

## Pneumatically Operated Valve DN 15 - 50 mm (3/4" - 2 1/2")



Cf. 4, 5 & 6

### Features

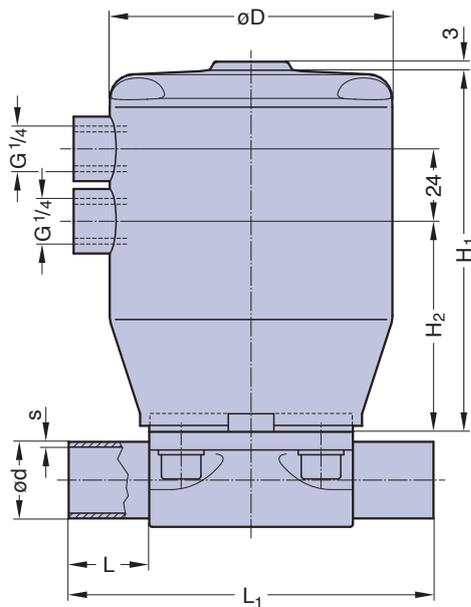
- Plastic piston actuator
- Compact design
- Actuator high resistance to heat transfer
- Control air connection in flow direction
- CDSA sealing concept, see page 32
- Flexible diaphragm suspension
- Encapsulated diaphragm
- Smooth exterior design ideal for wash downs

### Optional

- Available with a wide range of control equipment and accessories see page 132 to 139, also for retrofitting
- Control air connection 90° to flow direction

### Technical Data

- Control function (Cf.): Pneumatically operated  
 Fail safe close (NC): Cf. 1 & 4  
 Fail safe open (NO): Cf. 2 & 5  
 Double acting (DA): Cf. 3 & 6  
 At control function NO/DA higher control pressure than required may affect the lifetime of the working diaphragm.
- Direction  
 Control connection: At Cf. 4, 5 & 6, in flow direction, standard  
 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 (115 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: 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 - 72 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 to 24  
 Special ends
- Actuators suitable for: Two-Way bodies  
 Welded configurations
- Flow rate: Kv in m³/h (Cv in GPM) see page 9  
 Diaphragm size: MA see table below



Cf. 4, 5 & 6

Butt weld ends  
 MA 25 - 50  
 Fold out page 21

DN (mm)	MA	Dimensions (mm)					Total weight ca. (kg)		Filling volume (NL)	
		L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	D	Investment cast	Forged	NC	NO/DA
15-25	25	25	120	120	70	95	1,5	1,6	0,17	0,20
32-40	40	25	153	133	75	115	2,8	3,1	0,31	0,34
50	50	30	173	173	111	144	4,9	6,0	0,68	0,80

Valve type overview see page 26 and 27.  
 Ordering key see page 66 to 68.