Pneumatically Operated Valve DN 65 - 100 mm (2 1/2" - 4")

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 65-80 (2,5"-3")	DN 100 (4")
EPDM	7 bar (100 psi)	6 bar (87 psi)
PTFE	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 & 4 DN 65-80 5 - 8 bar(72-115 psi)
Cf. 1 & 4 DN 100 6 - 8 bar(87-115 psi)
Cf. 2, 3, 5 & 6 DN 65-80 4,5-6 bar(65-87 psi)
Cf. 2, 3, 5 & 6 DN 100 5,5-7 bar(80-100 psi)

Diaphragm material: EPDM or PTFE

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

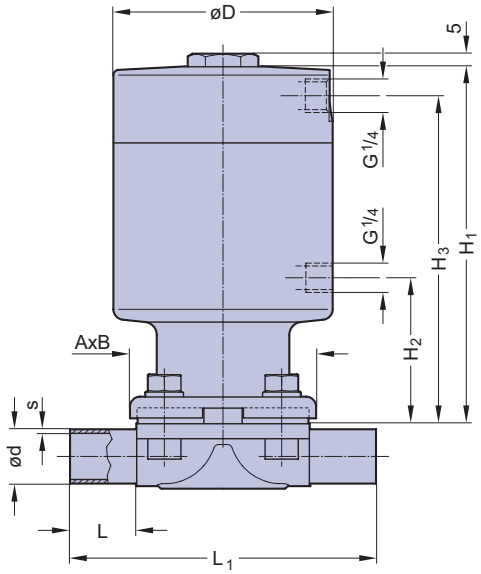
End connection: Butt weld ends see fold out page 21
Clamps and flanges see page 22 to 24
Special ends

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		Dimensions (mm)							Total weight ca. (kg)	
(mm)	MA	L	L_1	A x B	H_1	H_2	H_3	D	Investment cast	Forged
65	80	30	216	170x190	309	135	285	179	23,0	26,0
80	80	30	254	170x190	309	135	285	179	23,0	26,0
100	100	30	305	ø238	318	143	295	179	33,0	1,0

* Cf. 2, 3, 5, 6 = 170

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