

Type 2002 motor-operated butterfly valve



General

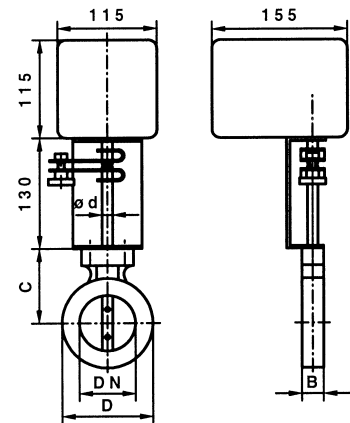
Our Type 2002 motor-operated control damper is equipped with a short-circuit-proof AC synchronous motor. This is one-pole reversible, 230 V +/- 10 %, 50 Hz +/- 5 %, 100 % Service Factor, Insulation rating E in accordance with VDE 0530. The drive unit is notable for its high holding torque and its short starting and stopping times. The motor remains in its instantaneous position in case of a voltage dip. Synchronous motors operated in parallel always run equi-angularly, irrespective of any difference in load. Manual adjustment of the damper is possible by means of disconnection. Additional limit switches and potentiometers can be retrofitted.

Technical data, actuator system

Type **M-1A**
 Actuation **6, 30 or 60 sec/90°**
 time
 Torque **5 to 15 Nm, depending on actuation time**
 Degree of protection **IP 54**

Materials: (Standard)

Body **GG 25**
 Disk, up to DN 100 **Brass**
 Disk, as from DN 125 **GG 25**
 Spindle, up to DN 100 **Brass**
 Spindle, as from DN 125 **1.402**
 1
 Spindle seal **EPDM O-sealing rings**
 (up to 150 °C water/steam)
 Coupling **St**



DN	B	C	D	Ø d
15	25	60	44	8
20	25	60	44	8
25	25	75	60	10
32	25	80	67	10
40	25	83	75	10
50	25	85	85	10
65	25	95	105	12
80	30	105	120	12
100	30	115	140	12
125	35	135	170	12
150	40	150	195	15
200	40	175	255	15

(with manual emergency)

Sealing modes in the valve passage

Valve disk flat-contact type
 Valve disk contoured closure type

Corresponding leakage rates

approx. 0.2 % of kv 90°
 approx. 1 % of kv 90°

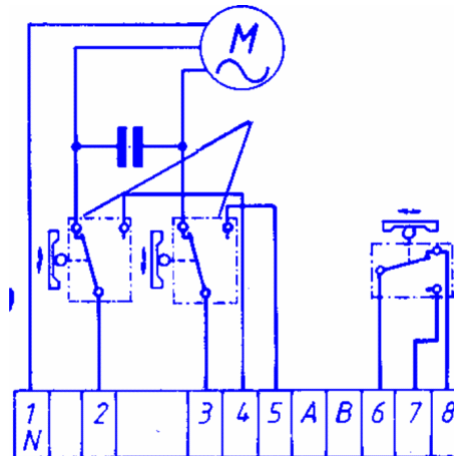
Where not otherwise specified, we produce butterfly valves with a slightly contoured closure type

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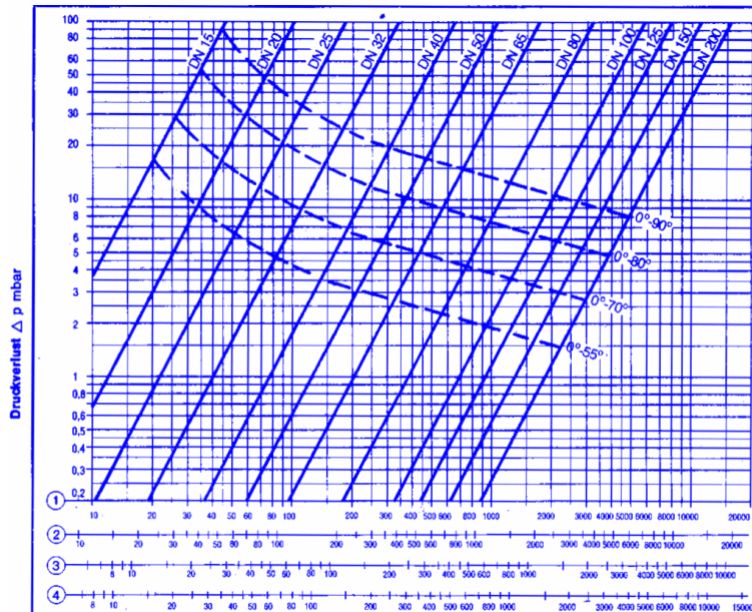
Standard wiring in the actuator system



Expansion facilities

Third and fourth limit switch
100, 250 and 1,000 Ohm potentiometers

Volumetric flow V in m³/h = DIN 3391



Volumenstrom
V in m³/h =
DIN 3391

1= Natural gas (N) dv 0.62
3= Liquefied petroleum gas
dv 1.56

2= Town gas (S) dv 0.45
4= Air (L) dv 1.00

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