



ECON® Ball valve Type: 7644EE Stainless steel Electric operated Butt weld B16.25 S40 1000 PSI WOG



Mounted electrically controlled 2-way ball valve consisting of: Three-piece Econ® ball valve (type: 7644) 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: 7644EE

Norm: ASME

Construction type: 2-way

Housing construction: 3-part

Housing material: Stainless steel

Material quality: 1.4408

Connection: Butt weld

Standard welding connection: B16.25 S40

Actuator: Electric operated

Top flange standard: ISO 5211 Direct Mount

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.

Technical Information

- Connection according to ASME B16.25, Schedule 40 [butt-welding]
- Pressure class 1000 PSI WOG
- In sizes 0.25-4 inches.
- Connection voltage for ELA40 in 24V DC/95-245V 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

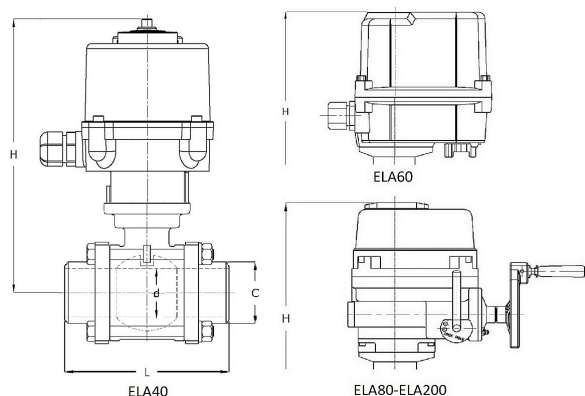
ELA60 to ELA200 model only:

- 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].

Ball Valves | Automated ball valves with welding connection



Size table:

DN	d mm	L mm	H mm	C mm	Weight kg
1/4" [8]	10.6	75	166.3	17.8	1.9
3/8" [10]	12.7	70	166.3	17.8	1.8
1/2" [15]	15	75	166.3	22	1.9
3/4" [20]	20	80	173.3	28.2	2.1
1" [25]	25	90	183.3	34	2.5
1.1/4" [32]	32	110	187.3	43.5	3.2
1.1/2" [40]	38	120	203	50.4	5.8
2" [50]	50	140	210	61.5	7.3
2.1/2" [65]	63.5	185.5	338	77.3	15.7
3" [80]	76	250	347	93	18.8
4" [100]	100	240	411	116	39

Nominal inner diameter	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Supply voltage	Bore	Material ball	Seat material	Spindle material	Article
1/4" [8]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576472
1/4" [8]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	1.4401	12576494
3/8" [10]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	1.4401	12576495
3/8" [10]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576473
1/2" [15]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576474
1/2" [15]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	1.4401	12576496
3/4" [20]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576475
3/4" [20]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	1.4401	12576497
1" [25]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576476
1" [25]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	1.4401	12576498
1.1/4" [32]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	24V DC/95-245V AC	Full bore	1.4408	PTFE	1.4401	12576499
1.1/4" [32]	1000 PSI WOG	Manufacturer standard	ELA40	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576477
1.1/2" [40]	1000 PSI WOG	Manufacturer standard	ELA60	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576478
1.1/2" [40]	1000 PSI WOG	Manufacturer standard	ELA60	ECON	24V DC	Full bore	1.4408	PTFE	1.4401	12576500
2" [50]	1000 PSI WOG	Manufacturer standard	ELA60	ECON	24V DC	Full bore	1.4408	PTFE	1.4401	12576501
2" [50]	1000 PSI WOG	Manufacturer standard	ELA60	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576479
2.1/2" [65]	1000 PSI WOG	Manufacturer standard	ELA100	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576480
2.1/2" [65]	1000 PSI WOG	Manufacturer standard	ELA100	ECON	24V DC	Full bore	1.4408	PTFE	1.4401	12576502

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Nominal inner diameter	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Supply voltage	Bore	Material ball	Seat material	Spindle material	Article
3" [80]	1000 PSI WOG	Manufacturer standard	ELA100	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576481
3" [80]	1000 PSI WOG	Manufacturer standard	ELA100	ECON	24V DC	Full bore	1.4408	PTFE	1.4401	12576503
4" [100]	1000 PSI WOG	Manufacturer standard	ELA200	ECON	230V AC	Full bore	1.4408	PTFE	1.4401	12576482
4" [100]	1000 PSI WOG	Manufacturer standard	ELA200	ECON	24V DC	Full bore	1.4408	PTFE	1.4401	12576504

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