

ABV

Datasheet

Actuated WRAS Ball Valve



9-24V AC/DC or
240V AC Power Input



WRAS Approved
IP67 Rated



Power
Open/Close



1/4" to 2" Screwed
Available For This
Model

Approvals



Product Overview

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

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
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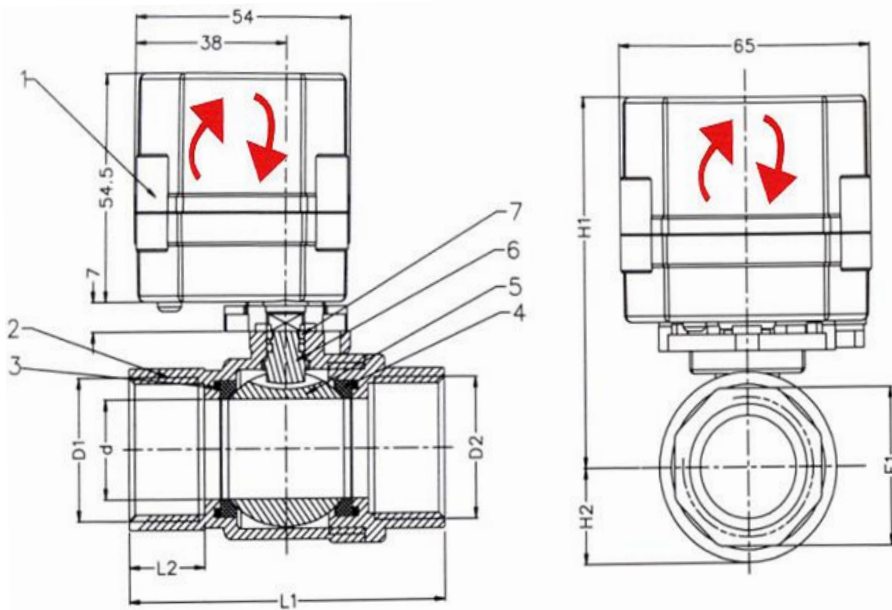
Options

- 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

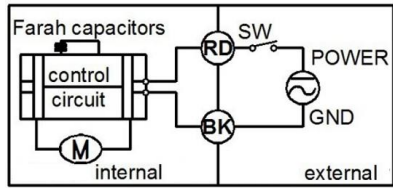
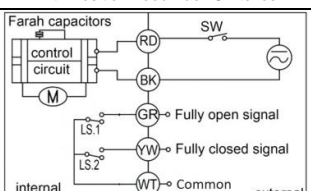
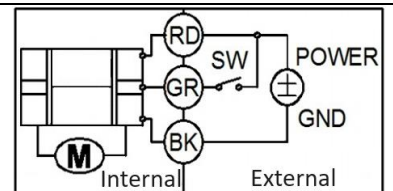
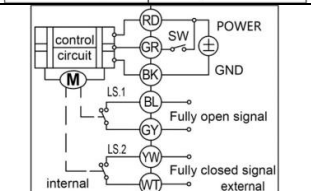
- Valve Body: 304 stainless steel static test pressure 35 Bar.
- Seals:
- Stem 2x EPDM, Ball WRAS EPDM + PTFE Floating no leakage design
- ABVM Actuator: ABS Engineering Plastic, Gears: Metal, Factory function test 200 cycles Open/Close

Main 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

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		
 <p>Farah capacitors control circuit internal external</p>		<p>Fail-safe Control.</p> <p>Power ON motor actuates valve into powered position and then automatically powers off. Valve stays in powered position.</p> <p>Power OFF motor actuates valve back to start position using reserve power. Valve stays in start position.</p> <p><i>Fail-safe requires 10-15 seconds Power On to Recharge the Farah capacitors.</i></p>		<p>With Position Feed Back Switches</p>  <p>Farah capacitors control circuit internal external</p> <p>LS.1 GR Fully open signal LS.2 YW Fully closed signal WT Common</p>		
 <p>control circuit internal External</p>		<p>3 Wire Control</p> <p>Power ON to GREEN motor actuates valve into powered position and then automatically powers off. Valve stays in powered position.</p> <p>Power OFF to GREEN motor actuates valve back to start position and then automatically powers off. Valve stays in start position.</p>		 <p>control circuit internal external</p> <p>LS.1 BL Fully open signal LS.2 YW Fully closed signal WT Fully closed signal</p>		

Find out more

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