

Media: Water
 Pressure range: 0 to 10 Bar max
 Media temperature: 0°C to +90°C max
 Ambient temperature: -15°C to +60°C
 Mounting: Any
 Cycles: 70,000
 Open or Close: 1-2 seconds
 Duty cycle: 100%
 Mounting: ISO5211, F03, F05
 WRAS certificate number 2012107

Actuated WRAS Ball Valve

1 1/4 – 2 BSP

FAST 1-2 Seconds

2 Way 0 – 10 Bar

TYPE ABV-S-2SEC-E2-MO



PRESSURE

Port BSP	Orifice mm	Operating Time Secs	Pressure (Bar) ΔP		Function	Voltage	Part Number	
			Min	Max				
1 1/4	32	10	0	10	Failsafe Control Power ON valve Opens Power OFF valve Closes <i>Failsafe requires 30 seconds Power On to recharge the Farah capacitors.</i>	12-24vDC	ABV12S/9AR-E2-MO	
1 1/2	38	10	0	10		12-24vDC	ABV14S/9AR-E2-MO	
2	50	10	0	10		12-24vDC	ABV20S/9AR-E2-MO	
1 1/4	32	10	0	10	3 Wire Control Connect Power Red & Negative Black Power to Green - Valve Opens Power off Green - Valve Closes	12vDC	ABV12S/8-E2-MO	
						24vDC	ABV12S/9-E2-MO	
1 1/2	38	10	0	10		12vDC	ABV14S/8-E2-MO	
						24vDC	ABV14S/9-E2-MO	
2	50	10	0	10		12vDC	ABV20S/8-E2-MO	
						24vDC	ABV20S/9-E2-MO	

OPTIONS

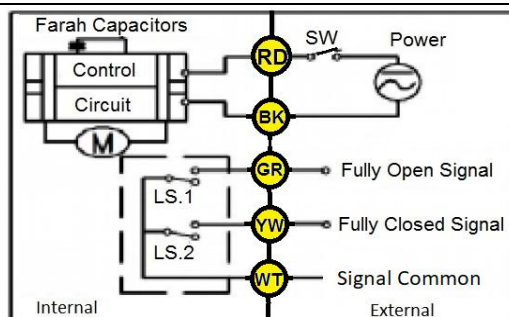
Visual Position Indicator, manual override and E2 Volt free fully Open & Closed position feedback switches
 Failsafe Open (MO-NO Power to close with failsafe Open), or NPT thread

Included

ELECTRICAL DATA

Continuous Duty 100% Open / Close 1-2 seconds	Open + Closed Position Switches (Volt Free – no voltage supplied)	Torque NM	Power			Enclosure	Electrical connection
			Locked (Stuck)	Move	Static		
12-24vDC Failsafe	36vDC 0.4 Amp Max	24.1	5Amp	1-2 Amp	0.19W	IP68	Cable 0.5 meter Option 3mtr cable
12vDC Power Open/Close	36vDC 0.4 Amp Max	25.5	5Amp	2Amp	0.06W		
24vDC Power Open/Close		26	3.5A	1Amp	0.19W		

Failsafe - Automatic Return

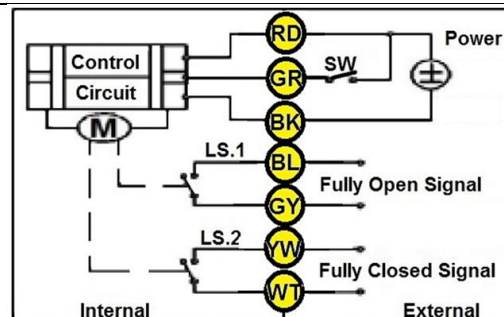


Power ON motor actuates valve into powered position and then automatically powers off. Valve stays in powered position.

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

Failsafe Closed switches: Green Open, Yellow Closed, White Common
Failsafe Open switches: Green Closed, Yellow Open, White common

3 Wire Control



Power ON to GREEN motor actuates valve into powered position and then automatically powers off. Valve stays in powered position.

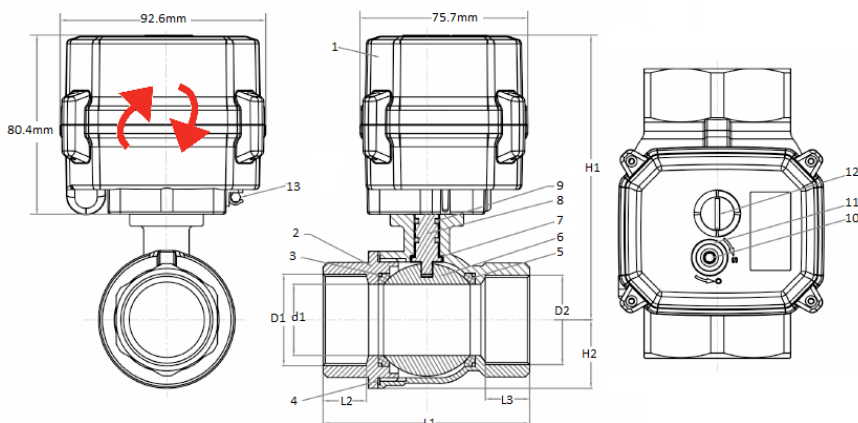
Power OFF to GREEN motor actuates valve back to start position and then automatically powers off. Valve stays in start position.

Position Feedback: Blue & Grey Open, Yellow & White Closed.

CONSTRUCTION

Valve Body: 304 stainless steel, Seals WRAS EPDM + PTFE, ABV Actuator: ABS Engineering Plastic, Gears Metal

OVERALL DIMENSIONS



Port	Bore D1	L1	L2 / L3	E1	H1	H2	KG
1 1/4	32	102	23	47	122	31	1.4
1 1/2	38	115	25	52	130	36	1.7
2	50	130	25	66	141.4	44.5	2.3

1	Actuator	PPO	8	Stem	Stainless
2	Cover	Stainless	9	O Ring	EPDM
3	O Ring	EPDM	10	Screw	Stainless
4	Seal	PTFE	11	O Ring	NBR
5	Seal	PTFE	12	Indicator	PC
6	Ball	Stainless	13	Allen Key	Steel
7	Gasket	PTFE			