

# KMD 402

## Pneumatically Operated Valve DN 15 - 50 mm (1/2" - 2")



Cf. 4, 5 & 6

### Features

- Thermoplastic piston actuator
- Compact design
- Actuator high resistance to heat transfer
- Control air connection in flow direction
- Circumferential, defined sealing angle between process diaphragm and valve body
- Flexible diaphragm suspension
- Encapsulated diaphragm
- Smooth exterior design ideal for wash downs

### Optional

- Available with a wide range of control equipment and accessories see page 57 to 62, also for retrofitting
- Control air connection 90° to flow direction

### Technical Data

Control function (Cf.): Pneumatically operated  
 Normally closed (NC): Cf. 1 & 4  
 Normally open (NO): Cf. 2 & 5  
 Double acting (DA): Cf. 3 & 6

Direction: At Cf. 4, 5 & 6, in flow direction, standard  
 Control connection: At Cf. 1, 2 & 3, 90° to flow direction

Max. working pressure: Unidirectional ( $\Delta p = 100\%$ )  
 EPDM Diaphragm 10 bar (150 psi)  
 PTFE Diaphragm 8 bar (120 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 & 4 4,5 - 7 bar (65 - 100 psi)  
 Cf. 2, 3, 5 & 6 4 - 5 bar (60 - 70 psi)

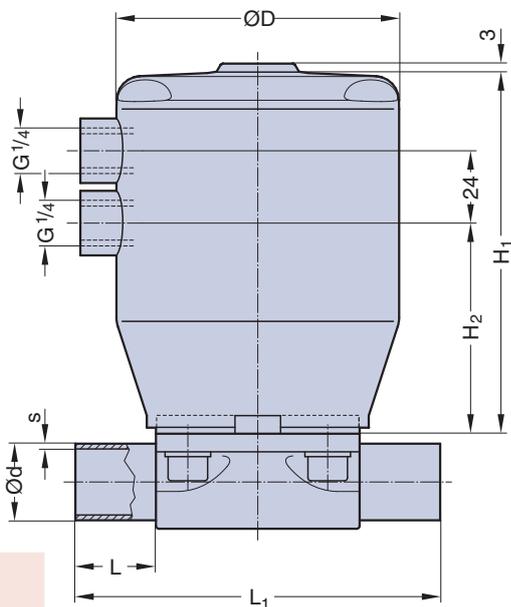
Diaphragm material: EPDM or PTFE  
 Valve body material: Forged 1.4435/ 316 L ASME/BPE  
 Investment cast 1.4435/ 316 L  
 Other alloys

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 m<sup>3</sup>/h (Cv in GPM) see page 7

Diaphragm size: MA see table below



Butt weld ends  
 MA 25 - 100  
 Fold out page 13

DN (mm)	Dimensions (mm)					
	MA	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	D
15-25	25	25	120	120	70	92
32-40	40	25	153	133	75	112
50	50	30	173	176	111	143