



ECON® Ball valve Type: 1607EE Brass Electric operated Internal thread (BSPP) PN25/40

Mounted electrically controlled 2-way ball valve consisting of: Two-piece Econ® ball valve (type: 1607ISO) and electric Econ® actuator (type: 7907).

The electrically controlled 2-way ball valve is configured according to the following basic principles: Medium is water, medium temperature is max. 100°C, ball valve is actuated at least a few times daily, actuator structure according to Eriks standard.



Characteristics

Type: 1607EE

Norm: EN (DIN)

Construction type: 2-way

Housing construction: 2-part

Housing material: Brass

Material quality: CW617N

Surface protection: Nickel-plated

Connection: Internal thread (BSPP)

Actuator: Electric operated

Spindle material: Brass

Primary spindle seal material: PTFE

Secondary spindle seal material: HNBR

Body seal: PTFE

Actuator material: Aluminium

Minimum medium temperature (continuous): 0 °C

Maximum medium temperature (continuous): 130 °C

Application

- HVAC, water and compressed air systems.

Technical Information

- Connections with female threads in accordance with EN 10226-1 (ISO 7/1).
- Available in sizes ranging from 1/2" to 2".
- Pressure class PN40 for 0.5-1.25 inch and PN25 for 1.5-2 inch
- Connection voltage for ELA40 in 24V DC/95 to 245V AC
- Connection voltages for ELA60: 24V AC/DC or 230V AC
- Protection class for drive IP67
- Drive with anti-condensation heating
- Thermal protection of the electric motor.

Construction

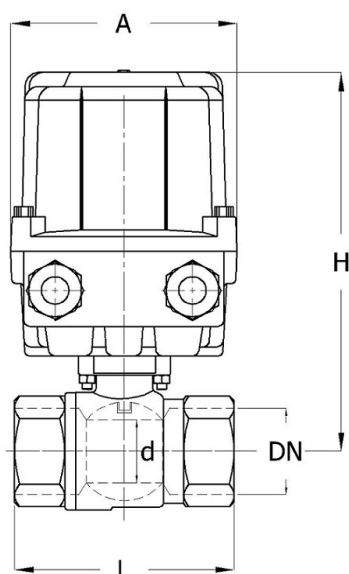
- Two-piece housing construction.
- Design in accordance with EN 13828.
- Full bore.
- Face-to-face dimension according to manufacturer's standard.

Options

ELA60 model only:

- Protection class for drive IP68 (10 m/72 h).
- Explosion-proof housing according to: II 2G Ex dB IIB T4 GB, II 2D Ex tb IIC T1 35°C dB.
- Proportional control unit for modulating purposes (input/output 0~10V DC 2~10V DC/4~20mA).
- Connection voltages: 24V AC/DC, 115V AC, 230V AC, 380V AC, 440V AC or 460V AC.

Ball Valves | Automated ball valves with threaded connection



Size table:

DN	d mm	L mm	H mm	A mm	Weight kg
1/2" [15]	15	75	170	106	3.22
1/2" [15]	15	75	162.3	88.6	1.42
3/4" [20]	20	80	164.3	88.6	1.51
3/4" [20]	20	80	172.5	106	3.31
1" [25]	25	90	176	106	3.54
1" [25]	25	90	168.3	88.6	1.74
1.1/4" [32]	32	110	179.3	88.6	2.07
1.1/4" [32]	32	110	187	106	3.87
1.1/2" [40]	40	120	193.5	106	4.16
1.1/2" [40]	40	120	185.8	88.6	2.36
2" [50]	50	140	205	106	4.99

Size	Pressure class	Pressure and temperature range			[°C]
		-20	90	130	
1/2" - 1.1/4"	PN40	40	25	16	[bar]
1.1/2" - 2"	PN25	25	15	10	[bar]

Nominal inner diameter	Standard thread connection	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Supply voltage	Bore	Material ball	Seat material	Article
1/2" [15]	ISO 7/1 Rp	PN40	Manufacturer standard	ELA60	ECON	24V AC/DC	Full bore	CW614N chromed	PTFE	14288101
1/2" [15]	ISO 7/1 Rp	PN40	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	CW614N chromed	PTFE	14288095
3/4" [20]	ISO 7/1 Rp	PN40	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	CW614N chromed	PTFE	14288096
3/4" [20]	ISO 7/1 Rp	PN40	Manufacturer standard	ELA60	ECON	24V AC/DC	Full bore	CW614N chromed	PTFE	14288102
1" [25]	ISO 7/1 Rp	PN40	Manufacturer standard	ELA60	ECON	24V AC/DC	Full bore	CW614N chromed	PTFE	14288103
1" [25]	ISO 7/1 Rp	PN40	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	CW614N chromed	PTFE	14288097
1.1/4" [32]	ISO 7/1 Rp	PN40	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	CW614N chromed	PTFE	14288098
1.1/4" [32]	ISO 7/1 Rp	PN40	Manufacturer standard	ELA60	ECON	24V AC/DC	Full bore	CW614N chromed	PTFE	14288104
1.1/2" [40]	ISO 7/1 Rp	PN25	Manufacturer standard	ELA60	ECON	24V AC/DC	Full bore	CW614N chromed	PTFE	14288105
1.1/2" [40]	ISO 7/1 Rp	PN25	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	CW614N chromed	PTFE	14288099
2" [50]	ISO 7/1 Rp	PN25	Manufacturer standard	ELA60	ECON	230V AC	Full bore	CW614N chromed	PTFE	14288100
2" [50]	ISO 7/1 Rp	PN25	Manufacturer standard	ELA60	ECON	24V AC/DC	Full bore	CW614N chromed	PTFE	14288106

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