



## CHEMVALVE-SCHMID Wafer type check valve Series: PrimeSwing CSC Type: 72828RVS Stainless steel Wafer type PN40

Stainless steel wafer type check valve with swing type disc and spring, pressure class PN40.

### Characteristics

**Series:** PrimeSwing CSC  
**Type:** 72828RVS  
**Norm:** EN [DIN]  
**Housing material:** Stainless steel  
**Material quality:** 1.4408  
**Connection:** Wafer type  
**Face to Face norm:** Manufacturer standard  
**With spring:** Yes  
**Spring material:** 1.4401  
**Minimum medium temperature (continuous):** -10 °C  
**Maximum pressure difference at 20 °C:** 40 bar

### Application

- General industry.
- Corrosive liquids and gases.
- Hot or cold [sea] water, etc.
- Suitable for horizontal and vertical (rising flow) mounting.

### Technical Information

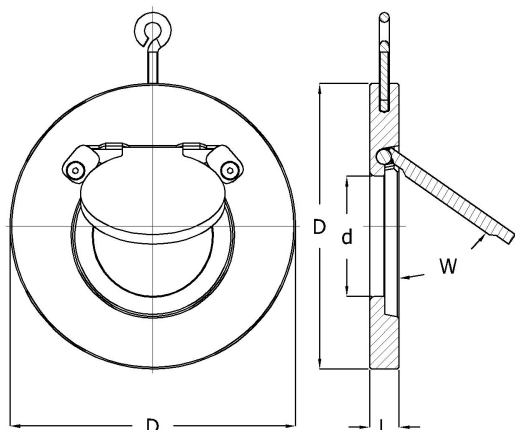
- Mounting between EN [DIN] and/or ASME flanges, varies by size.
- In certain size/pressure class combinations provided with a centering ring.
- Very short Face to Face length.
- Light weight.
- Equipped with lifting eye.
- Testing: EN 12266-1.
- Leakage Class EN 12266-1: with metal or PTFE seal Class D, with EPDM, NBR or FKM seal Class A.
- Information on opening pressures on request.

### Options

- Available without spring; type 72827RVS.
- Available in steel; type 72828ST.
- Available in polypropylene; type 72828PP.
- Available with soft seal: EPDM, NBR, FKM or PTFE.
- Available in larger sizes.
- Available with O-ring in flange sealing faces, to replace flange gaskets.
- Calculation of the correct size based on process flow data.

Size table:

| DN            | d<br>mm | D<br>mm | L<br>mm | W<br>° | Weight<br>kg |
|---------------|---------|---------|---------|--------|--------------|
| DN50 - 2"     | 25      | 107     | 16.5    | 55     | 1.2          |
| DN65 - 2.1/2" | 38      | 127     | 16.5    | 60     | 1.6          |
| DN80 - 3"     | 46      | 142     | 17.5    | 55     | 2.1          |
| DN100 - 4"    | 71.5    | 162     | 17.5    | 55     | 2.6          |
| DN125 - 5"    | 95      | 192     | 19.5    | 55     | 4            |
| DN150 - 6"    | 114     | 218     | 19.5    | 60     | 6            |
| DN200 - 8"    | 140     | 273     | 30      | 55     | 12           |



| Pressure rating<br>flange | Centering ring |       |       |       |       |       |
|---------------------------|----------------|-------|-------|-------|-------|-------|
|                           | Size           |       |       |       |       |       |
|                           | DN100          | DN125 | DN150 | DN200 | DN250 | DN300 |
| PN25                      | X              |       | X     | X     | X     | X     |
| PN40                      | X              |       | X     | X     | X     | X     |
| Class 150                 | X              |       |       |       | X     | X     |
| Class 300                 | X              | X     | X     | X     | X     | X     |

X: In this size/pressure rating flange combination the centering ring is included.

| Nominal<br>inner<br>diameter | Standard<br>connection | Pressure<br>rating | Pressure<br>rating flange      | Face to Face<br>length | Valve shape | Kv value | Sealing         | Material disc | Maximum<br>medium<br>temperature<br>(continuous) | Article  |
|------------------------------|------------------------|--------------------|--------------------------------|------------------------|-------------|----------|-----------------|---------------|--------------------------------------------------|----------|
|                              |                        |                    |                                | mm                     |             | m³/h     |                 |               | °C                                               |          |
| DN50 - 2"                    | EN [DIN]/<br>ASME      | PN40               | PN10/16/25/40<br>and Class 300 | 16.5                   | Swing type  | 54       | EPDM            | 1.4408        | 130                                              | 13492849 |
| DN50 - 2"                    | EN [DIN]/<br>ASME      | PN40               | PN10/16/25/40<br>and Class 300 | 16.5                   | Swing type  | 54       | NBR             | 1.4408        | 120                                              | 10050550 |
| DN50 - 2"                    | EN [DIN]/<br>ASME      | PN40               | PN10/16/25/40<br>and Class 300 | 16.5                   | Swing type  | 54       | Stainless steel | 1.4408        | 300                                              | 13641983 |
| DN65 - 2.1/2"                | EN [DIN]/<br>ASME      | PN40               | PN10/16/25/40<br>and Class 300 | 16.5                   | Swing type  | 75       | NBR             | 1.4408        | 120                                              | 10050551 |
| DN80 - 3"                    | EN [DIN]/<br>ASME      | PN40               | PN10/16/25/40<br>and Class 300 | 17.5                   | Swing type  | 112      | NBR             | 1.4408        | 120                                              | 10050552 |
| DN80 - 3"                    | EN [DIN]/<br>ASME      | PN40               | PN10/16/25/40<br>and Class 300 | 17.5                   | Swing type  | 112      | Stainless steel | 1.4408        | 300                                              | 13641985 |
| DN100 - 4"                   | EN [DIN]               | PN40               | PN10/16                        | 17.5                   | Swing type  | 228      | NBR             | 1.4408        | 120                                              | 10050553 |
| DN125 - 5"                   | EN [DIN]/<br>ASME      | PN40               | PN10/16/25/40<br>and Class 150 | 19.5                   | Swing type  | 342      | NBR             | 1.4408        | 120                                              | 10050554 |
| DN150 - 6"                   | EN [DIN]/<br>ASME      | PN40               | PN10/16 and<br>Class 150       | 19.5                   | Swing type  | 490      | EPDM            | 1.4408        | 130                                              | 12554246 |
| DN150 - 6"                   | EN [DIN]/<br>ASME      | PN40               | PN10/16 and<br>Class 150       | 19.5                   | Swing type  | 490      | NBR             | 1.4408        | 120                                              | 10050555 |
| DN200 - 8"                   | EN [DIN]/<br>ASME      | PN40               | PN10/16 and<br>Class 150       | 30                     | Swing type  | 810      | NBR             | 1.4408        | 120                                              | 10050556 |

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