

Actuated Valves - Series 909E

Electrically Actuated St/St 2pc Wafer Ball Valves



Main Features :-

Valve Features:	Actuator Features:
1/2" to 4"	On Off, Failsafe, Modulating
Stainless Steel 316	IP67 Housing
RPTFE seats	Manual Override
Viton Seals	Limit Switches
PN16 Rated	100% Function Tested
ISO Pad	Quality Assembled Products



TYPE: 909E 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:



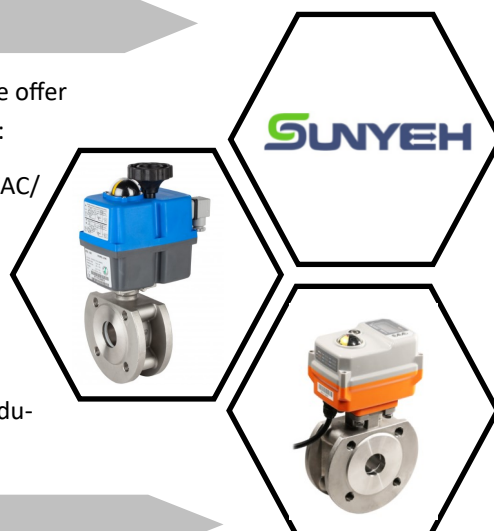
- a plastic housed electric actuator series offering multi voltage 24-240VAC/DC and on off, failsafe, modulating and modulating failsafe functionality.



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

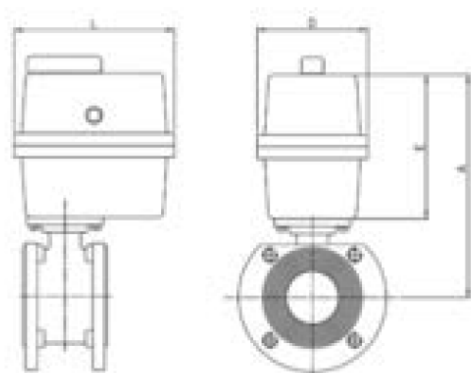


- A compact basic or smart series range offering a compact sized electric actuator but with big features including on off, modulating, failsafe, modulating failsafe, speed control and BUS communication.



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.



*For low or high temperature applications, please add minimum 50mm height (Dimension F) for SS bracket to protect actuator from low or high temperatures.

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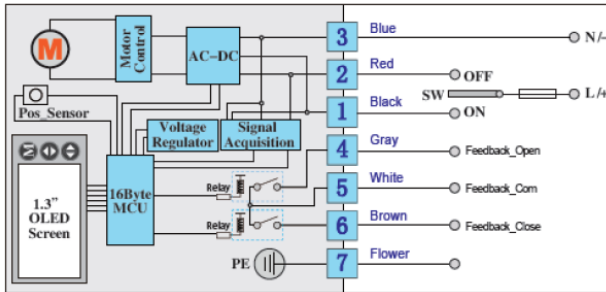
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All of our actuators are typically 3 wire actuators, offering a neutral and switchable live. See below for specific wiring options. Call if you have a specific requirement as in particular the Sun Yeh and AVA brands have multiple factory made options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

Wiring Options:- AVA Series

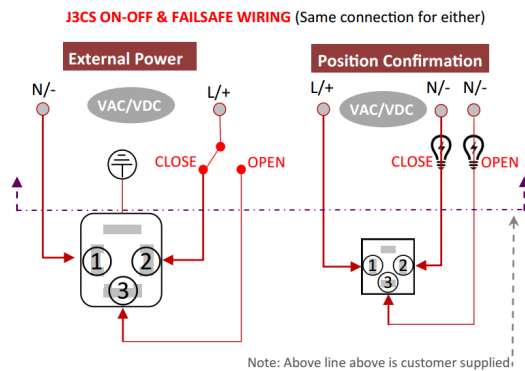


AVA electric actuators are supplied with a flying lead, models 20 only. Models 60 and above have terminal strip. No need to remove actuator housing to wire. See specific actuator model for exact wiring details.



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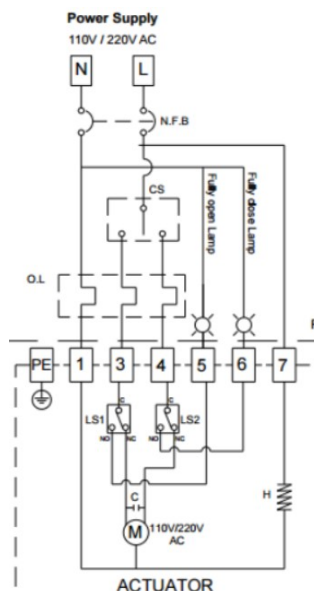
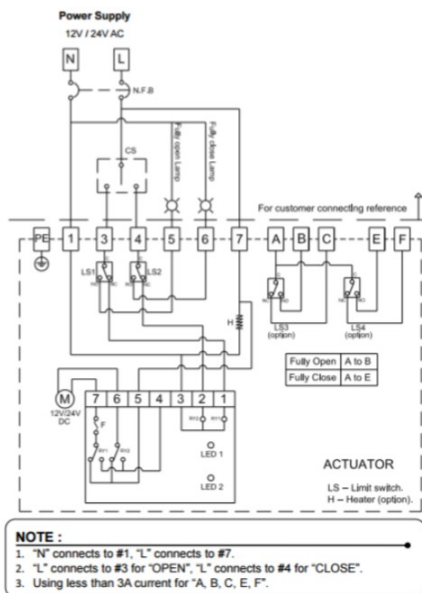
Wiring Options:- J+J Series



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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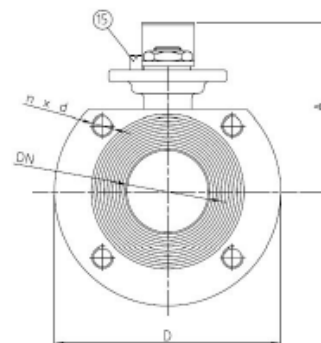
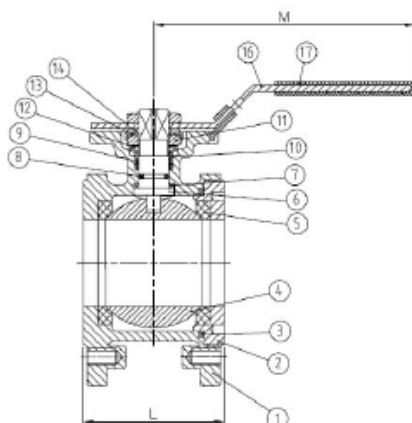
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Valve Additional Information:-

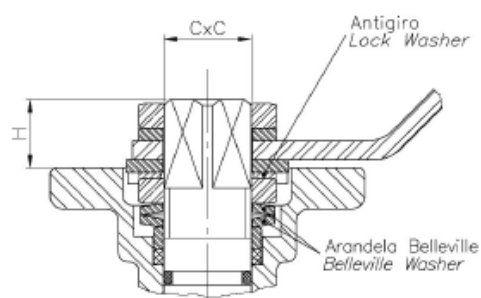


TYPE: 909E ELECTRIC

Nº	Denominación / Name	Material	Acabado Superficial / Surface Treatment	Cód. Recambio Spare Part Code
1	Cuerpo / Body	Acero Inox. / Stainless Steel 1.4408	Decapado / Shot Blasting + Pickling	-----
2	Tapón / Plug	Acero Inox. / Stainless Steel 1.4408	Decapado / Shot Blasting + Pickling	-----
3*	Juntas / Gasket	PTFE	-----	2818
4	Bola / Ball	Acero Inox. / Stainless Steel 1.4408	-----	-----
5*	Asiento / Ball Seat	PTFE + 15 % F.V. / PTFE + 15 % FG	-----	2818
6	Eje / Stem	Acero Inox. AISI 316 / SS 316	-----	-----
7*	Arandela / Thrust Washer	PTFE	-----	2818
8*	Tórica / O-ring	FKM (Viton)	-----	2818
9*	Empaquetadura / Packing	PTFE	-----	2818
10	Prensa / Gland	Acero Inox AISI 304 / S.S. 304	-----	-----
11	Tuerca / Nut	Acero Inox AISI 304 / S.S. 304	-----	-----
12	Arandela Resorte / Spring washer	Acero Inox AISI 304 / S.S. 304	-----	-----
13	Antigiro / Lock Washer	Acero Inox AISI 304 / S.S. 304	-----	-----
14	Arandela / Washer	Acero Inox AISI 304 / S.S. 304	-----	-----
15	Tope / Stop Pin	Acero Inox AISI 304 / S.S. 304	-----	-----
16	Maneta / Handle	Acero Inox AISI 304 / S.S. 304	-----	-----
17	Funda / Plastic Cover	Vynil	-----	-----

* Piezas de recambio disponibles / Available spare parts

Valve Additional Information:-



Antigiro / Lock Washer: Previene el desajuste de la tuerca del eje en elevados ciclos de maniobra / *Prevents unthreading of stem nut in high cycle automation applications.*

Arandela Belleville / Belleville Washer: Las arandelas belleville proporcionan una carga constante sobre el prensa asegurando un cierre firme en variaciones de condiciones de trabajo. / *Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying service parameters.*

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DIMENSIONES GENERALES / GENERAL DIMENSIONS

Ref.	DN	PN	Assembly Holes (n x d)	Dimensiones / Dimensions (mm)				Peso / Weight (Kg)
				ØD	A	L	M	
2118 04	15	16	4 x M12	95	85	36	115	1,700
2118 05	20	16	4 x M12	105	90	38	115	1,900
2118 06	25	16	4 x M12	115	95	50	170	2,500
2118 07	32	16	4 x M16	140	100	53	170	3,500
2118 08	40	16	4 x M16	150	105	65	210	4,350
2118 09	50	16	4 x M16	165	115	78	210	5,450
2118 10	65	16	4 x M16	185	130	98	260	7,800
2118 11	80	16	8 x M16	200	145	118	260	10,300
2118 12	100	16	8 x M16	220	175	140	260	18,000

Ref.	Medida/ Size	PN	Dimensiones / Dimensions (mm)		
			H	C x C	ISO 5211
2118 04	1/2"	16	10	9 x 9	F03 / F04
2118 05	3/4"	16	10	9 x 9	F03 / F04
2118 06	1"	16	10	11 x 11	F04 / F05
2118 07	1 1/4"	16	12.5	11 x 11	F04 / F05
2118 08	1 1/2"	16	14.5	14 x 14	F05 / F07
2118 09	2"	16	14	14 x 14	F05 / F07
2118 10	2 1/2"	16	17	17 x 17	F07 / F10
2118 11	3"	16	16	17 x 17	F07 / F10
2118 12	4"	16	19	17 x 17	F07 / F10

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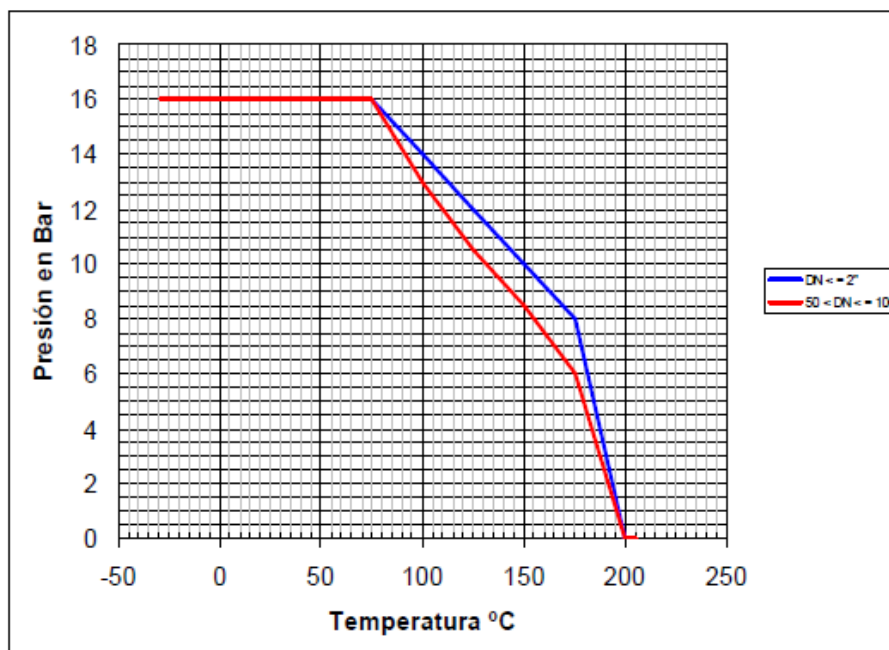
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Valve Additional Information:-

CURVA PRESION TEMPERATURA / PRESSURE TEMPERATURE RATING



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VALORES DE Kv / Kv VALUES

Kv = Es la cantidad de metros cúbicos por hora (m^3/h) que pasará a través de la válvula generando una pérdida de carga de 1 bar.

Kv = Flow rate of water in cubic meter per hour (m^3/h) that will generate a pressure drop of 1 bar across the valve.

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
24	43	83	130	205	340	520	1100	1820