Pneumatically Operated Valve DN 15 - 80 mm (3/4" - 3")

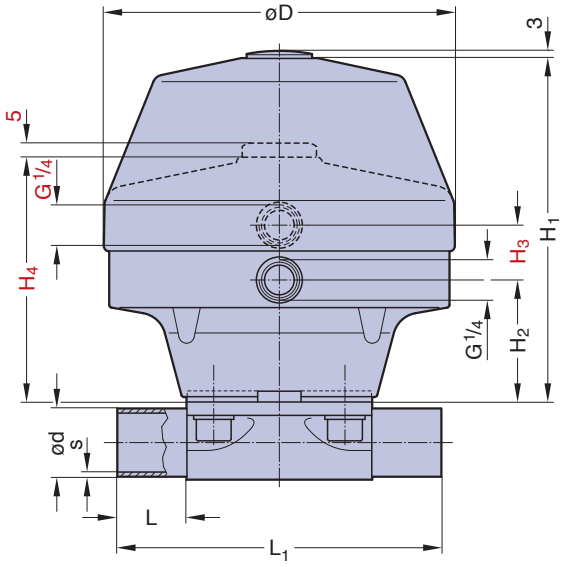
Cf. 1

Features

- **Plastic 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
- CDSA sealing concept, see page 32

Optional

- Available with a wide range of control equipment and accessories see page 118 to 125, also for retrofitting



Technical Data

Control function (Cf.): Pneumatically operated
Fail safe close (NC): Cf. 1
Fail safe open (NO): Cf. 2
Double acting (DA): Cf. 3

Direction
Control connection: At Cf. 1, 2 & 3, 90° to flow direction, standard
Max. working pressure: Unidirectional (delta p = 100%)

Diaphragm	DN 15-50 (1/2"-2")	DN 65-80 (2,5"-3")
EPDM	10 bar (150 psi)	7 bar (100 psi)
PTFE	8 bar (115 psi)	6 bar (87 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: S-Version 80°C (176°F)
Control pressure: Cf. 1 DN 15-50 4,5 - 6 bar (65-87 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 21
Clamps and flanges see page 22 and 23
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

Butt weld ends
MA 25 - 80
Fold out page 21

DN	MA	Dimensions (mm)							Total weight ca. (kg)		Filling volume (NL)	
(mm)		L	L_1	H_1	H_2	H_3	H_4	D	Investment cast	Forged	NC	NO/DA
15-25	25	25	120	128	49	31	97	130	1,9	2,0	0,16	0,13
32-40	40	25	153	176	77	31	131	161	3,8	4,1	0,36	0,28
50	50	30	173	214	91	31	161	217	8,0	9,0	1,15	0,50
65	80	30	216	269	121	41	229	265	16,0	18,0	1,15	0,50
80	80	30	254	269	121	41	229	265	16,0	18,0	1,15	0,50

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

Valve type overview see page 26 and 27.
Ordering key see page 59 to 61.