



# DELTA SV/SVS

Whether you need manually or pneumatically controlled butterfly valves for preassembled valve manifolds, the DELTA SV/SVS series from APV is the answer. A robust and reliable shut-off element with a long service life.

The DELTA SV/SVS valves have been used for many years in the brewery, beverage, dairy, food, pharmaceutical and chemical industries.

## Characteristics

The product passages are smooth and the special seals ensure a thorough cleaning. The valves have a unique metallic stop preventing the valve flanges from being tightened too much. This feature also protects the valve seal from mechanical stress and thus lengthens the seal life. Only one actuator covers all diameters from 1" - 4" (25-100 mm). Sliding bearings on the pivots of the discs increase operating reliability. All valves are equipped with optical position indicators.

## Operation

The DELTA SV/SVS butterfly valves are optionally equipped with manual controls and closed position locks, manual controls with setting device or with a pneumatic actuator. The actuator is fully welded and maintenance-free with a five-year APV guarantee. It can be supplied as required with spring/air or air/air function. The actuator can be equipped with the wide range of APV's control units.

## Special Features of SVS Valves

The SVS valve has been designed specifically for applications where valves are installed in lengthy or fixed pipelines, or restricted access areas. By a simple removal of the flange bolts, the valves can be easily accessed/removed to perform routine seal checks and seal replacement.



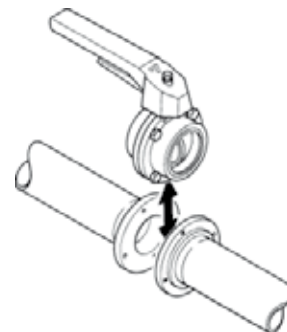
### DELTA SVS

Valve with pneumatic actuator and unique "wafer type" flange assembly.



### DELTA SV

Manually operated valve.



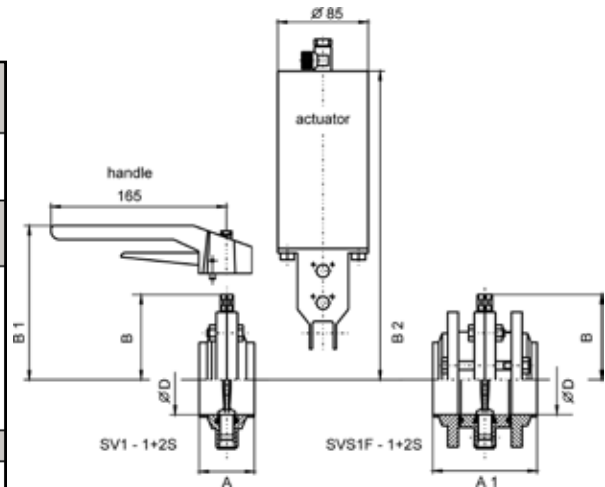
## Dimensions

| DN          | A     |      | A1    |     | B     |      | ØD    |      | B1    |     | B2     |       |
|-------------|-------|------|-------|-----|-------|------|-------|------|-------|-----|--------|-------|
|             | in.   | mm.  | in.   | mm. | in.   | mm.  | in.   | mm.  | in.   | mm. | in.    | mm.   |
| 25          | 2.047 | 52   | 3.858 | 98  | 2.165 | 55   | 1.024 | 26   | 3.425 | 87  | 10.669 | 271   |
| 40          | 2.047 | 52   | 3.858 | 98  | 2.520 | 64   | 1.496 | 38   | 3.780 | 96  | 11.024 | 280   |
| 50          | 2.047 | 52   | 3.858 | 98  | 2.756 | 70   | 1.968 | 50   | 4.016 | 102 | 11.260 | 286   |
| 65          | 2.063 | 52.4 | 3.858 | 98  | 3.150 | 80   | 2.598 | 66   | 4.331 | 110 | 11.575 | 294   |
| 80          | 2.063 | 52.4 | 3.858 | 98  | 3.465 | 88   | 3.189 | 81   | 4.606 | 117 | 11.870 | 301.5 |
| 100         | 2.063 | 52.4 | 3.858 | 98  | 3.819 | 97   | 3.937 | 100  | 5.000 | 127 | 12.264 | 311.5 |
| <b>Tube</b> |       |      |       |     |       |      |       |      |       |     |        |       |
| 1"          | 2.047 | 52   | 3.858 | 98  | 2.165 | 55   | 0.870 | 22.6 | 3.425 | 87  | 10.591 | 269   |
| 1.5"        | 2.047 | 52   | 3.858 | 98  | 2.500 | 63.5 | 1.370 | 34.8 | 3.780 | 96  | 10.945 | 278   |
| 2"          | 2.047 | 52   | 3.858 | 98  | 2.756 | 70   | 1.870 | 47.8 | 4.016 | 102 | 11.181 | 284   |
| 2.5"        | 2.063 | 52.4 | 3.858 | 98  | 3.150 | 80   | 2.370 | 60.3 | 4.331 | 110 | 11.457 | 291   |
| 3"          | 2.063 | 52.4 | 3.858 | 98  | 3.287 | 83.5 | 2.870 | 72.9 | 4.449 | 113 | 11.870 | 301.5 |
| 4"          | 2.063 | 52.4 | 3.858 | 98  | 3.839 | 97.5 | 3.834 | 97.6 | 5.000 | 127 | 12.185 | 309.5 |

The butterfly valve program includes connection types like butt-weld and tri-clamp as standard. Other connection types are available upon request.

## Technical Data

|                           |  |
|---------------------------|--|
| Sizes                     | DELTA SV : 1" - 4" and DN25 - 100<br>DELTA SVS: 1" - 4" and DN25 - 100   |
| Product wetted parts      | 1" - 4"/DN125 - 250 AISI 316L<br>DN25 - 100 AISI 304 or AISI 316L  |
| Seal materials            | EPDM, HNBR, FPM, VMQ<br>All seals comply with the FDA requirements.  |
| Max. temperature          | EPDM, HNBR: 275°F / 135°C<br>short time: 284°F / 140°C<br>VMQ: 212°F / 100°C<br>FPM: 212°F / 100°C<br>FPM not to be used for hot water |
| Max. line pressure        | 145 psig / 10 bar  |
| Min. control air pressure | 1" - 2.5" / DN25 - 65 - 72.5 psig / 5 bar  |
| Max. control air pressure | 145 psig / 10 bar  |



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