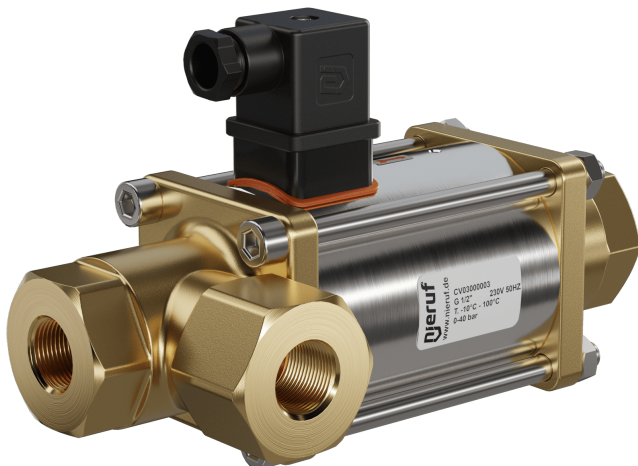


Coaxial-valve type CV03



Description:

3/2 way coaxial-valve to control a medium in a pipeline system. These Coaxial-valves is direct acting and can use from 0.0 bar.

Features:

- suitable for neutral **gaseous & liquid media** (for water - choose option 1)
- maintenance free
- backpressure leakproof
- short switching time
- bi-directional flow direction
- installation possible in any position

Connection:

3/8" DN10, 1/2" DN15, 3/4" DN20, 1" DN25

Design:

Material (media-contacting parts):

Material cylinder tube:

Connection:

Pressure:

Function:

Seal:

connection / electro:

Temperature / Media:

-10°C to +100°C – depending on the version

Pressure:

0,0 bar to 40,0 bar

3/2 way, direct acting

Brass

Galvanized steel

Thread

to 40,0 bar

NC - normally closed

NO - normally open

FKM / PTFE / FKM

lug acc. DIN EN 175301-803 form A a.c. operation, d.c. coil with rectifier integrated

Technical data

Thread connection

Pressure range

Kv-value

Temperature media*

Temperature ambient

Switching time open/close

Vacuum leak rate (Bubble tight)**

Flow direction

Nominal voltage / current

consumption

Insulating material class***

Protection

Energized duty rating

Weight

DN10

G 3/8"

0-40 bar

2,0 m3/h

-10°C to +100°C*

-10°C to +50°C

50 ms / 80 ms

approx. 10-3 mbar

P -> A max. 40 bar

A -> P max. 16 bar

P -> R max. 40 bar

R -> P max. 16 bar

24 V DC / 35 W

230 V 50 Hz / 41 W

H

IP 65

ED 100%

1,9 kg

DN15

G 1/2"

0-40 bar

5,6 m3/h

-10°C to +100°C*

-10°C to +50°C

80 ms / 120 ms

approx. 10-3 mbar

P -> A max. 40 bar

A -> P max. 16 bar

P -> R max. 40 bar

R -> P max. 16 bar

24 V DC / 40 W

230 V 50 Hz / 45 W

H

IP 65

ED 100%

4,0 kg

DN20

G 3/4"

0-40 bar

8,0 m3/h

-10°C to +100°C*

-10°C to +50°C

110 ms / 100 ms

approx. 10-3 mbar

P -> A max. 40 bar

A -> P max. 16 bar

P -> R max. 40 bar

R -> P max. 16 bar

24 V DC / 45 W

230 V 50 Hz / 53 W

H

IP 65

ED 100%

6,0 kg

DN25

G 1"

0-40 bar

11,5 m3/h

-10°C to +100°C*

-10°C to +50°C

150 ms / 300 ms

approx. 10-3 mbar

P -> A max. 40 bar

A -> P max. 16 bar

P -> R max. 40 bar

R -> P max. 16 bar

24 V DC / 60 W

230 V 50 Hz / 68 W

H

IP 65

ED 100%

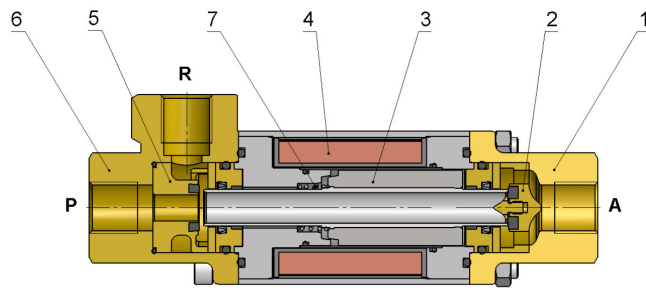
7,5 kg

* with water use only up to 80°C

** higher tightness on request

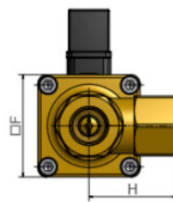
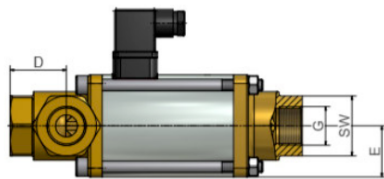
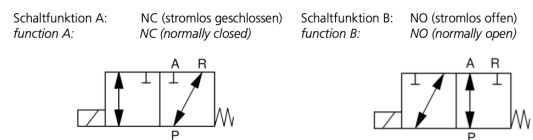
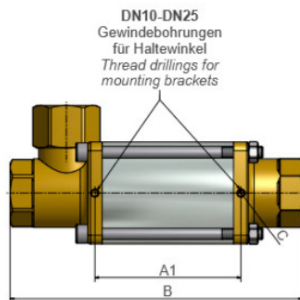
*** referring to potting compound and magnet wire

Sectional drawing:



Pos.	Quantity	Description
1	1	2/2-way adapter fitting
2	1	2/2-way valve seat
3	1	Plunger
4	1	Solenoid
5	1	3/2-way valve seat
6	1	3/2-way adapter fitting
7	1	spring

Dimension drawing (in mm):



DN	G	A1	A2	B	C	D	E
10	1/4", 3/8", 1/2"	32	84	166,5	M4	32	25
15	3/8", 1/2", 3/4"	41	100	200	M5	38,5	35
20	1/2", 3/4", 1"	46	108	228	M5	45,5	40
25	3/4", 1", 1 1/4"	55	121	252	M5	48	45

Article number:

Type	Voltage	Option	Function	Size
CV03 – brass	00 – 230V AC 01 – 24V DC	0 – Standard 1 – Water	0 – NC normally closed 1 – NO normally open	02 – G 3/8" 03 – G 1/2" 04 – G 3/4" 05 – G 1"

Example No. CV03010003:

CV03	01	0	0	03
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3/2 way coaxial-valve made of brass

Voltage: 24V DC

Function: normally closed

Size: G 1/2"

Image similar, subject change without notice.