

Media: oils, fluid + gas
 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
 Seals: PTFE + FKM

Actuated Ball Valve

1/4 – 1

Failsafe + Power Open/Close

0 – 10 Bar

TYPE ABVMV/AR



PRESSURE

Ø Port BSP	Orifice mm	Operating Time Seconds	Pressure Rating (Bar) ΔP		Voltage	Part Number
			Min	Max		
1/4	8	5	0	10	9 to 24v AC or DC	ABVM02SV/9AR + option
					110 to 240vAC	ABVM02SV/2AR + option
3/8	10	5	0	10	9 to 24v AC or DC	ABVM03SV/9AR + option
					110 to 240vAC	ABVM03SV/2AR + option
1/2	15	5	0	10	9 to 24v AC or DC	ABVM04SV/9AR + option
					110 to 240vAC	ABVM04SV/2AR + option
3/4	20	5	0	10	9 to 24v AC or DC	ABVM06SV/9AR + option
					110 to 240vAC	ABVM06SV/2AR + option
1	25	5	0	10	9 to 24v AC or DC	ABVM08SV/9AR + option
					110 to 240vAC	ABVM08SV/2AR + option

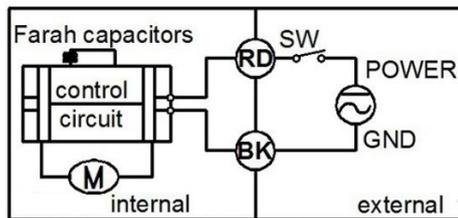
OPTIONS

Visual Position Indication, Failsafe Closed 2 wire (+AR), 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, 3-piece, 3 way & Brass Ball Valves, longer lead wire, different voltage and more

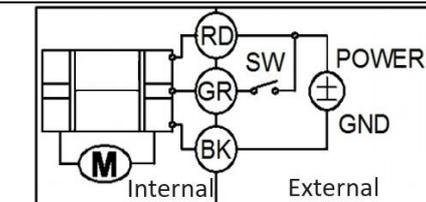
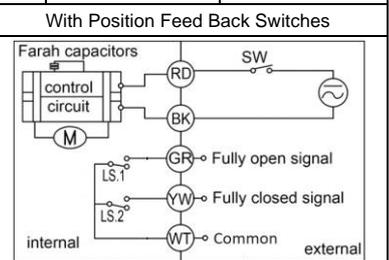
Included

ELECTRICAL DATA

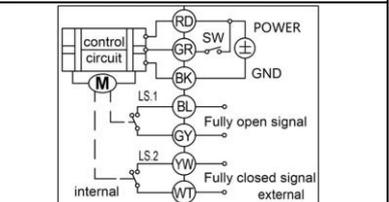
Voltage Min - Max Continuous Duty 100%	Actuator		Power		Enclosure	Electrical connections
	Model	Torque	Moving	Holding		
9 to 24 volts AC 50/60Hz or DC	ABVM-V	2 Nm	5 Watts	0.22 Watts	IP67	0.5 meter lead wires
110 to 240 volts AC 50/60Hz				0.6 Watts		



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 10-15 seconds Power On to recharge the Farah capacitors.



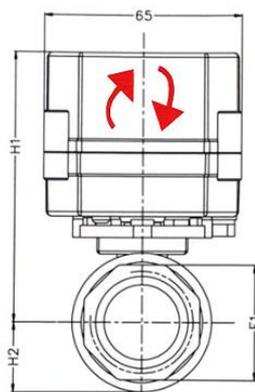
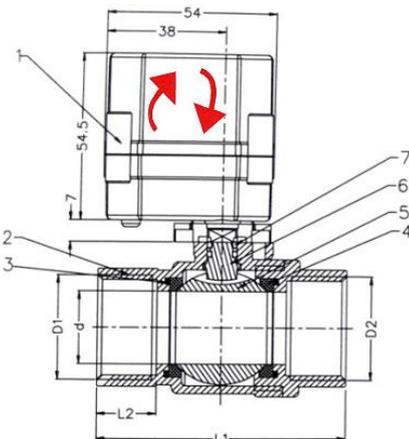
3 Wire Control
 Power ON to GREEN motor actuates valve into powered position and then automatically powers off.
 Valve stays in powered position.
 Power OFF to GREEN motor actuates valve back to start position and then automatically powers off.
 Valve stays in start position.



CONSTRUCTION

Valve Body: 304 stainless steel static test pressure 35 Bar.
 Seals: Stem 2x FKM, Ball FKM + 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	FKM
4	Sealing	PTFE/FKM
5	Ball	SS304
6	Stem	SS304
7	O Ring	FKM