Compact Failsafe Closed Actuated WRAS Ball Valve

IP67 Actuator available in 9-24vAC/DC option or 110-240vAC option



Does not get hot | Can be plumbed in either way round

When power is applied the RP/ABVM-Failsafe compact actuator will actuate the ball valve into the 'OPEN' position. This takes approximately 5 seconds. Allow a minimum power on time of 60 seconds per operation to allow the failsafe close capacitor to charge. When in 'OPEN' position and recharged the actuator only takes reduced 'holding' power and the valve stays in that position. When electrical power is removed the actuator detects the power loss and draws power from its internal capacitor (electrical storage) which enables the ball valve to automatically return to the default 'CLOSED' position.

A 60 second (capacitor) charge period is required between operations.



Power

Moving: 5 Watts Holding: 0.22 Watts (9–24vAC/DC option) 0.6 Watts (110–240vAC option)

Media: air – water – gases – liquid Pressure range: 0 Bar – 10 Bar maximum Media temperature: –15°C to +100°C Ambient temperature: –15°C to +50°C Media viscocity: 500 Centistokes max Continuous duty: 100% Duty cycle: 100,000 Operating time: 5 Sec approx.

Valve Body:	304 stainless steel
Seals:	Stem $2 \times FKM$
	Ball – WRAS PTFE
Actuator:	ABS Engineering Plastic; Gears – Metal
	IP67 Enclosure; Torque – 2 Nm; Pre-wired – 0.5 metre;
	Visual postion indication
Option:	Manual Override for 9–24vAC/DC only (<i>must be</i>
	specified at time of order)
Option:	Volt free position feedback switches (<i>must be</i>
	specified at time of order)

9-24vAC/DC Option

Suitable for water pressure:

0 Bar – 10 Bar

Failsafe CLOSED Order Codes:

- ¹/₂" RP/ABVM/9-24V/FSC
- ³⁄₄″ RP/ABVM/9-24V/FSC
- 1" RP/ABVM/9-24V/FSC

110-240vAC Option

Suitable for water pressure:

0 Bar – 10 Bar

Failsafe CLOSED Order Codes:

- ¹/₂" RP/ABVM/110–240V/FSC
- ³/₄" RP/ABVM/110–240V/FSC
- 1″ RP/ABVM/110–240V/FSC



Option: Manual Override for 9–24vAC/DC only (*must be specified at time of order*)

Wiring Diagrams



Failsafe Control. Power ON motor actuates valve into powered position. Valve stays in powered position.

Power OFF motor actuates valve back to start position using reserve power.

Valve stays in start position.

Overall Dimensions

With Position Feed Back Switches







Port D1/D2	d	L1	L2	E1	H1	H2	Kg
1/2	15	63	14	25	83	17	0.4
3/4	20	72	17	31	87	20	0.5
1	25	81	18	38	95	24	0.6

Reference	Description	Material		
1	Actuator	ABS		
2	Body Cover	SS304		
3	O Ring	FKM		
4	Sealing	PTFE		
5	Ball	SS304		
6	Stem	SS304		
7	O Ring	FKM		



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