

AquiTron

AT-BV-NO

Actuated Ball Valve



DATA SHEET



aquilar
leak detection solutions

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LEAK DETECTION SOLUTIONS



The Aquitron Ball Valve AT-BV-NO is WRAS approved and is designed for use with all Aquitron, EcoLeak, and TraceTek leak detection panels to isolate the hot or cold water supply in the event of a leak. This high-quality valve is suitable for bi-directional flow and low-pressure applications. It supports high flow rates with minimal pressure drop. The valve features a failsafe open position in the event of power loss. The AT-BV-NO is available in two voltage options: 230Vac and 12-24Vdc/24Vac.

VALVE GENERAL INFORMATION

Valve Body	304 Stainless Steel, 2-Way
Thread Type	BSP
Sizes	DN15 to DN50 (15mm to 50mm) ½" to 2"
Seals	Stem 2x EPDM, Ball WRAS EPDM + PTFE Floating no leak design
ABVM Actuator	ABS Engineering Plastic
Gears	Metal
Factory Function	Test 200 Cycles Open/Close
Pressure Range	0 to 10 Bar (Differential Pressure Δp 0Bar)

TECHNICAL INFORMATION

Visual Position Indicator	To clearly see the position, (open or closed) of the valve			
Control	Normally Open, power to close, (fail safe open)			
Voltages	Option 1: 110V to 230Vac (50/60Hz) Option 2: 12-24Vdc, 24Vac			
Power Flex Cable	3 Metres (2-core)			
Duty Cycle	Continuous Duty 100%			
Number of starts / hour	150 (recommended use, see instructions notice)			
Anti-condensation heater	Self-regulated			
Actuator Torque	12-24Vdc, 24Vac Option: 2Nm 110-230Vac Option: 10Nm			
Secured manual override	De-clutching system and external shaft - DN150 (Wheel)			
Mechanical travel stops	90°			
Electric Data	12-24Vdc, 24Vac	Start (Peek) 2 Amp	Moving 5 Watts	Holding 0.22 Watts
	110-230Vac	0.5 Amp	5 Watts	0.6 Watts
Actuator Temperature	-15°C to +50°C			
Enclosure	IP 67			
Opening/Closing Times	Up to 15 Seconds			
Mounting	Any, except upside down (Not coil, actuator down)			
Initial Power-Up	30 second power ON time, then minimum 10 seconds to recharge reserve power			

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VALVE INDICATOR



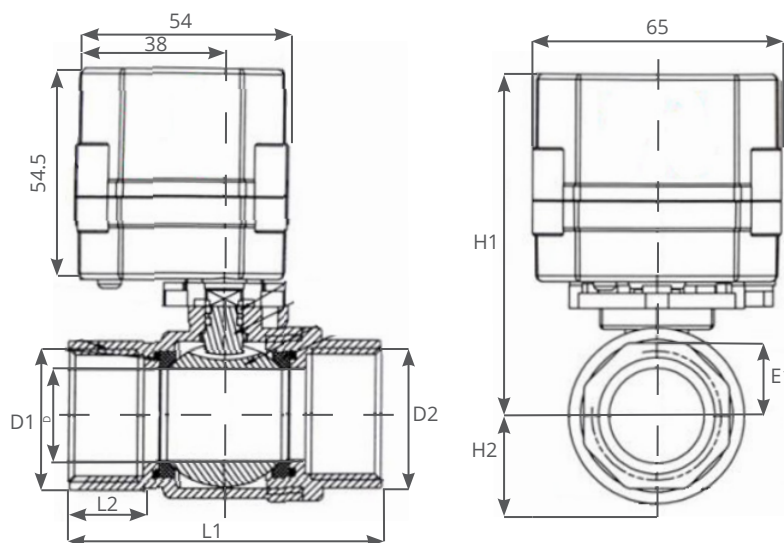
Open



Closed

DIMENSIONS

D 1+ D2	D	L1	L2	E1	H1	H2
15mm - 1/2"	15	63	14	25	83	17
22mm - 3/4"	20	72	17	31	87	20
28mm - 1"	25	81	18	38	95	24
35mm - 1 1/4"	32	102	24	47	122	31
42mm - 1 1/2"	40	115	25	54	130	36
54mm - 2"	50	130	25	66	138	45



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APPROVALS



WRAS Approval Number	2010303
Approval Holder	Connexion Developments Ltd
WRAS Directory Section	2260
Product Type/Model	ABVM Range of Electrically Actuated Ball Valves
Compliance	Regulator Specifications (TCS)/BS Standard
Field of Application	Products comply with the Water Supply Regulations 1999, Byelaws 2014 and Water Supply Regulations 2009

ORDERING INFORMATION

110-230VAC MAINS WATER SHUT-OFF BALL VALVE

6800	AT-B/V-15-230 15mm - 1/2" Ball Valve With Actuator - WRAS Approved 110-230Vac-Normally Open
6801	AT-B/V-22-230 22mm - 3/4" Ball Valve With Actuator - WRAS Approved 110-230Vac-Normally Open
6802	AT-B/V-28-230 28mm - 1" Ball Valve With Actuator- WRAS Approved 110-230Vac-Normally Open
6803	AT-B/V-35-230 35mm - 1 1/4" Ball Valve With Actuator - WRAS Approved 110-230Vac-Normally Open
6804	AT-B/V-42-230 42mm - 1 1/2" Ball Valve With Actuator - WRAS Approved 110-230Vac-Normally Open
6805	AT-B/V-54-230 54mm - 2" Ball Valve With Actuator - WRAS Approved 110-230Vac-Normally Open

12-24VDC (24VAC) LOW POWER WATER SHUT-OFF BALL VALVE

6810	AT-B/V-15-12/24 15mm - 1/2" Ball Valve With Actuator - WRAS Approved 12/24Vdc, 24Vac-Normally Open
6811	AT-B/V-22-12/24 22mm - 3/4" Ball Valve With Actuator - WRAS Approved 12/24Vdc, 24Vac-Normally Open
6812	AT-B/V-28-12/24 28mm - 1" Ball Valve With Actuator- WRAS Approved 12/24Vdc, 24Vac-Normally Open
6813	AT-B/V-35-12/24 35mm - 1 1/4" Ball Valve With Actuator - WRAS Approved 12/24Vdc, 24Vac-Normally Open
6814	AT-B/V-42-12/24 42mm - 1 1/2" Ball Valve With Actuator - WRAS Approved 12/24Vdc, 24Vac-Normally Open

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