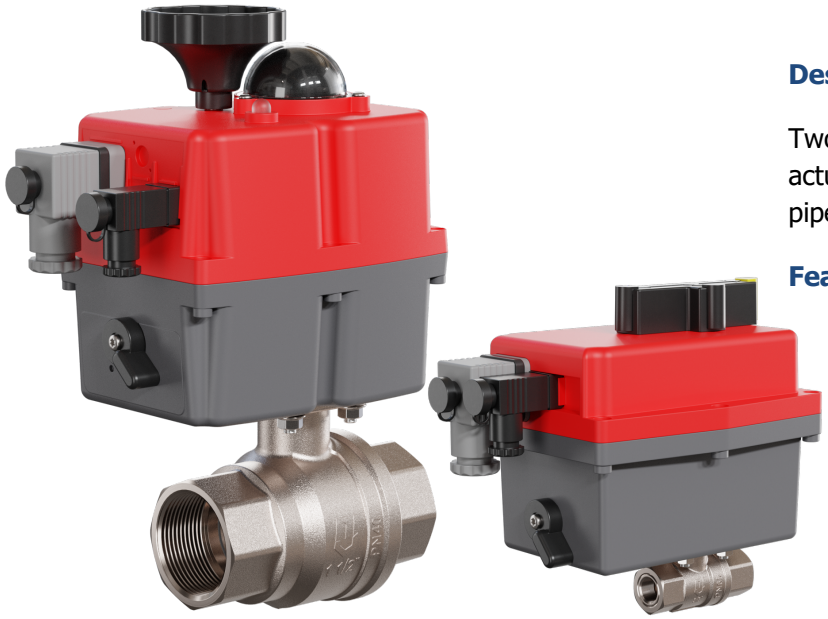
Ball valve made of brass with electrical actuator type EK01



Description:

Two-piece ball valve made of brass with electrical actuator. With stainless-steel ball 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

connection:	**construction:**	**pressure**
1/4" – 2", Inch	Two piece ball valve	0 – 65 bar – depending on design Standard differential pressure 16 bar

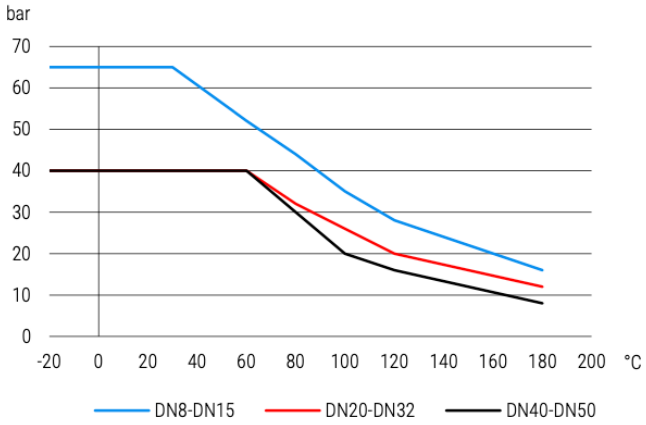
design:	Two-piece ball valve with electrical actuator
body:	Brass nickel plated
ball:	Stainless steel 1.4408
ball seal:	PTFE
stem seal:	Viton
nominal diameter:	Acc. to DIN 3202 – M3
temperature:	generally -20°C to +180°C (depending on working pressure) (more than 70°C coupler + bracket must be used)
body actuator:	corrosion resistant synthetic body
plug connection:	external acc. to DIN 43650
temperature:	generally -20°C to +70°C
mounting pad:	Acc. to ISO 5211
power supply:	**Actuator L** 24V AC/DC – Low Version **Actuator H** 100-240V AC/DC – High Version **Actuator S** 24 – 240V AC/DC – from 1 1/4" inch
mounting position:	free, not upside down

Other voltages and turning angles on request

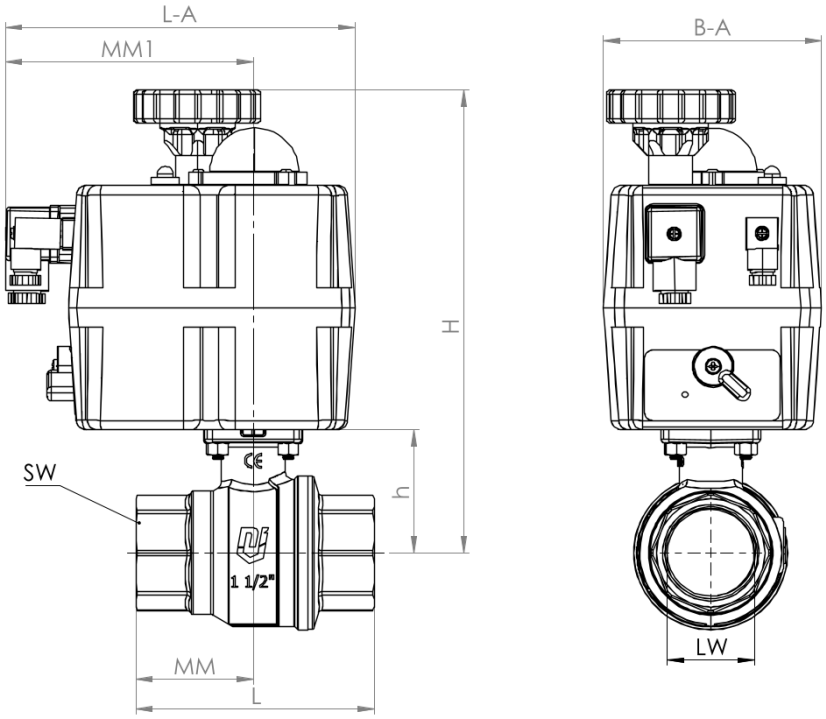
remark:

length of complete valve acc. to DIN 3202 M3 – 1/4" is a 3/8" ball valve with reducing nipple on the respective connection measurement.

pressure-temperature diagram:



dimensions:



DN	PN	DIN EN 10226-1	LW	SW	MM	L	h	H	MM1	B-A	L-A	actuator
8	65	Rp1/4"	8	27	25	60	23	142	127	105	175	L10
10	65	Rp3/8"	10	27	25	60	23	142	127	105	175	L10
15	65	Rp1/2"	15	27	31,5	75	31	150	127	105	175	L10
20	40	Rp3/4"	20	32	37,5	80	38,5	157,5	127	105	175	L10
25	40	Rp1"	25	41	44,5	90	42,5	161,5	127	105	175	L10
32	40	Rp1 ¼"	32	50	52,5	110	55,5	226,5	125	110	176	S20
40	40	Rp1 ½"	40	55	59	120	62	233	125	110	176	S20
50	40	Rp2"	50	69	67,5	140	69	240	125	110	176	S35

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%)

article number:

type	voltage	seal	size
EK01	**00 – 24V AC/DC** 01 – 100-240V 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. EK01000003:

EK01	**00**	**00**	**03**

ball valve made of brass with electrical actuator
voltage: 24V AC/DC
seal: PTFE
size: 1/2"

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.