

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



DN 15 - 50 Cf. 4, 5, 6

Features

- High cycle stainless steel piston actuator
- Compact design, the outside diameter of the actuator is the same size as the bonnet flange
- Advantages in multiport bodies and manifold valve assemblies
- Control air connection in flow direction
- CDSA sealing concept, see page 32
- Flexible diaphragm suspension
- Encapsulated diaphragm
- Clean and polished exterior design ideal for sterile 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
- Autoclavable

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%)

Diaphragm	DN 15-50 (1/2"-2")
EPDM	10 bar (150 psi)
PTFE	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: 160°C (320°F) dependent on application

Control pressure: Cf. 1 & 4 DN 15-50 4,5 - 8 bar(65-115 psi)
 Cf. 2, 3, 5 & 6 DN 15-50 4,5-6 bar(65-87 psi)

Diaphragm material: EPDM or PTFE

Valve body material: Forged 1.4435/ 316 L ASME/BPE
 Investment cast 1.4435/ 316 L
 Other alloys

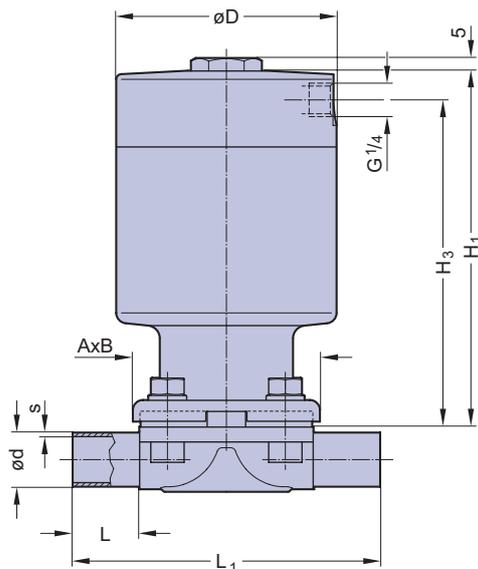
End connection: Butt weld ends see fold out page 21
 Clamps and flanges see page 22 to 24
 Special ends

Actuators suitable for: Two-Way bodies
 Welded configurations
 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 (mm)	MA	Dimensions (mm)						Total weight ca. (kg)		Filling volume (NL)	
		L	L ₁	A x B	H ₁	H ₃	D	Investment cast	Forged	NC	NO/DA
15-25	25	25	120	73x79	140	129	86	2,6	2,7	0,15	0,15
32-40	40	25	153	96x105	167	155	111	5,0	6,0	0,34	0,30
50	50	30	173	111x130	190	176	136	9,0	10,0	0,60	0,54

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