



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

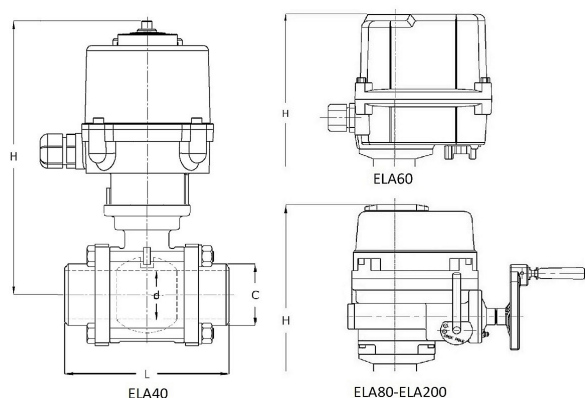
ELA60 to ELA200 model only:

- 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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Ball Valves | Automated ball valves with welding connection

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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