



Electric Actuated 2 Way Brass Ball Valve

- Sizes 1/4" - 2" BSPP
- Easy Installation
- IP67 Protected
- Offers economy and long life
- Voltage : 24 VDC. 110 or 230 VAC
- Modular Design

Description

An economical combination of a brass ball valve fitted to our mini HQ3 electric actuator. Specifically designed for open and closed operations, lending tight shut off isolation up to 40 Bar.

The unit comprises of a compact and lightweight electric actuator that's fitted directly to a 2 way screwed full bore brass ball valve that is suitable for use on air, water and oil. The HQ003 electric actuator is specially designed for easy installation having pre wired flying leads. Weatherproofed to IP67 and is supplied with, manual override and limit switches, LED open and closed indication and anti condensation heaters. In addition this High Quality unit provides optical position indication, with all electrical components and alloy gearing ensuring reliability and extended life span.

Design Advantages

Low cost

Full Bore with no minimum differential

Blow - out proof stem

Prevents stem blowing out for maximum safety.

Easy in line Installation

Pre Wired Actuator-3m Flying lead – no need for the cover to be removed during installation



Description

1/4" - 2" Direct mount ball valve with mini electric actuator. Flying leads provide easy wiring giving power to open and power to close. The compact actuator has the addition of limit switches, optical indication and manual override.



Beschreibung

1/4" - 2" Direktmontage-Kugelhahn mit elektrischem Mini-Stellantrieb. Freie Kabel ermöglichen eine einfache Verdrahtung zum Öffnen und Schließen. Der kompakte Stellantrieb verfügt zusätzlich über Endschalter und optische Anzeige und manuelle Übersteuerung.



Descripción

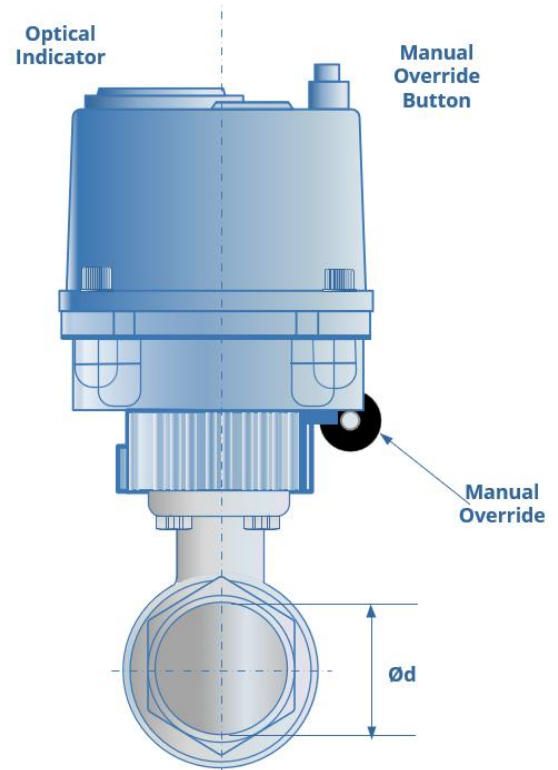
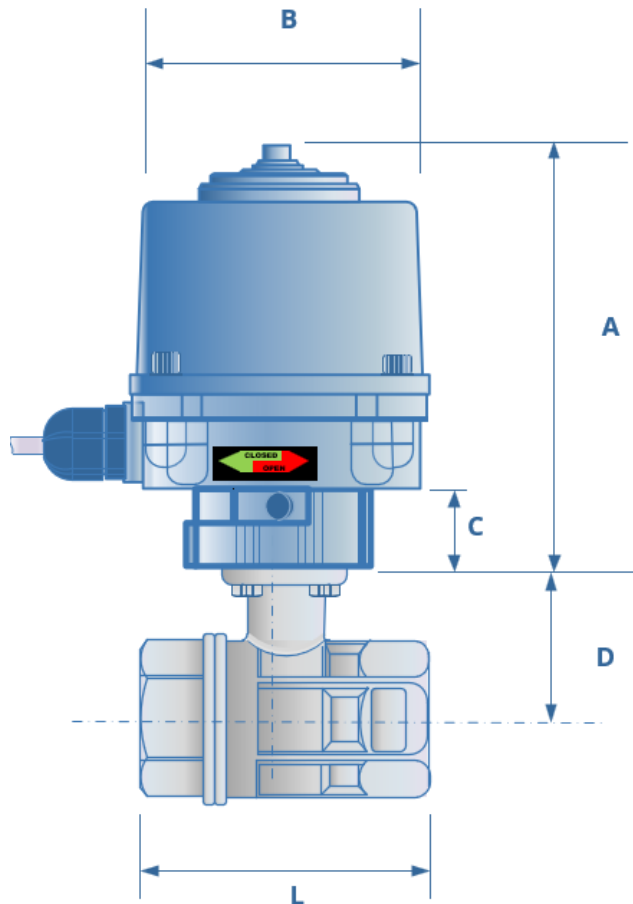
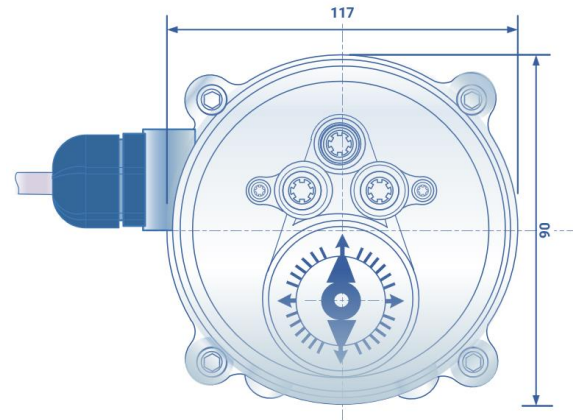
Válvula de bola de montaje directo de 1/4" - 2" con mini actuador eléctrico. Los cables flotantes proporcionan un cableado fácil que proporciona energía para abrir y para cerrar. El actuador compacto tiene la adición de interruptores de límite, indicación óptica y anulación manual.



Description

Vanne à boisseau sphérique à montage direct 1/4" - 2" avec mini actionneur électrique. Les fils volants permettent un câblage facile donnant le pouvoir d'ouvrir et de fermer, et commande manuelle.

IP67 Aluminium housing
Optical and electrical indication including LED lamps
to show either open or closed
Manual Emergency Lever
4 off limit switches
Anti condensation heater
3m Flying lead – no need for the cover to be
removed during installation



Dimensions mm

Port Connection	Actuator Type	A	B	C	D	$\varnothing d$	L	Weight kg	KV
Size	Model								
1/4"	V003	124.3	88.6	22	29	11.5	64	1.5	7.5
3/8"	V003	124.3	88.6	22	29	15	64	1.5	9.3
1/2"	V003	124.3	88.6	22	29	15	64	1.5	16.3
3/4"	V003	124.3	88.6	22	32	20	76	1.6	29.5
1"	V003	124.3	88.6	22	36	25	88	1.9	43
1 1/4"	V003	124.3	88.6	22	41	32	96	2.3	105
1 1/2"	V003	124.3	88.6	22	57	38	103	3.3	170
2"	V003	124.3	88.6	22	64	45	121	3.5	275

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The electric actuator is specially designed for quarter turn applications such as this small ball valve. Small, light and compact design, superior in operation and long life than other mini electric actuators.

Supplied with 4 switches, Anti Condensation Heater and fitted with LED lamp indicators for Open & Close positions.

The lever manual override is activated by pressing the declutch push button located on the top of the housing. This must remain pressed during operation of the lever.

High quality electrical components and alloy gearing ensure reliability and extended life span.

Supplied with a 3m flying lead so removal of the cover is not required during installation.

The Actuator housing is hard anodised inside and out prior to painting for increased corrosion resistance.

Actuator Specification

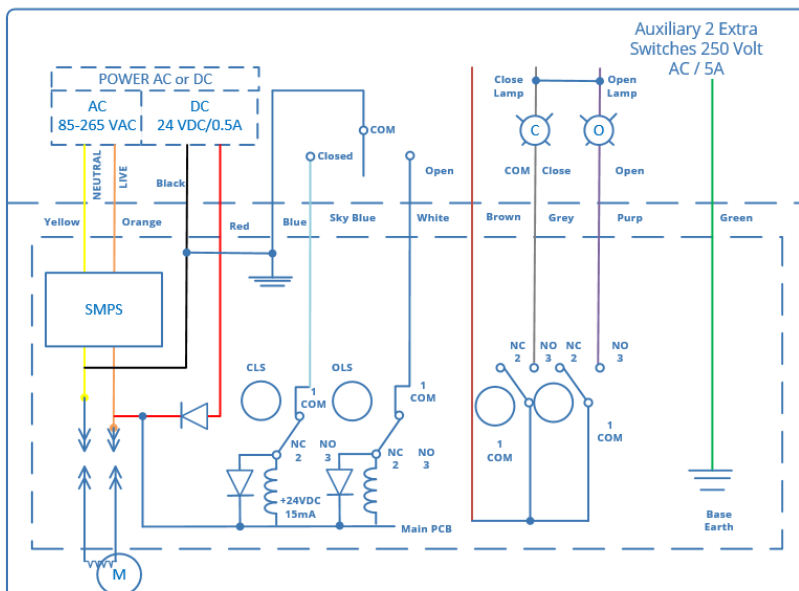
Enclosure	Weatherproof IP67
Power Supply	85-265v 50/60Hz, 24v DC
Duty Cycle (on/off Duty)	S4 50%
Motor	Reversible Motor
Limit Switches	2 x SPDT, 250V AC 3A
Additional Switches	2 x SPDT, 250V AC 3A
Space Heater	0.5 W
Manual Override	Push Button Lever Operated
Movement Angle	90° ±5 (0° to 90°)
Ambient Temperature	20°C to 70°C
Extrernal Coating	Dry Powder, Polyester

Maximum Output Torque	Operating Time 50/60Hz	Rated Current (A)		
		AC 1PH 50/60Hz	DC	
30Nm	12 Secs	110V	220V	24V
		0.1/0.1	0.1/0.1	0.5

Valve Specification

Body	Brass CW 617 N
Ball	Brass CW 617 N
Seats	PTFE (Teflon)
Stem	Brass CW 614 N
O-Ring	Viton
Pressure	PN40, 580 PSI
Temperature	-20°C to 120°C
Ends	Screwed BSPP

V003 WIRING DIAGRAM



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