

Actuated Valves - Series 912E

Electrically Actuated SS 3 Way HP Ball Valves



Main Features :-

Valve Features:	Actuator Features:
Valve in SS 316	On Off, Failsafe, Modulating
Exotic Materials available	IP67 Housing
BSP or NPT ends	Manual Override
3K, 6K or 10,000 Psi rating	Limit Switches
UK made valves	100% Function Tested
ALCO Valve option	Quality Assembled Products



TYPE: 912E ELECTRIC

Overview:-

We typically offer 3 options on electric actuators. We have 3 core brands that we offer depending on what the application demands. The brands we offer and stock are:



- a plastic housed electric actuator series offering multi voltage 24-240VAC/DC and on off, failsafe, modulating and modulating failsafe functionality.



- an aluminium housed quarter turn actuator with CSA and Nema 4x approval. Available on off and modulating.

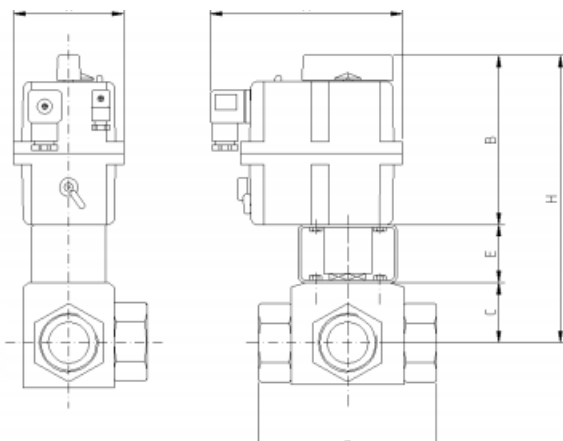


- A compact basic or smart series range offering a compact sized electric actuator but with big features including on off, modulating, failsafe, modulating failsafe, speed control and BUS communication.



Key Dimensions:-

* Note that the following dimensional drawing is a generic drawing for demonstration purposes only. The dimensions relevant to the different actuator are on the right hand side.



	J+J	Sun Yeh	AVA
Size	F	H	Kg
1/4"	Call	Call	Call
3/8"	Call	Call	Call
1/2"	Call	Call	Call
3/4"	Call	Call	Call
1"	Call	Call	Call
1 1/4"	Call	Call	Call
1 1/2"	Call	Call	Call
2"	Call	Call	Call

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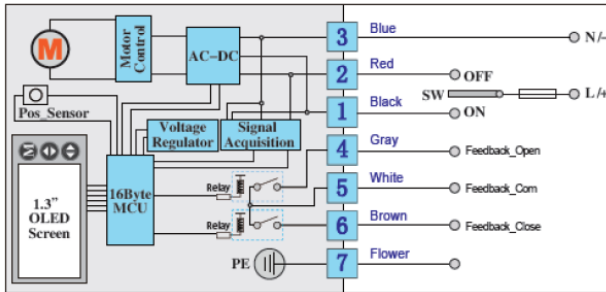
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All of our actuators are typically 3 wire actuators, offering a neutral and switchable live. See below for specific wiring options. Call if you have a specific requirement as in particular the Sun Yeh and AVA brands have multiple factory made options available. For example, the AVA units are available as a 2 wire option where replacing a solenoid valve for example.

Wiring Options:- AVA Series

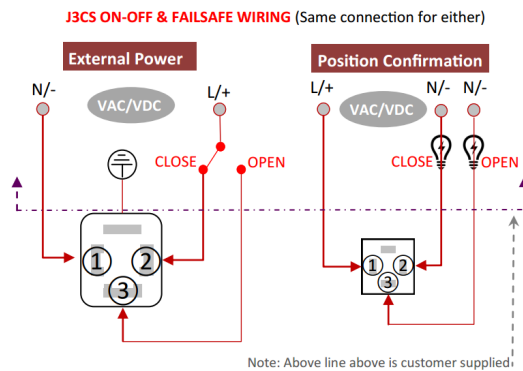


AVA electric actuators are supplied with a flying lead, models 20 only. Models 60 and above have terminal strip. No need to remove actuator housing to wire. See specific actuator model for exact wiring details.



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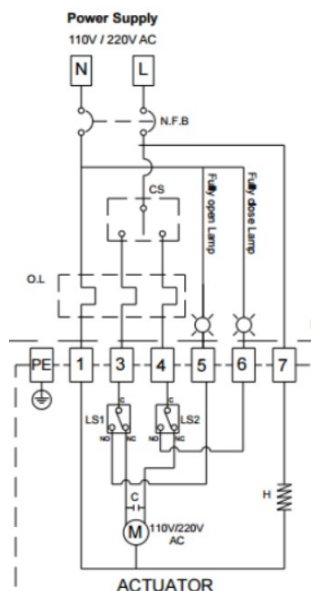
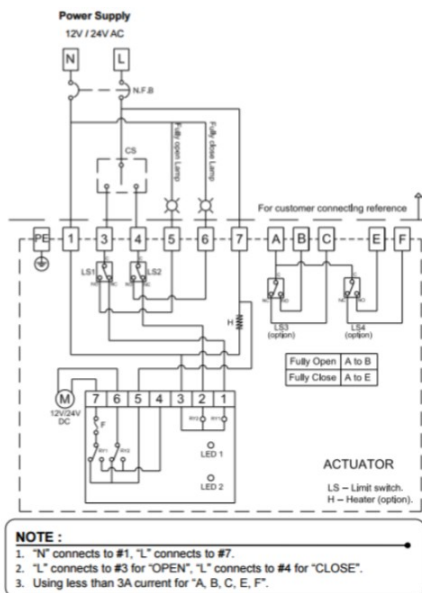
Wiring Options:- J+J Series



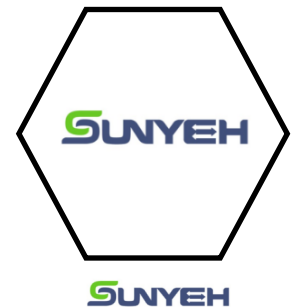
In J+J electric actuators, all electrical connections are made externally using the external DIN plugs supplied with the actuator. There is no need to remove the valve actuator's cover to connect electrically. See specific actuator model for exact wiring details.



Wiring Options:- Sun Yeh Series



The Sun Yeh range of actuators requires the cover to be removed to wire the actuator electrically. All actuators from our stock have M20 conduit entry for cables (glands not included). See specific actuator model for exact wiring details.



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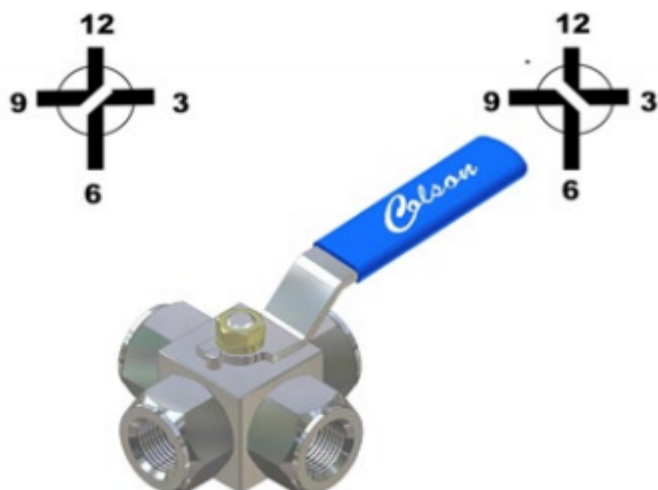
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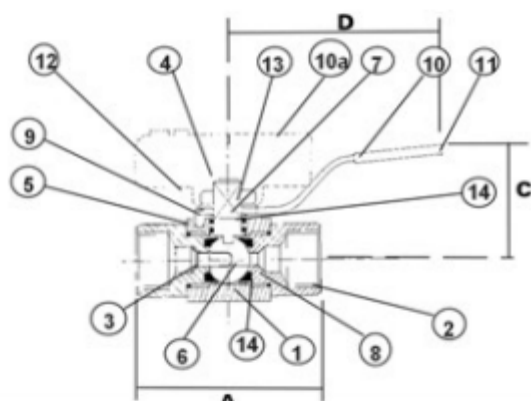
Valve Additional Information:-



DESIGN FEATURES

- Robust HIGH pressure design
- Internally loaded Blow-out proof stem
- Ball/seats Float for positive shut-off
- Flow diversion - 3-6 & 9-12 / 6-9 & 12-3
- Low operating torque
- Smooth 1/4 turn action
- Flexible 3 piece design
- 316 ss to NACE Specification
- Wide range of end connections
- Replaceable seats & seals
- Ease of maintenance
- Full material traceability
- Choice of Lever or Pointer Handles
- Panel Mounting Option
- Can be easily actuated
- Locking Kit available

MATERIALS of CONSTRUCTION - 316 Stainless Steel



Ball Bore = 5mm

'A'=Length 'A1'=Width [Back to Front]

ITEM	COMPONENT	MATERIAL
1	BODY	316 SS 11
2	END CONNECTORS	316 SS 11
3	BALL	316 SS 11
4	STEM	316 SS 11
5	STEM SEAL	RTFE
6	SEATS	PTFE / PVDF
7	TOP SEAL	RTFE
8	BODY SEAL	PTFE
9	PIN	STAINLESS STEEL
10	LEVER HANDLE	STAINLESS STEEL
10a	POINTER HANDLE	ALZAK 3
11	HANDLE SLEEVE	PVC
12	NUT	A4 SS
13	WASHER	A4 SS
14	SPACER	316 SS
15	SEAT SEAL	VITON

Valve Size	A	A1	B	C	D
08 - 1/4"	80	81	5	50	115
10 - 3/8"	80	81	5	50	115
15 - 1/2"	90	91	5	50	115

Sample Part Number B4SA0510NFS

3/8" NPT 316 St St 4 Way Ball Valve, 5mm Bore - 1000 psi/Pn 69 Rated fitted with Lever Handle.

VALVE PART NUMBER and ORDERING TABLE

Valve Series	Bore	Size	Threads	* Material	Handle	Options
B4SA 1,000 psi/Pn 69	05	08 - 1/4"	NF - NPT Female PF - BSPP Female TF - BSPT Female	D - 31603 Duplex H - Hasteloy M - Monel S - 316 SS	-PH Pointer	-PM Panel Mount -LK Locking -ACT Actuator use -EP Ends Pinned
B4SS 3,000 psi/Pn207		10 - 3/8"			-TH StSt 'T' Handle	
		15 - 1/2"				

All Valves have Stainless Steel Lever Handles as standard.

B4series - 09/09

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