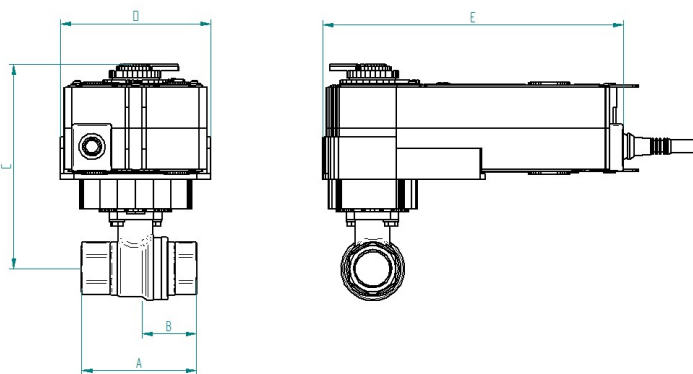


## Electrically Operated Ball Valve 'EBV' Series

### Key Features & Operation

- Cost effective solution for isolation of fuel lines
- Suitable for generators and similar applications
- Universal power module that operates on both AC and DC supply voltages.
- Isolation valve has seals compatible with fuel oil, diesel and bio-diesels
- Securely mounted for engine vibration
- 2 x Auxiliary Switches
- Manual Override

Engersing the actuator rotates the ball valve to the open position whilst tensioning a mechanical return spring, when de-energised, auxiliary switch activated or upon loss of power the return spring will assist closure for reliable trouble-free operation



Part Number	Size	A	B	C	D	E	Weight
10905001	1/2"	75	30.5	129	103	222	2.5
10905002	3/4"	80	37	136.5	103	222	2.7
10905003	1"	90	45.5	140.5	103	222	2.7
10905004	1 1/4"	110	52	153.5	103	222	3.4
10905005	1 1/2"	120	59	160	103	222	4.1
10905006	2"	140	67.5	167	103	222	5.4

### Technical Specification

**Nominal Voltage:** AC 24...240V, 50/60Hz / DC 24...125V  
**Nominal Voltage Range:** AC 19.2...264V / DC 21.6...137.5V  
**Max Working Pressure:** -  
 1/2" to 3/4" = 40 Bar  
 1" to 2" = 16 Bar  
**Process Connection:** Fx ISO 228 BSPP threads  
**Body, Ball & Stem Material:** Brass CW617N Nickel Plated  
**O rings:** FKM  
**Seat Material:** Graphite filled PTFE  
**Power Consumption:** -  
 In operation: 7W @ nominal torque  
 At rest: 3.5W  
 For wire sizing: 18VA  
 Auxiliary switch: 2 x SPDT, 1 x 10% / 1 x 11...90%  
**Electrical Connection:** -  
 Motor Cable 1m, 2 x 0.75mm<sup>2</sup>  
 Auxiliary switch Cable 1m, 6 x 0.75mm<sup>2</sup>  
**Manual Override:** Hand crank and interlocking switch  
**Rotation:** Actuator can be mounted in 90° Increments  
**Sound Power Level**  
 Motor ≤45dB(A)  
 Spring return ≤62dB(A)  
**Position Indication:** Mechanical  
**Degree of Protection / Compliance:** IP54, NEMA 2, UL  
 Enclosure Type 2 EMC Low-voltage directive CE according to 2004/108/EC CE according to 2006/95/EC  
 Certified to IEC/EN 60730-1 and IEC/EN 60730- 2-14 Mode of operation Type 1.AA. B  
**Rated Impulse Voltage** Actuator Auxiliary switch 4kV 2.5kV  
 Control pollution degree 3  
**Working Ambient Temperature:** -20...+50°C  
**Ambient Humidity:** 95% r.h., non-condensating  
**Maintenance:** Maintenance-free

- To be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed during installation.
  - The cable must not be removed from the device.
  - The device contains electrical and electronic components do not dispose of as household refuse.
- All local regulations and requirements must be observed.

### Electrical Wiring

