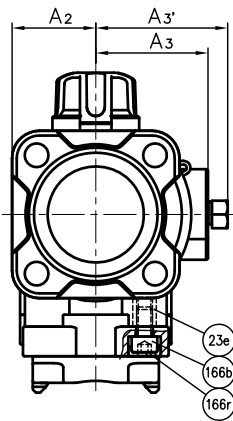
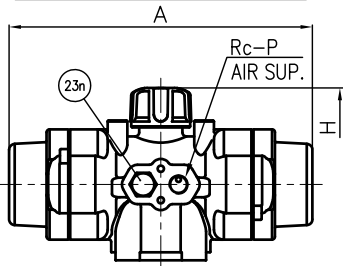


DIMENSIONS TABLE

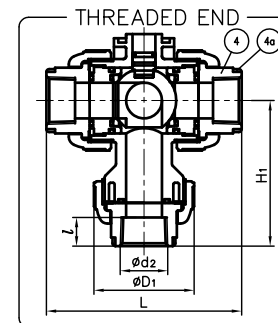
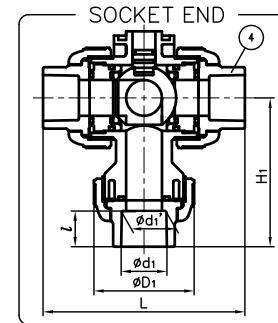
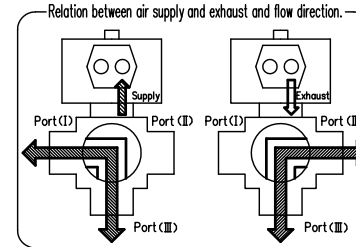
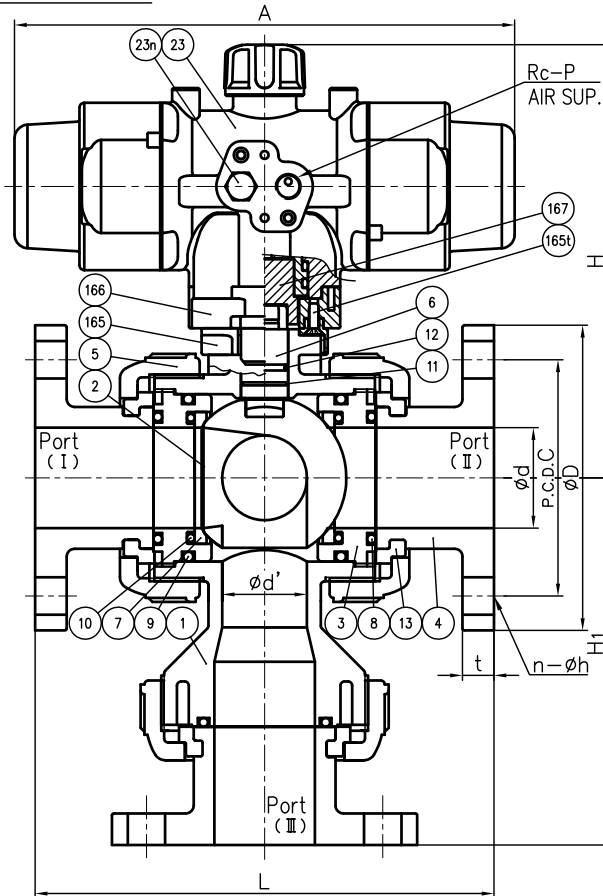
| Nominal Size | d     | d' | FLANGE END     |     |       |   |    |     |                |                |                  |       |       |                |                |       |      |                |                | SOCKET END        |    |                |                |     |       |                |                |                  |    |     | THREADED END |  |  |  |  |  |  |  |  |  |  | Unit: mm |  |  |  |  |  |  |  |  |  |  | ACTUATOR TYPE |
|--------------|-------|----|----------------|-----|-------|---|----|-----|----------------|----------------|------------------|-------|-------|----------------|----------------|-------|------|----------------|----------------|-------------------|----|----------------|----------------|-----|-------|----------------|----------------|------------------|----|-----|--------------|--|--|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|--|---------------|
|              |       |    | ANSI Class 150 |     |       |   |    |     |                | PVC, C-PVC     |                  |       |       |                | PP,PVDF        |       |      |                |                |                   |    |                |                |     |       |                |                |                  |    |     |              |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |
|              |       |    | D              | C   | n     | h | L  | t   | H <sub>1</sub> | d <sub>1</sub> | d <sub>1</sub> ' | l     | L     | H <sub>1</sub> | d <sub>1</sub> | l     | L    | H <sub>1</sub> | d <sub>2</sub> | l                 | L  | H <sub>1</sub> | D <sub>1</sub> | H   | A     | A <sub>2</sub> | A <sub>3</sub> | A <sub>3</sub> ' | P  |     |              |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |
|              |       |    | ASTM SCH80     |     |       |   |    |     |                |                |                  |       |       |                |                |       |      |                |                |                   |    |                |                |     |       |                |                |                  |    |     |              |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |
| 15mm         | 1/2"  | 15 | 15             | 89  | 60.5  | 4 | 16 | 143 | 12             | 94             | 21.54            | 21.23 | 22.22 | 113            | 78             | 20.96 | 22.2 | 113            | 79             | 1/2 - 14 NPT      | 15 | 102            | 74             | 48  | 131   | 154            | 28             | 38               | 46 | 1/8 | AR040NC20CN  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |
| 20           | 3/4   | 20 | 20             | 98  | 70.0  | 4 | 16 | 172 | 14             | 115            | 26.87            | 26.57 | 25.40 | 129            | 90             | 26.16 | 25.4 | 129            | 92             | 3/4 - 14 NPT      | 17 | 120            | 89             | 60  | 137.5 | 154            | 28             | 38               | 46 | 1/8 | AR040NC20CN  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |
| 25           | 1     | 25 | 25             | 108 | 79.5  | 4 | 16 | 187 | 14             | 133            | 33.65            | 33.27 | 28.58 | 146            | 110            | 33.02 | 28.6 | 146            | 111            | 1 - 1 1/2 NPT     | 20 | 131            | 105            | 70  | 169   | 194            | 35             | 49               | 59 | 1/4 | AR050NC30CN  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |
| 32           | 1 1/4 | 40 | 32             | 117 | 89.0  | 4 | 16 | 212 | 16             | 165            | 42.42            | 42.04 | 31.75 | 174            | 140            | 41.91 | 31.8 | 179            | 147            | 1 1/4 - 1 1/2 NPT | 22 | 163            | 141            | 100 | 208.5 | 254            | 42.5           | 57               | 67 | 1/4 | AR063NC40CN  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |
| 40           | 1 1/2 | 40 | 32             | 127 | 98.5  | 4 | 16 | 212 | 16             | 165            | 48.56            | 48.11 | 34.93 | 184            | 145            | 48.01 | 34.9 | 184            | 149            | 1 1/2 - 1 1/2 NPT | 25 | 163            | 141            | 100 | 208.5 | 254            | 42.5           | 57               | 67 | 1/4 | AR063NC40CN  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |
| 50           | 2     | 51 | 43             | 152 | 120.5 | 4 | 19 | 234 | 16             | 187            | 60.63            | 60.17 | 38.10 | 209            | 169            | 59.94 | 38.1 | 209            | 172            | 2 - 1 1/2 NPT     | 28 | 197            | 168            | 126 | 220   | 254            | 42.5           | 57               | 67 | 1/4 | AR063NC40CN  |  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |  |               |



Actuator Shape (AR040)



FLANGE END



NOTE.

1. Operating Pressure: 0.4~0.7MPa G
2. Port I ↔ II: Supply  
Port II ↔ III: Exhaust
3. The shape and appearance of assembly differ a little with nominal size compared to this drawing.

| 4a   | RING                   | 3    | STAINLESS STEEL (SUS304) | Used for C-PVC Body, Threaded End: 15~25mm |
|------|------------------------|------|--------------------------|--|
| 167  | SHAFT ADAPTER          | 1    | COPPER ALLOY (C3604)     |  |
| 166r | CAP (No.166)           | 4    | EPDM                     |  |
| 166b | BOLT (No.166)          | 4    | STAINLESS STEEL (SUS304) |  |
| 166  | CONNECTOR PLATE        | 1    | PPG                      |  |
| 165t | TAPPING SCREW (No.165) | 2    | STAINLESS STEEL (SUS304) |  |
| 165  | BASE PLATE             | 1    | PPG                      |  |
| 23n  | NIPPLE (No.23)         | 1    | PPG                      |  |
| 23e  | ENSAT (No.23)          | 4    | COPPER ALLOY (C3604)     |  |
| 23   | ACTUATOR               | 1    | PPG etc.                 |  |
| 13   | STOP RING              | 3    | PVDF                     | Used for Flanged End                       |
| 12   | O-RING (E)             | 1    |                          |  |
| 11   | O-RING (D)             | 1    | □EPDM                    |  |
| 10   | O-RING (C)             | 2    | □FKM                     |  |
| 9    | O-RING (B)             | 2    | □Others                  |  |
| 8    | O-RING (A)             | 3    | ( )                      |  |
| 7    | SEAT                   | 2    | PTFE                     |  |
| 6    | STEM                   | 1    |                          |  |
| 5    | UNION NUT              | 3    | □PVC                     |  |
| 4    | END CONNECTOR          | 3    | □C-PVC                   |  |
| 3    | CARRIER                | 2    | □PP                      |  |
| 2    | BALL                   | 1    | □PVDF                    |  |
| 1    | BODY                   | 1    |                          |  |
| No.  | DESCRIPTION            | QTY. | MATERIAL                 | REMARKS                                    |

|                   |   |             |             |  |
|-------------------|---|-------------|-------------|--|
| ITEM              | 3-WAY BALL VALVE (TYPE 23) PNEUMATIC MODEL AIR TYPE ASSY<br>AIR TO SHUT: DOUBLE L-PORT TYPE<br>ANSI: □ FLANGED END, □ SOCKET END, □ THREADED END<br>15mm (1/2") ~ 50mm (2") |             |             |  |
| DRAWN             | E.Emmei   | DATE        | SCALE       |  |
| CHECKED           | H.Kawano  | JUN.26.2019 | DRAWING No. |  |
| APPROVED          | K.Koushou   | T3-AA057AE  | △           |  |
| SPECIAL ORDER No. | ASAHI YUKIZAI CORPORATION   |             |             |  |