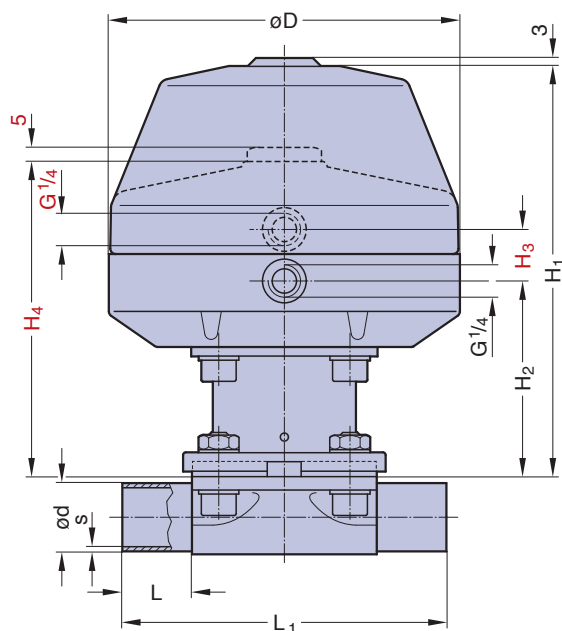


## Pneumatically Operated Valve DN 15 - 100 mm (3/4" - 4")



Cf. 1



### Features

- Plastic diaphragm actuator with stainless steel distance piece
- Control air connection 90° to flow direction
- Flexible diaphragm suspension
- Encapsulated diaphragm
- CDSA sealing concept, see page 32

### Optional

- Available with a wide range of control equipment and accessories see page 118 to 125, also for retrofitting

### Technical Data

Control function (Cf.): Pneumatically operated  
 Fail safe close (NC): Cf. 1  
 Fail safe open (NO): Cf. 2  
 Double acting (DA): Cf. 3

#### Direction

Control connection: At Cf. 1, 2 & 3, 90° to flow direction, standard  
 Max. working pressure: Unidirectional (delta p = 100%)

| Diaphragm | DN 15-50 (1/2"-2") | DN 65-80 (2,5"-3") | DN 100 (4")    |
|-----------|--------------------|--------------------|----------------|
| EPDM      | 10 bar (150 psi)   | 7 bar (100 psi)    | 6 bar (87 psi) |
| PTFE      | 8 bar (115 psi)    | 6 bar (87 psi)     | 5 bar (72 psi) |

Higher working pressure may be achieved with different actuator. Please consult a SED factory representative for working pressure above the indicated maximum.

Max. working temperature: 160°C (320°F) dependent on application

Control pressure:  
 Cf. 1 DN 15-50 4,5 - 6 bar (65-87 psi)  
 Cf. 1 DN 65-80 4,5 - 7 bar (65-100 psi)  
 Cf. 1 DN 100 5,5 - 7 bar (80-100 psi)  
 Cf. 2 & 3 DN 15-80 4 - 5,5 bar (60-80 psi)  
 Cf. 2 & 3 DN 100 5 - 6,5 bar (72-93 psi)

Diaphragm material: EPDM or PTFE  
 Valve body material: Forged 1.4435/ 316 L ASME/BPE  
 Investment cast 1.4435/ 316 L  
 Other alloys

End connection: Butt weld ends see fold out page 21  
 Clamps and flanges see page 22 and 23  
 Special ends

Actuators suitable for: Two-Way bodies  
 Welded configurations  
 T-bodies  
 Multiport bodies  
 Tank bottom bodies

Flow rate: Kv in m³/h (Cv in GPM) see page 9

Diaphragm size: MA see table below

Technical data also valid for multiport valve.

Butt weld ends  
 MA 25 - 100  
 Fold out page 21

| DN<br>(mm) | MA  | Dimensions (mm) |                |                |                |                |                |     | Total weight ca. (kg) |        | Filling volume (NL) |       |
|------------|-----|-----------------|----------------|----------------|----------------|----------------|----------------|-----|-----------------------|--------|---------------------|-------|
|            |     | L               | L <sub>1</sub> | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | D   | Investment cast       | Forged | NC                  | NO/DA |
| 15-25      | 25  | 25              | 120            | 148            | 71             | 31             | 120            | 130 | 1,9                   | 2,0    | 0,15                | 0,11  |
| 32-40      | 40  | 25              | 153            | 194            | 95             | 31             | 144            | 161 | 4,7                   | 4,9    | 0,26                | 0,23  |
| 50         | 50  | 30              | 173            | 233            | 109            | 31             | 177            | 217 | 7,0                   | 8,0    | 0,73                | 0,54  |
| 65         | 80  | 30              | 216            | 314            | 166            | 41             | 275            | 265 | 20,0                  | 23,0   | 2,30                | 1,87  |
| 80         | 80  | 30              | 254            | 314            | 166            | 41             | 275            | 265 | 20,0                  | 23,0   | 2,30                | 1,87  |
| 100        | 100 | 30              | 305            | 314            | 166            | 41             | 284            | 265 | 29,0                  | 27,0   | 2,30                | 2,00  |

Note: H3 and H4 only for valves with Cf. 2 and Cf. 3 H1 only for valve with Cf. 1

Valve type overview see page 26 and 27.  
 Ordering key see page 59 to 61.