



ECON® Ball valve Type: 7444EE Stainless steel Electric operated Internal thread (BSPP) 1000 PSI WOG



Mounted electrically controlled 2-way ball valve consisting of: Three-piece Econ® ball valve (type: 7444) 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: 7444EE
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 3-part
Housing material: Stainless steel
Material quality: 1.4408
Connection: Internal thread (BSPP)
Actuator: Electric operated
Top flange standard: ISO 5211 Direct Mount
Spindle material: 1.4401
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: PTFE
Body seal: PTFE
Minimum medium temperature (continuous): -29 °C
Maximum medium temperature (continuous): 205 °C

Application

- Compressed air, central heating systems, water, fuel and slightly corrosive systems up to a maximum of 68 bar
- Recommended in: Food & Beverages

Technical Information

- Connection according to ISO 228-1 BSPP.
- Pressure class 1000 PSI WOG
- In sizes 0.25-4 inches.
- Connection voltage for ELA40 in 24V DC/95 to 245V AC
- Connection voltages for ELA60 to ELA200: 24V DC or 230V AC.
- Protection class for drive IP67
- Drive with anti-condensation heating
- Thermal protection of the electric motor.

Construction

- Three-piece housing construction.
- Design of the ball valve as per MSS SP-110
- Full bore.
- Equipped with anti-static design between ball, spindle and housing.

Approval

- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.
- Declaration of conformity according to EC 1935/2004.

Options

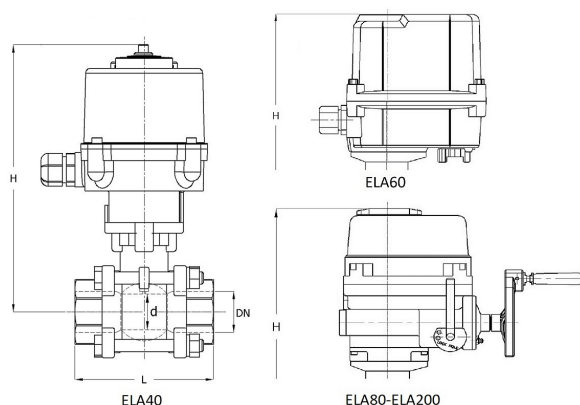
ELA60 to ELA200 model only:

- 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.
- Fail-safe version with battery pack (ELA80 to ELA200).
- 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.

For all models:

- Stainless-steel extended spindle for insulation (Fig. 8007).
- Connection in NPT according to ASME B1.20.1.

Ball Valves | Automated ball valves with threaded connection



Size table:

DN	d mm	L mm	H mm	Weight kg
1/4" [8]	10.6	75	166.3	1.9
3/8" [10]	12.7	75	166.3	1.8
1/2" [15]	15	75	166.3	1.9
3/4" [20]	20	80	173.3	2.1
1" [25]	25	90	183.3	2.5
1.1/4" [32]	32	110	187.3	3.2
1.1/2" [40]	38	120	203	5.9
2" [50]	50	140	210	7.4
2.1/2" [65]	63.5	185.5	338	15.7
3" [80]	76	250	347	18.1
4" [100]	100	240	411	38.4

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
1/4" [8]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	12576483
1/4" [8]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	12576461
3/8" [10]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	12576484
3/8" [10]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	12576462
1/2" [15]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	12576485
1/2" [15]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	12576463
3/4" [20]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	12576486
1" [25]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	12576465
1" [25]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	12576487
1.1/4" [32]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	12576466
1.1/4" [32]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	12576488
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA60	ECON	230V AC	Full bore	1.4408	PTFE	12576467
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA60	ECON	24V DC	Full bore	1.4408	PTFE	12576489
2" [50]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA60	ECON	24V DC	Full bore	1.4408	PTFE	12576490
2" [50]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA60	ECON	230V AC	Full bore	1.4408	PTFE	12576468
2.1/2" [65]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA100	ECON	24V DC	Full bore	1.4408	PTFE	12576491
2.1/2" [65]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA100	ECON	230V AC	Full bore	1.4408	PTFE	12576469
3" [80]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA100	ECON	24V DC	Full bore	1.4408	PTFE	12576492

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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
3" [80]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA100	ECON	230V AC	Full bore	1.4408	PTFE	12576470
4" [100]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA200	ECON	230V AC	Full bore	1.4408	PTFE	12576471
4" [100]	ISO 228-1	1000 PSI WOG	Manufacturer standard	ELA200	ECON	24V DC	Full bore	1.4408	PTFE	12576493

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