

# KMD 385

## Pneumatically Operated Valve DN 15 - 80 mm (1/2" - 3")



Cf. 1

### Features

- Thermoplastic diaphragm actuator direct assembled with the valve body
- Actuator high resistance to heat transfer
- Smooth exterior design ideal for wash downs
- Control air connection 90° to flow direction
- Flexible diaphragm suspension
- Encapsulated diaphragm

### Optional

- Available with a wide range of control equipment and accessories see page 57 to 62, also for retrofitting

### Technical Data

Control function (Cf.): Pneumatically operated  
 Normally closed (NC): Cf. 1  
 Normally open (NO): Cf. 2  
 Double acting (DA): Cf. 3

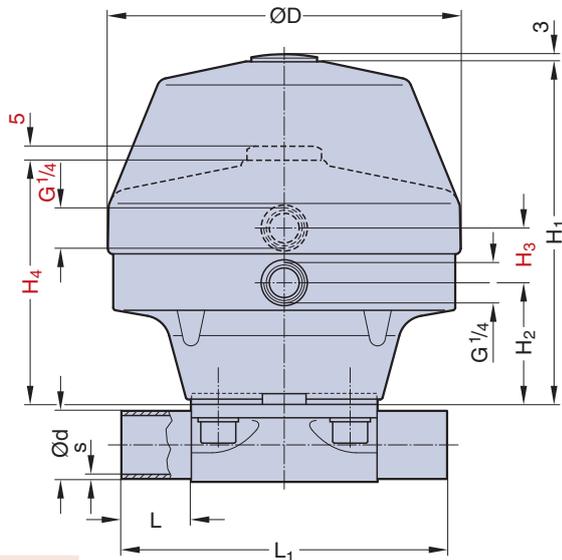
Direction: At Cf. 1, 2 & 3, 90° to flow direction, standard

Control connection: At Cf. 1, 2 & 3, 90° to flow direction, standard

Max. working pressure: Unidirectional (delta p = 100%)

| Diaphragm | DN 15-50 (2")    | DN 65-80 (2,5"-3") |
|-----------|------------------|--------------------|
| EPDM      | 10 bar (150 psi) | 7 bar (100 psi)    |
| PTFE      | 8 bar (120 psi)  | 6 bar (90 psi)     |

Higher working pressure may be achieved with different actuator.  
 Please contact us for working pressure above the indicated maximum.



Max. working temperature: Standard 80°C (176°F)  
 HS-Version 150°C (300°F)  
 dependent on application

Control pressure:  
 Cf. 1 DN 15 - 50 4,5 - 6 bar (65-90 psi)  
 Cf. 1 DN 65 - 80 4,5 - 7 bar (65-100 psi)  
 Cf. 2 & 3 DN 15 - 80 4 - 5,5 bar (60-80 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 13  
 Clamps and flanges see page 14 and 15  
 Special ends

Actuators suitable for: Two-Way bodies  
 Welded configurations

Flow rate: Kv in m³/h (Cv in GPM) see page 7

Diaphragm size: MA see table below

| DN (mm) | Dimensions (mm) |    |                |                |                |                |                |     |
|---------|-----------------|----|----------------|----------------|----------------|----------------|----------------|-----|
|         | MA              | L  | L <sub>1</sub> | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | D   |
| 15-25   | 25              | 25 | 120            | 130            | 49             | 31             | 97             | 130 |
| 32-40   | 40              | 25 | 153            | 176            | 77             | 31             | 131            | 161 |
| 50      | 50              | 30 | 173            | 214            | 91             | 31             | 161            | 217 |
| 65      | 80              | 30 | 216            | 269            | 121            | 41             | 229            | 265 |
| 80      | 80              | 30 | 254            | 269            | 121            | 41             | 229            | 265 |

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

Butt weld ends  
 MA 25 - 100  
 Fold out page 13