

Media: air – water – gases – liquid
 Pressure range: 0 to 10 Bar max
 Media temperature: -15°C +100°C max
 Ambient temperature: -15°C to +50°C
 Media viscosity: 500 centistokes max
 Duty cycle: 100,000
 Mounting: Any
 Seals: PTFE

Actuated Ball Valve

1/2 – 1
STANDARD + FAILSAFE
2 WAY DIRECT
 0 – 10 Bar
TYPE ABVM/AR



PRESSURE

Ø Port BSP	Orifice mm	Max Opening Time Seconds	Max Closing Time Seconds	Min (Bar)	Max (Bar)	Voltage	Part Number
1/2	15	5	5	0	10	9 to 24v AC or DC	ABVM04S/9 + option
						110 to 240vAC	ABVM04S/2 + option
3/4	20	5	5	0	10	9 to 24v AC or DC	ABVM06S/9 + option
						110 to 240vAC	ABVM06S/2 + option
1	25	5	5	0	10	9 to 24v AC or DC	ABVM08S/9 + option
						110 to 240vAC	ABVM08S/2 + option

OPTIONS

Visual Position Indication, Failsafe Closed +AR, Failsafe Open +AR-NO
 Manual Over Ride (Lift + Turn +MO) 9-24 volt only.
 3 wire control (power open and power closed)
 Fully Open and fully closed position volt free feedback switches (+E2)
 316 Stainless, 3 piece, 3 way & Brass Ball Valves or 1.5mtr lead wire or more

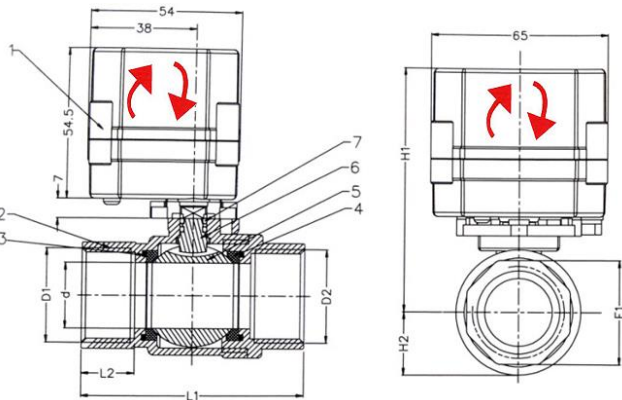
ELECTRICAL DATA

Voltage Min - Max Continuous duty 100%	Actuator		Power	Enclosure	Electrical connections
	Model	Torque			
9 to 24 volts AC 50/60Hz or DC	ABVM	2 Nm	5 Watts moving then <1 Watt	IP67	2 lead wires 0.5 meter
110 to 240 volts AC 50/60Hz					

CONSTRUCTION

Valve Body: 304 stainless steel, Optional Brass or 316 stainless steel, Seals: Steam FKM & Ball PTFE Floating no leakage design
 ABVM Actuator: ABS Engineering Plastic , Gears Metal

OVERALL DIMENSIONS



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

Requires 10-15 seconds first charge (Power ON) thereafter a minimum 6-10 seconds charge (Power ON) time For recharge the reserve power.

<p>Actuator internal chart Actuator external controller</p>	<p>Switch power ON motor actuates valve into powered position and then automatically powers off. Valve stays in powered position.</p> <p>Switch power OFF motor actuates valve back to start position using reserve power. Valve stays in start position.</p>	<p>With Position Feed Back Switches</p> <p>Actuator internal controls Actuator external controls</p>
<p>Actuator internal chart Actuator external controller</p>	<p>Switch power ON to GREEN motor actuates valve into OPEN position and then automatically powers off. Valve stays in open position.</p> <p>Switch Power OFF to GREEN motor actuates valve into CLOSED position and then automatically powers off. Valve stays in closed position.</p>	<p>Actuator internal chart Actuator external controller</p>