

## ABV Datasheet

Actuated WRAS Ball Valve



### Product Overview

ABV actuated WRAS ball valves are power open/close and constructed with a durable brass body.

### Approvals



### Technical Specifications

- Media: air - 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
- Seals: PTFE + EPDM

### Electrical Data

- Media: air - 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
- Seals: PTFE + EPDM

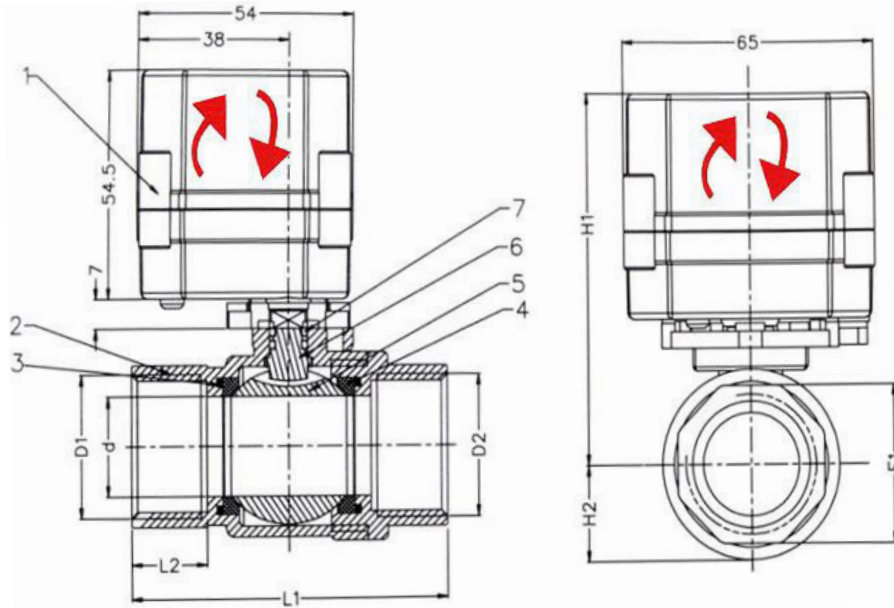
### Options

- Visual Position Indication, Failsafe Closed 2 wire or Failsafe Open 2 wire
- Manual Override - 9-24 volt only. (Not IP67)
- Power Open / Power Close, 2 wire + 1 control wire
- Fully Open + Closed volt free position feedback switches, 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

### 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

# PRODUCT SPEC SHEET

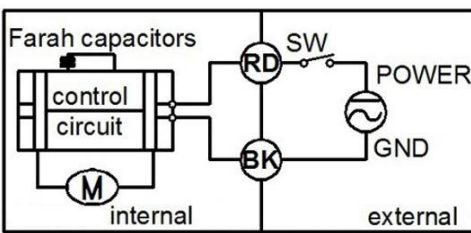


Port D1/D2	d	L1	L2	E1	H1	H2	Kg
1/4	8	49	12	20.5	69	12	0.3
3/8	10	49	12	20.5	69	12	0.4
1/2	15	63	14	25	83	17	0.4
3/4	20	72	17	31	87	20	0.5
1	25	81	18	38	95	24	0.7

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

## 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	2 Nm	5 Watts	0.22 Watts	IP67	0.5 meter lead wires
110 to 240 volts AC 50/60Hz				0.6 Watts		

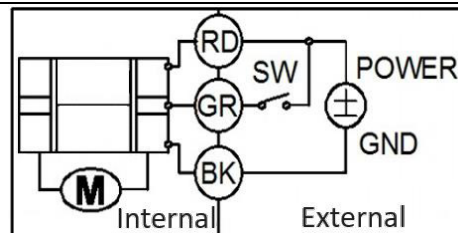
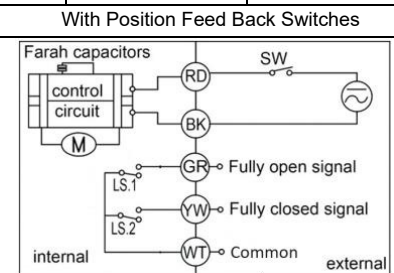


**Fail-safe Control.**

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.

**Fail-safe 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.

