



Compact Electric Actuated 3 Way Brass Ball Valve

- Sizes 1/4" - 1 1/4" BSPP
- Easy Installation
- IP67 Protected
- Offers economy and long life
- Voltage : 24 VDC, 110 or 230 VAC
- Modular Design
- L or T Port
- - 20°C to + 120°C

Description

An economical combination of a brass ball valve fitted to our mini compact HQ3 electric actuator. Specifically designed for diverting operations, lending tight shut off. The unit comprises of a compact and lightweight electric actuator that's fitted directly to a 3 way screwed reduced bore brass ball valve with options of L or T Configuration. The end connections are BSP and seats are PTFE. The valve 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

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" - 1 1/4" Direct mount ball valve with compact electric actuator. Flying leads provide easy wiring giving the ability to divert media, quickly and efficiently through a choice of L or T port connections. The compact actuator has the addition of limit switches, optical indication and manual override.



Beschreibung

1/4" - 1 1/4" Direktmontage-Kugelhahn mit kompaktem elektrischem Stellantrieb. Freie Kabel ermöglichen eine einfache Verdrahtung und ermöglichen die schnelle und effiziente Umleitung von Medien durch eine Auswahl an L- oder T-Anschlüssen. Der kompakte Stellantrieb verfügt zusätzlich über: Endschalter, optische Anzeige und manuelle Übersteuerung.



Descripción

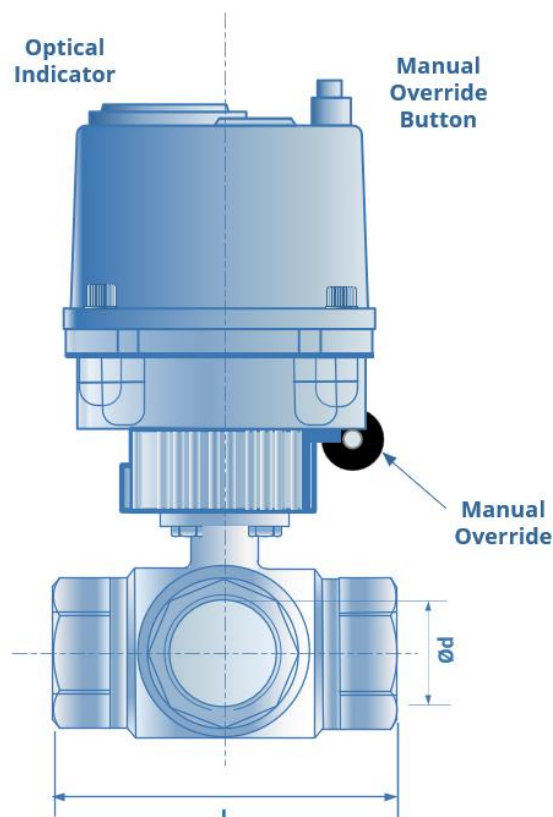
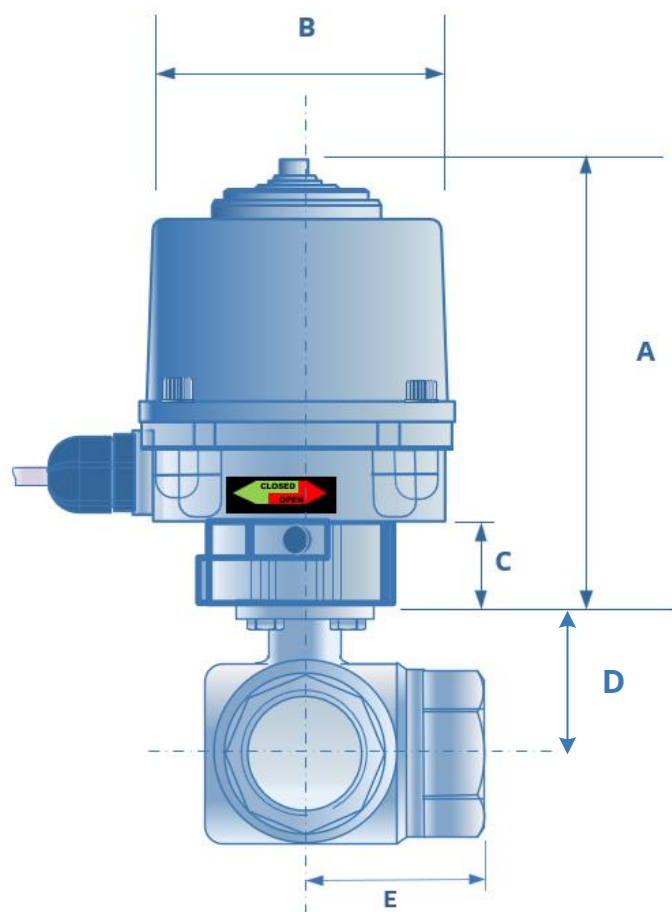
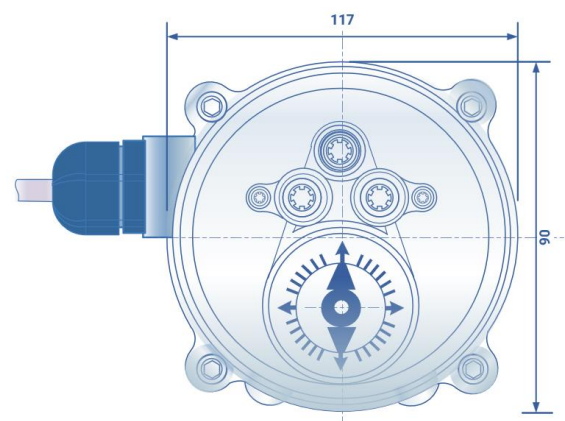
Válvula de bola de montaje directo de 1/4" - 1 1/4" con actuador eléctrico compacto. Los cables flotantes proporcionan un cableado fácil que brinda la capacidad de desviar el medio, de manera rápida y eficiente a través de una selección de conexiones de puerto L o T. El actuador compacto tiene la adición de finales de carrera, indicación óptica y anulación manual.



Description

Vanne à boisseau sphérique à montage direct 1/4" - 1 1/4" avec actionneur électrique compact. Les fils volants permettent un câblage facile permettant de détourner les médias, rapidement et efficacement grâce à un choix de connexions de port L ou T. L'actionneur compact a l'ajout de interrupteurs de fin de course, indication optique et commande

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	Ød	E	L	Weight kg
Size	Model								
1/4"	V003	124.3	88.6	22	29	10	32	65	1.7
3/8"	V003	124.3	88.6	22	29	10	32	65	1.7
1/2"	V003	124.3	88.6	22	29	14	39	78	1.9
3/4"	V003	124.3	88.6	22	32	19	43	87	2.1
1"	V003	124.3	88.6	22	36	24	53	106	2.7
1 1/4"	V003	124.3	88.6	22	41	30	59	118	3.3

All information is sourced from our manufacturer's data and is intended for guidance only - Valves Online can accept no liability for changes, omissions or errors.

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

Technical Data

Max Pressure	1/4"-3/4"
	1"-11/4"

V003 WIRING DIAGRAM

