

Ball valve made of stainless steel with electrical actuator type EK02



Description:

Two-piece ball valve made of stainless steel with electrical actuator to shut off pipeline systems.

Features:

- suitable for neutral and not neutral **gaseous & liquid media**
- ETL electronic torque limiting
- AVS automatic voltage sensing
- ATC automatic temperature control
- emergency operating
- visual position indicator
- 4 limit switches (2 for motor adjustment, 2 for response)

connection:

1/4" – 2", Inch

construction:

Two piece ball valve

pressure:

0 – 40 bar – depending on design
Maximum differential pressure 7 bar

design:

body:

ball:

ball seal:

stem:

stem seal:

nominal diameter:

temperature:

Certifications:

body actuator:

plug connection:

temperature:

mounting pad:

power supply:

mounting position:

two-piece ball valve with electrical actuator

stainless steel 1.4408

stainless steel 1.4408

PTFE

stainless steel 1.4401

PTFE/Viton

acc. to DIN 3202 – M3

generally -20°C to +180°C (depending on working pressure)

(higher mounting pad for medium temperatures over 70°C necessary)

PED CE-0085 BN 0204, DVGW-G and DVGW-W on request

Higher pressure or temperatures on request

corrosion resistant synthetic body

external acc. to DIN 43650

generally -20°C to +70°C

acc to. ISO 5211

Actuator L 24V AC/DC – Low Version

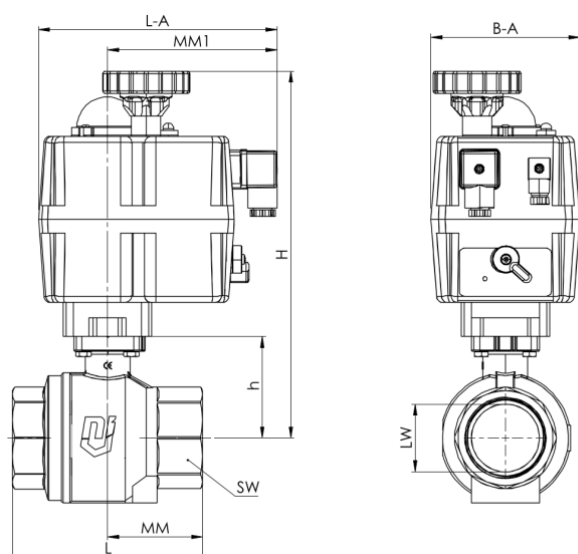
Actuator H 110-240V AC/DC – High Version

Actuator S 24-240V AC/DC – from 1" inch

free, not upside down

other voltages and turning angles on request

dimensions:



DN	PN	DIN EN 10226-1	LW	SW	MM	L	h	H	MM1	B-A	L-A	actuator	weight
8	40	Rp1/4"	8	27	37,5	75	33,5	152,5	127	105	175	L/H 10	1,30
10	40	Rp3/8"	10	27	37,5	75	33,5	152,5	127	105	175	L/H 10	1,30
15	40	Rp1/2"	15	27	37,5	75	33,5	152,5	127	105	175	L/H 10	1,25
20	40	Rp3/4"	20	32	40	80	37	156	127	105	175	L/H 10	1,38
25	40	Rp1"	25	41	45	90	50,5	221,5	125	110	176	S20	3,08
32	40	Rp1 1/4"	32	50	55	110	56,5	227,5	125	110	176	S20	3,58
40	40	Rp1 1/2"	40	55	60	120	67	238	125	110	176	S35	4,26
50	40	Rp2"	50	70	70	140	75	271	125	110	176	S55	6,13

DN8 – 1/4" and DN10 – 3/8" are DN15 – 1/2" ball valves with reducing nipple.

actuator	ISO Flange	octagon mm	protection class	operating factor	power supply				working torque	starting torque	time for of cycle 90° without strain
					24V AC	24V DC	110V AC/DC	240V AC/DC			
L/H10	F03/F05	14	IP65	75%	0,4A (L) / 9,4W	0,4A (L) / 9,4W	0,3A (H) / 30W	0,3A (H) / 60W	10 Nm	12 Nm	L10 = 19 sec. (+/- 10%) H10 = 16 sec. (+/- 10%)
S20	F03/F04 /F05	9/11/14	IP67	75%	1,3A / 30,7W	1,0A / 23,4W	0,3A / 32,7W	0,2A / 46,0W	20 Nm	25 Nm	10 sec. (+/- 10%)
S35	F03/F04 /F05	9/11/14	IP67	75%	1,7A / 40,2W	1,4A / 32,8W	0,4A / 41,9W	0,2A / 46,0W	35 Nm	38 Nm	10 sec. (+/- 10%)
S55	F05/F07	14/17	IP67	75%	2,0A / 47,5W	1,6A / 39,0W	0,4A / 47,0W	0,2A / 46,0W	55 Nm	60 Nm	13 sec. (+/- 10%)

article number:

type	voltage	seal	size
EK02	00 – 24V AC/DC 01 – 110-240V AC/DC	00 – PTFE	01 – 1/4" 02 – 3/8" 03 – 1/2" 04 – 3/4" 05 – 1" 06 – 1 1/4" 07 – 1 1/2" 08 – 2"

example no. EK02010005:

EK02	01	00	05
-------------	-----------	-----------	-----------

ball valve made of stainless steel with electrical actuator

voltage: 110-240V AC/DC

seal: PTFE

size: 1"

Please note:

Actuator must be bigger, if used with non-greasing media (e. g. water). Please contact us for a configuration.

Image similar, subject change without notice.