Media: Water

Pressure range: 0 to 10 Bar max Media temp: -15°C to +100°C max Ambient temperature: -15°C to +50°C Media viscosity: 500 centistokes max

Duty cycle: 100,000

Mounting: Any (Except upside down)

Seals: PTFE + EPDM WRAS certificate no: 2010303

Actuated WRAS Ball Valve

Failsafe + Power Open/Close 0 - 10 Bar

TYPE ABVM/AR



PRESSURE								
Ø Orific	Orifice	Operating	Pressure R	ating (Bar) ∆P				
Port BSP	mm	Time Seconds	Min	Max	Voltage	Part Number		
1/4	8	5	0	10	9 to 24v AC or DC	ABVM02S/9AR + option		
1/4	0	5	U		110 to 240vAC	ABVM02S/2AR + option		
3/8	10	5	0	10	9 to 24v AC or DC	ABVM03S/9AR + option		
3/0	10				110 to 240vAC	ABVM03S/2AR + option		
1/2	15	5	0	10	9 to 24v AC or DC	ABVM04S/9AR + option		
1/2	13	5	U		110 to 240vAC	ABVM04S/2AR + option		
2/4	3/4 20	5	0	40	9 to 24v AC or DC	ABVM06S/9AR + option		
3/4				10	110 to 240vAC	ABVM06S/2AR + option		
4	0.5	_	0	10	9 to 24v AC or DC	ABVM08S/9AR + option		
1	25	5			110 to 240vAC	ABVM08S/2AR + option		

OPTIONS

Visual Position Indication, Failsafe Closed 2 wire (+AR) or Failsafe Open 2 wire (+AR-NO)

Manual Override (Lift + Turn +MO) 9-24 volt only. (Not IP67)

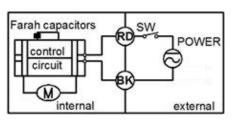
Power Open / Power Close, 2 wire + 1 control wire

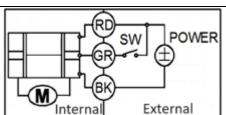
Fully Open + Closed volt free position feedback switches (+E2), Rated 0 to 36vDC 0.4 Amp Max

Sun and rain protection cover

316 Stainless, PVC, 3-piece, 3 way & Brass Ball Valves, longer lead wire, different voltage and more

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





Failsafe Control.

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

3 Wire Control

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

position and then automatically powers off. Valve stays in start position.

Included

externa

Farah capacitors

control

circuit (M)

With Position Feed Back Switches

GR→ Fully open signal

Common

YW)⊸ Fully closed signal

Power OFF to GREEN motor actuates valve back to start

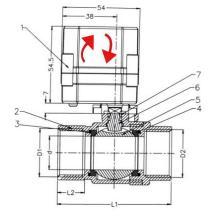
CONSTRUCTION

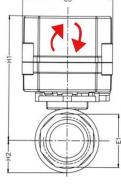
Valve Body: 304 stainless steel static test pressure 35 Bar.

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		