

Media: Water
 Pressure range: 0 to 10 Bar max
 Media temp: +2°C to +90°C max
 Ambient temperature: -15°C to +50°C
 Media viscosity: 500 centistokes max
 Duty cycle: 70,000
 Mounting: Any (Except upside down)
 Seals: PTFE + EPDM
 WRAS certificate no: 2010303

Actuated WRAS Ball Valve

1/4 – 1
 24 Hr Clock Timer c/w Failsafe
 0 – 10 Bar
 TYPE CABVM/AR



PRESSURE

Ø Port BSP	Orifice mm	Operating Time Seconds	Pressure Rating (Bar) ΔP		Voltage	Part Number	List Price
			Min	Max			
1/4	8	7	0	10	9 to 24v AC or DC	CABVM02S/9AR	
					110 to 240vAC	CABVM02S/2AR	
3/8	10	7	0	10	9 to 24v AC or DC	CABVM03S/9AR	
					110 to 240vAC	CABVM03S/2AR	
1/2	15	7	0	10	9 to 24v AC or DC	CABVM04S/9AR	
					110 to 240vAC	CABVM04S/2AR	
3/4	20	7	0	10	9 to 24v AC or DC	CABVM06S/9AR	
					110 to 240vAC	CABVM06S/2AR	
1	25	7	0	10	9 to 24v AC or DC	CABVM08S/9AR	
					110 to 240vAC	CABVM08S/2AR	

OPTIONS

Visual Position Indication, Failsafe Closed 2 wire (+AR)
 Without failsafe return on power loss
 Sun and rain protection cover
 316 Stainless, PVC, 3-piece, 3 way & Brass Ball Valves, longer lead wire, different voltage and more

Included

TBA

ELECTRICAL DATA

Voltage Min - Max Continuous Duty 100%	Actuator		Power			Enclosure	Electrical connections
	Model	Torque	Start (Peak)	Moving	Holding		
9 to 24 volts AC 50/60Hz or DC	ABVM	4 Nm	2 Amp	5 Watts	0.22 Watts	IP67	0.5 meter lead wires 3 meter lead wires
110 to 240 volts AC 50/60Hz			0.5 Amp		0.6 Watts		

Clock Timer with Failsafe Closed Control.

Actuator has 2 menus' Function code (1st menu) then setting of function (2nd Menu)

Function Code	Description	Value	Units
CLO	Set time	00:00:00 – 23:59:59	Hour Minute Seconds
PAIR	Set time groups	1 - 9	Hour Minute Seconds
TO (1-9)	Time Open	00:00:00 – 23:59:59	Hour Minute Seconds
TF (1-9)	Time Close	00:00:00 – 23:59:59	Hour Minute Seconds
Prot	Valve stuck current setting	450-499 mA	If current exceeds Value for 1.6 seconds, motor will stop, and display ERR message.

Power ON clock restarts, motor will open the valve at the Time Open (TO) setting.
 Valve will Close at the Time Off (TF) setting. (max 9 Pair / Time ON/OFF settings in 24 hours)
 (After 20 secs without code input, motor will save and start time)

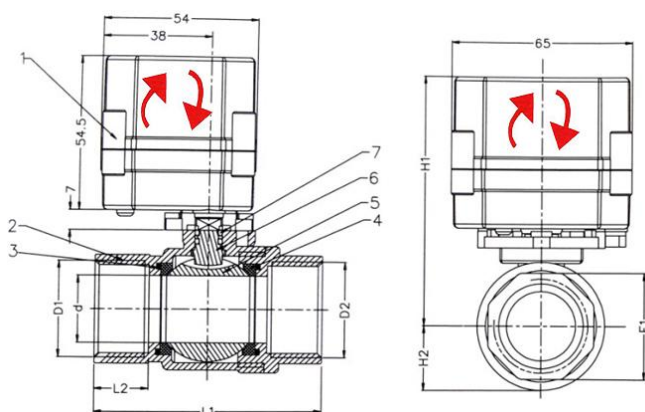
Power OFF motor actuates to the closed position using capacitor reserve power.
 Clock will maintain time for 48 hours with power off.

Failsafe requires minimum 30 seconds Power On to Recharge the Farah capacitors.

CONSTRUCTION

Valve Body: 304 stainless steel static test pressure 35 Bar.
 Seals: Stem 2x EPDM, Ball WRAS EPDM + PTFE Floating no leakage design
 ABVM Actuator: ABS Engineering Plastic, Gears: Metal, Factory function test 200 cycles Open/Close

OVERALL DIMENSIONS



Port D1/D2	d	L1	L2	E1	H1	H2	Kg
1/4	8	49	12	20.5	69	12	0.3
3/8	10	49	12	20.5	69	12	0.4
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	0.7

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