

Media: Water  
 Pressure range: 0 to 10 Bar max  
 Media temp: -15°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

# Wi-Fi WRAS Ball Valve

1/4 – 1  
 Failsafe Modulating + Timer  
 0 – 10 Bar  
 TYPE ABVM-WiFi



## PRESSURE

Ø Port BSP	Orifice mm	Pressure Rating (Bar) ΔP		Voltage	Part Number
		Min	Max		
1/4	8	0	10	5vDC USB	ABVMWIFI02S/3
3/8	10	0	10		ABVMWIFI03S/3
1/2	15	0	10		ABVMWIFI04S/3
3/4	20	0	10		ABVMWIFI06S/3
1	25	0	10		ABVMWIFI08S/3

## OPTIONS

Visual Position Indication	Included
Sun and rain protection cover	TBA
316 Stainless, PVC, 3-piece, 3 way & Brass Ball Valves, longer lead wire and more	TBA

## ELECTRICAL DATA

Voltage Min - Max Continuous Duty 100%	Actuator		Power			Enclosure	Electrical connections
	Model	Torque	Start (Peak)	Moving	Holding		
5vDC	ABVM-WiFi	3 Nm	2 Amp	5 Watts	0.22 Watts	IP67	1.5 meter to USB
			0.5 Amp		0.6 Watts		

Wi-Fi Control via Smart Life App – Open or close your valve from anywhere.  
 Custom Timer Settings – Automate valve position daily or weekly.  
 Power Failure Memory – Automatically return to preset valve position on restart.  
 Manual Override: Not required – fully app-controlled

### Easy Setup in Minutes

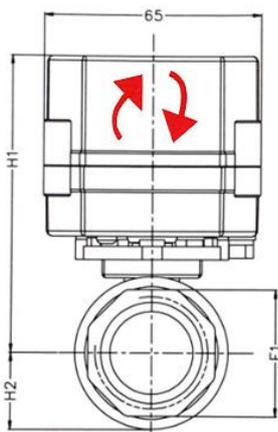
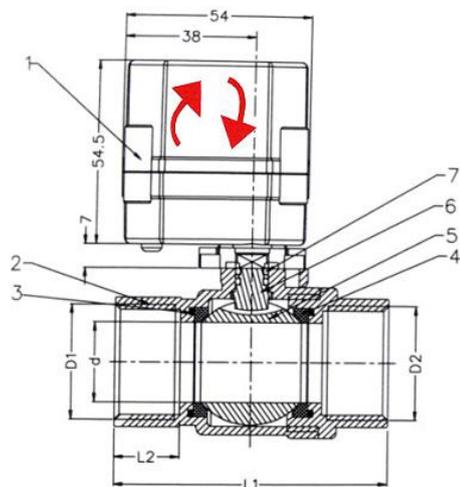
Connecting the ABVM Wi-Fi Smart Valve is quick and simple:

1. Download the **Smart Life App** (iOS & Android) from App Store.
2. Click the + sign in to add device
3. Power up the valve – connect USB cable, press and hold button for 5 seconds until yellow LED flashes.
4. Accept location + Bluetooth
5. Click Radio valve controller, choose you Wi-Fi and enter password, device added successfully.
6. On homepage, click “Radio Valve Controller” to enter parameter setting page.
7. Click button “0%” to fully close the valve; Click button “100%” to fully open the valve. The middle instrument panel controls the valve opening from 0 to 100%, with each step on the scale representing 10% of the valve open position.
8. Timer: You can set a time point in the day to open the valve to a fixed position. For example, if you set the time: 8:30 and Repeat: Friday and Percent: 50%, the valve will open 50% at 8:30 every Friday.
9. Power Failure Default Function : Upon power supply failure use “Power outage memory” function being turned on, set “Power outage action” where the valve closes after power failure. 0% means the valve is completely closed after power failure. 100% means the valve is completely open after power failure.

## 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