



Compact Electric Actuated 2 Way Stainless steel Ball Valve

- Sizes 1/4" - 1" BSPT
- Easy Installation
- IP67 Protected
- Offers economy and long life
- Voltage : 24 VDC. 110 or 230 VAC
- Modular Design
- Stainless Steel Body, RPTFE Seats
- - 20°C to + 200°C

Description

A combination of our HQ003 Compact Electric Actuator fitted to a 2 way, 3 piece stainless steel full bore ball valve. This combination offers both reliability with economy. 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.

The ball valve body is in stainless steel CF8M, full bore with RPTFE (15% filled) seats, PTFE seals. They are fully maintainable and have screwed BSPT Taper ends.

The valve and actuator fit directly onto each other (valve has an ISO mounting pad) so no mounting kits are required, thus making the package more compact and cost effective.

The EE4352 is in a modular program range of mounting of quarter turn valves

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" Direct mount stainless steel three piece full bore ball valve, fully maintainable with RPTFE seats. End connections screwed BSPT. Valve pressures up to 1000 PSI. Temperature Range -20°C to 200°C. Flying leads provide easy wiring of this compact actuator which has the addition of limit switches, optical indication and manual override.



Beschreibung

1/4" - 1" Direktmontage Edelstahl dreiteiliger Kugelhahn mit vollem Durchgang, vollständig wartbar mit RPTFE-Sitzen. Endanschlüsse verschraubt BSPT. Ventildrücke bis 1000 PSI. Temperaturbereich -20°C bis 200°C einfache Verdrahtung dieses kompakten Stellantriebs mit zusätzlicher Endschalter, optischer Anzeige und Handhilfsbetätigung.



Descripción

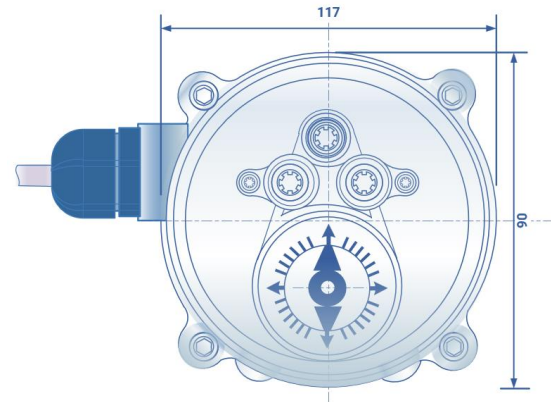
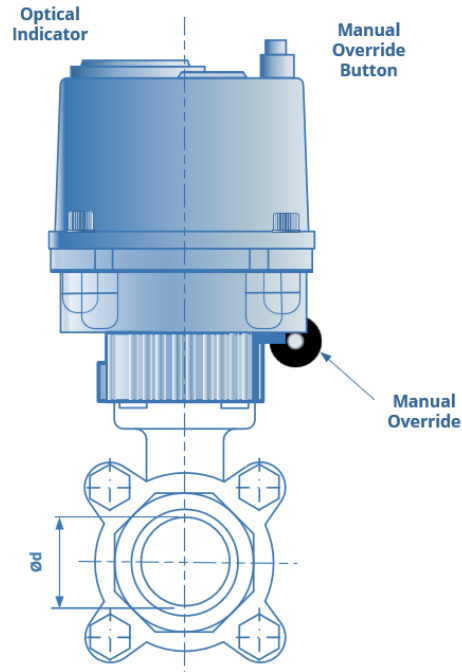
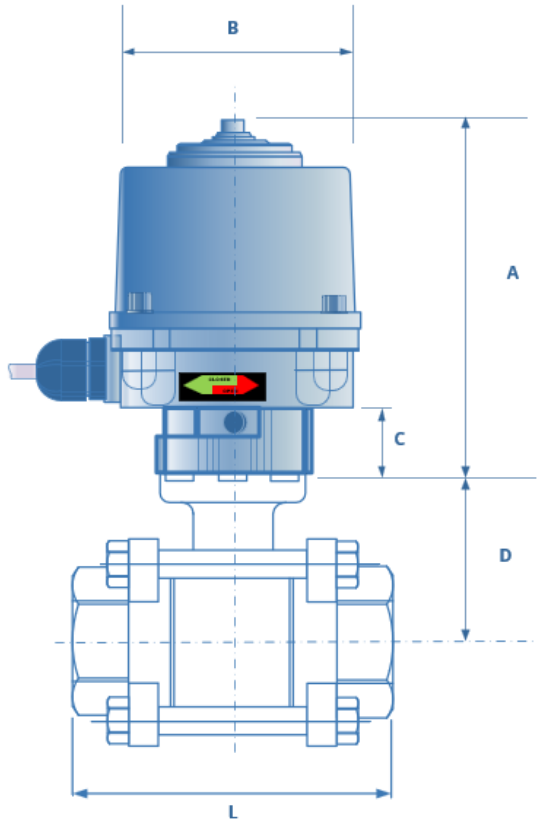
Válvula de bola de paso total de tres piezas de acero inoxidable de montaje directo de 1/4" - 1", totalmente mantenible con asientos de RPTFE. Conexiones finales roscadas BSPT. Presiones de válvula de hasta 1000 PSI. Rango de temperatura -20 ° C a 200 ° C. cableado fácil de este actuador compacto que tiene la adición de interruptores de límite, indicación óptica y anulación manual.



Description

Vanne à boisseau sphérique à passage intégral en acier inoxydable 1/4" - 1" à montage direct, entièrement maintenable avec sièges RPTFE. Connexions d'extrémité vissées BSPT. Pressions de la vanne jusqu'à 1000 PSI. Plage de température -20°C à 200°C. Les fils volants fournissent câblage facile de cet actionneur compact qui a en plus des interrupteurs de fin de course, une indication optique et une 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	ϕd	E	L	Weight kg	KV
Size	Model									
1/4"	V003	124.3	88.6	22	32.5	10	32	50	1.7	7.5
3/8"	V003	124.3	88.6	22	32.5	10	32	60	1.7	9.3
1/2"	V003	124.3	88.6	22	42	14	39	75	1.9	16.3
3/4"	V003	124.3	88.6	22	50	19	43	80	2.1	29.5
1"	V003	124.3	88.6	22	58	24	53	90	2.7	43

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
External Coating	Dry Powder, Polyester

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

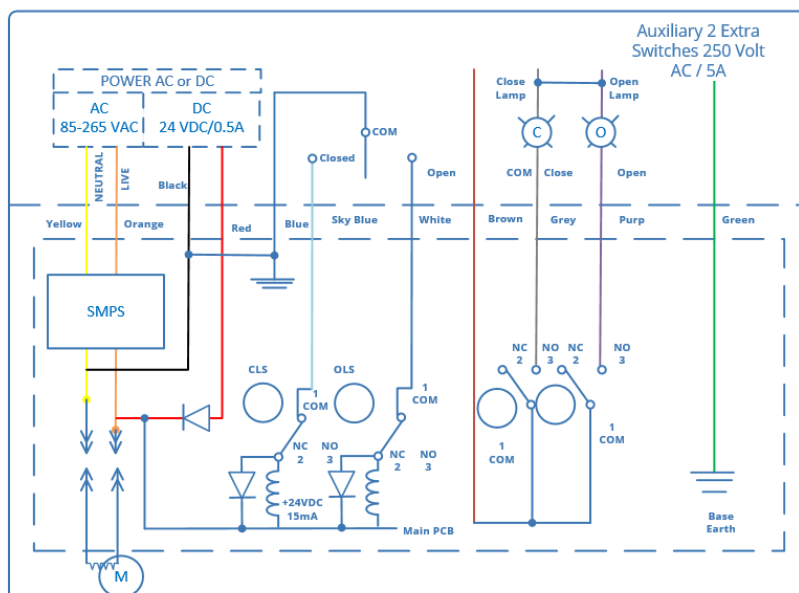
Valves Technical and Parts List

Part Name	Material
Body	CF8M
End Cap	CF8M
Ball	SUS316
Stem	SUS316
Stem Nut	SUS304
Thrust Washer	SUS304
Handle	SUS304
Seat	Reinforced PTFE (15%)
Gland Ring	SUS304
Stem Packing	PTFE
Belleville washer	SUS301
Nut	SUS304

Specification

Pressure range	1/4" - 1" 82 Bar
Size	1/4" to 1"
Temperature range	minus 20° to + 200° (see graph)
Movement	90 deg turn
Cycle life	500,000 operations (based on clean water)

V003 WIRING DIAGRAM



PRESSURE v TEMPERATURE CHART

