

# ASAHI VALVE AND PIPING SYSTEMS

## ASAHI AV VALVES

**ROTARY DAMPER 40mm - 600mm(1<sup>1</sup>/<sub>2</sub>inch - 24inch)**



# ROTARY DAMPER (PVC,PP) 40mm - 600mm(1½inch - 24inch)

## FEATURES

**DAMPER STYLE** is Designed for Flow Control.

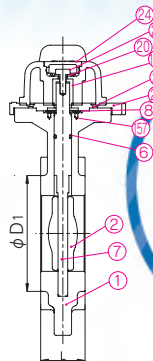
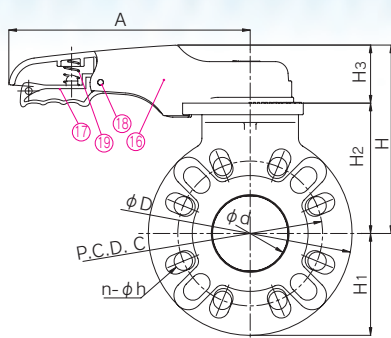
Note : DAMPER STYLE is not a tight shut off valve.  
Consult factory for Leakage rates.

## SPECIFICATIONS

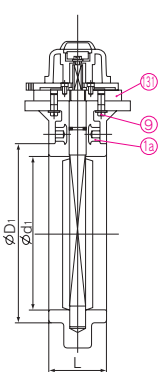
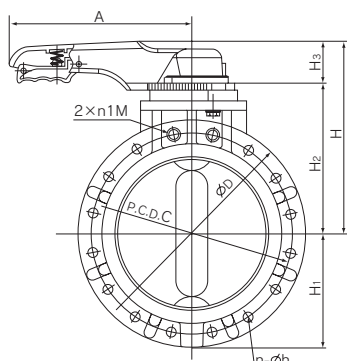
| Body material | Nominal size mm(inch) | Working Temperature °C(B °F) | Max. Working Pressure (at R.T.) MPa{kgf/cm²}[PSI] |                         |                         |
|---------------|-----------------------|------------------------------|---------------------------------------------------|-------------------------|-------------------------|
|               |                       |                              | 40(1½inch)~200(8inch)                             | 250(10inch)~350(14inch) | 400(16inch)~600(24inch) |
| PVC           | 40 - 350 (1½ - 14)    | 0 - 50 (30 - 120)            | 0.1 {1.0} [15]                                    | 0.05 {0.5} [7]          | —                       |
| PP            | 40 - 600 (1½ - 24)    | -20 - 80 (-5 - 175)          | 0.1 {1.0} [15]                                    | 0.05 {0.5} [7]          | 0.05 {0.5} [7]          |
| PVDF          | 40 - 600 (1½ - 24)    | -20 - 120 (-5 - 250)         | 0.1 {1.0} [15]                                    | 0.05 {0.5} [7]          | 0.05 {0.5} [7]          |

● PVC

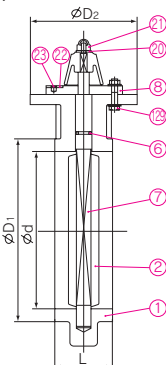
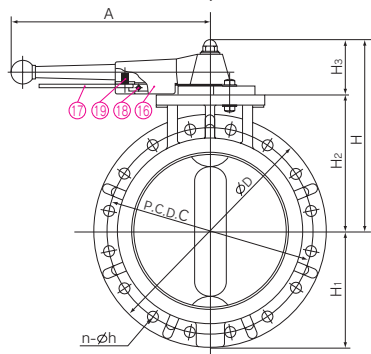
● PVC, PP  
40mm - 200mm (1½inch - 8inch)



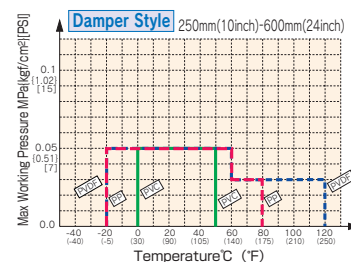
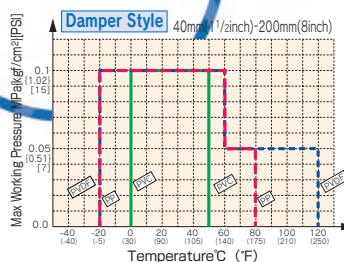
250mm - 400mm (10inch - 16inch)



450mm - 600mm (16inch - 24inch)



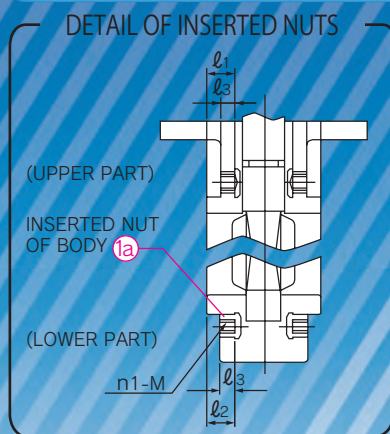
## WORKING PRESSURE VS. TEMPERATURE



## PARTS & MATERIALS

| No. | DESCRIPTION              | Pcs. | MATERIAL            | REMARKS       |
|-----|--------------------------|------|---------------------|---------------|
| ①   | BODY                     | 1    | BODY/DISC/STEM      |               |
| ②   | DISC                     | 1    | PVC/PP/PVC          |               |
| ⑦   | STEM                     | 1    | PP/PP/PP            |               |
| ⑥   | O-RING(C)                | 1    | EPDM, FKM, OTHERS   |               |
| ⑧   | STEM HOLDER(A)           | 1    | STAINLESS STEEL304  | 40mm - 200mm  |
| ⑨   | BOLT(A)                  | 3    | STAINLESS STEEL304  | 450mm - 600mm |
| ⑩   | HANDLE(A)                | 1    | PP                  |               |
| ⑪   | INSERTED METAL OF HANDLE | 1    | STAINLESS STEEL316  | 40mm - 400mm  |
| ⑫   | HANDLE LEVER             | 1    | PPG                 | 40mm - 400mm  |
| ⑬   | PIN                      | 1    | STAINLESS STEEL304  | 450mm - 600mm |
| ⑭   | SPRING                   | 1    | PPG                 | 40mm - 400mm  |
| ⑮   | WASHER(A)                | 1    | STAINLESS STEEL304  | 40mm - 400mm  |
| ⑯   | BOLT(B)                  | 1    | STAINLESS STEEL304  | 450mm - 600mm |
| ⑰   | NUT(B)                   | 1    | STAINLESS STEEL304  | 40mm - 400mm  |
| ⑱   | LOCKING PLATE            | 1    | PPG                 | 450mm - 600mm |
| ⑲   | SCREW(B)                 | 4    | STAINLESS STEEL304  | 40mm - 400mm  |
| ⑳   | CAP(A)                   | 1    | PP                  | 450mm - 600mm |
| ㉑   | BOLT · NUT(N)            | 3    | STAINLESS STEEL304  | 40mm - 400mm  |
| ㉒   | STEM                     | 1    | PPG                 | 450mm - 600mm |
| ㉓   | INSERTED METAL OF BODY   | 4    | COPPER ALLOY(C3604) | 250mm - 400mm |

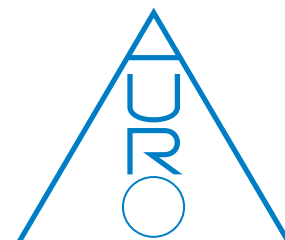
## DIMENSIONS TABLE



| DIN          |       |     |           |    |    |                          |     |     |     |                |                |                | Unit:mm |
|--------------|-------|-----|-----------|----|----|--------------------------|-----|-----|-----|----------------|----------------|----------------|---------|
| Nominal Size |       | d   | DIN PN 10 |    |    | D <sub>1</sub><br>PVC,PP | D   | L   | H   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | A       |
| mm           | inch  |     | C         | n  | h  |                          |     |     |     |                |                |                |         |
| 40           | 1 1/2 | 47  | 110       | 4  | 18 | 86                       | 150 | 32  | 156 | 75             | 100            | 56             | 220     |
| 50           | 2     | 58  | 125       | 4  | 18 | 96                       | 165 | 35  | 166 | 83             | 110            | 56             | 220     |
| 65           | 2 1/2 | 71  | 145       | 4  | 18 | 116                      | 185 | 37  | 176 | 93             | 120            | 56             | 220     |
| 80           | 3     | 79  | 160       | 8  | 18 | 120                      | 211 | 37  | 191 | 106            | 135            | 56             | 250     |
| 100          | 4     | 104 | 180       | 8  | 18 | 152                      | 238 | 47  | 206 | 119            | 150            | 56             | 250     |
| 125          | 5     | 131 | 210       | 8  | 18 | 190                      | 264 | 57  | 237 | 132            | 168            | 69             | 320     |
| 150          | 6     | 152 | 240       | 8  | 22 | 208                      | 285 | 62  | 252 | 143            | 183            | 69             | 320     |
| 200          | 8     | 197 | 295       | 8  | 22 | 264                      | 340 | 76  | 283 | 170            | 214            | 69             | 400     |
| 250          | 10    | 247 | 350       | 12 | 23 | 321                      | 406 | 96  | 342 | 203            | 273            | 69             | 400     |
| 300          | 12    | 298 | 400       | 12 | 23 | 370                      | 483 | 116 | 399 | 242            | 330            | 69             | 400     |
| 350          | 14    | 347 | 460       | 16 | 23 | 420                      | 520 | 116 | 426 | 260            | 338            | 69             | 400     |
| 400          | 16    | 394 | 515       | 16 | 27 | 470                      | 600 | 157 | 451 | 300            | 382            | 69             | 400     |
| 450          | 18    | 441 | 565       | 20 | 27 | 525                      | 630 | 167 | 496 | 315            | 370            | 126            | 323     |
| 500          | 20    | 488 | 620       | 20 | 27 | 575                      | 699 | 177 | 526 | 350            | 400            | 126            | 323     |
| 600          | 24    | 600 | 725       | 20 | 30 | 686                      | 813 | 197 | 591 | 424            | 465            | 126            | 323     |

| ANSI         |     |       |                |    |      |                          |       |      |       |                |                |                | Unit:inch |
|--------------|-----|-------|----------------|----|------|--------------------------|-------|------|-------|----------------|----------------|----------------|-----------|
| Nominal Size |     | d     | ANSI Class 150 |    |      | D <sub>1</sub><br>PVC,PP | D     | L    | H     | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | A         |
| inch         | mm  |       | C              | n  | h    |                          |       |      |       |                |                |                |           |
| 1 1/2        | 40  | 1.83  | 3.68           | 4  | 0.63 | 3.39                     | 5.91  | 1.26 | 6.14  | 2.95           | 3.94           | 2.20           | 8.66      |
| 2            | 50  | 2.26  | 4.74           | 4  | 0.75 | 3.78                     | 6.50  | 1.38 | 6.54  | 3.25           | 4.33           | 2.20           | 8.66      |
| 2 1/2        | 65  | 2.78  | 5.49           | 4  | 0.75 | 4.57                     | 7.28  | 1.46 | 6.93  | 3.64           | 4.72           | 2.20           | 8.66      |
| 3            | 80  | 3.09  | 6.00           | 4  | 0.75 | 4.72                     | 8.31  | 1.46 | 7.52  | 4.15           | 5.31           | 2.20           | 9.84      |
| 4            | 100 | 4.07  | 7.50           | 8  | 0.75 | 5.98                     | 9.37  | 1.85 | 8.11  | 4.69           | 5.91           | 2.20           | 9.84      |
| 5            | 125 | 5.14  | 8.50           | 8  | 0.87 | 7.48                     | 10.39 | 2.24 | 9.33  | 5.20           | 6.61           | 2.72           | 12.60     |
| 6            | 150 | 5.96  | 9.51           | 8  | 0.87 | 8.19                     | 11.22 | 2.44 | 9.92  | 5.61           | 7.20           | 2.72           | 12.60     |
| 8            | 200 | 7.76  | 11.75          | 8  | 0.87 | 10.39                    | 13.39 | 2.99 | 11.14 | 6.69           | 8.43           | 2.72           | 15.75     |
| 10           | 250 | 9.72  | 14.25          | 12 | 0.98 | 12.64                    | 15.98 | 3.78 | 13.46 | 7.99           | 10.75          | 2.72           | 15.75     |
| 12           | 300 | 11.73 | 17.01          | 12 | 0.98 | 14.57                    | 19.02 | 4.57 | 15.71 | 9.53           | 12.99          | 2.72           | 15.75     |
| 14           | 350 | 13.66 | 18.74          | 12 | 1.14 | 16.54                    | 20.47 | 4.57 | 16.77 | 10.24          | 13.31          | 2.72           | 15.75     |
| 16           | 400 | 15.51 | 21.24          | 16 | 1.14 | 18.50                    | 23.62 | 6.18 | 17.76 | 11.81          | 15.04          | 2.72           | 15.75     |
| 18           | 450 | 17.36 | 22.76          | 16 | 1.26 | 20.67                    | 24.80 | 6.57 | 19.53 | 12.40          | 14.57          | 4.69           | 12.72     |
| 20           | 500 | 19.21 | 25.00          | 20 | 1.26 | 22.64                    | 27.52 | 6.97 | 20.71 | 13.78          | 15.75          | 4.96           | 12.72     |
| 24           | 600 | 23.62 | 29.51          | 20 | 1.38 | 27.01                    | 32.01 | 7.76 | 23.27 | 16.69          | 18.31          | 4.96           | 12.72     |

Note : The shape and appearance of the valve differ a little with nominal size compared to the drawing.



## AURO LOCATIONS

AURO Armaturen- und RohrhandelsgesmbH  
Lichtblaustraße 21  
A-1220 Wien  
Austria  
Tel: +43/1/2565555  
Fax: +43/1/25655555  
E-Mail: wien@auro.cc

AURO Bulgaria EOOD  
Illianci  
3, Azalia Str.  
BG-Sofia 1271  
Bulgaria  
Tel: +359/2/4894519  
Fax: +359/2/4894722  
E-Mail: bulgaria@auro.cc

AURO spol s.r.o  
Technická 2/539  
CZ-66448 Moravany u Brna  
Czech Republic  
Tel: +420/54/5233328  
Fax: +420/54/5234753  
E-Mail: auro@auro.cz

SC AURO Romania SRL  
25-27, Celofibre Str.  
RO-077025 Bragadiru  
Judetul Ilfov  
Romania  
Tel: +40/21/4205217  
Fax: +40/21/4205218  
E-Mail: romania@auro.cc

AURO Budapest Kft.  
Gyár u. 2  
H-2040 Budaörs  
Hungaria  
Tel: +36/23/503920  
Fax: +36/23/503921  
E-Mail: aurobp@aurobp.hu