

# AquiTron

# AT-BV

Ball Valve



## DATA SHEET



**aquilar**  
leak detection solutions



# AT-BV

## Ball Valve

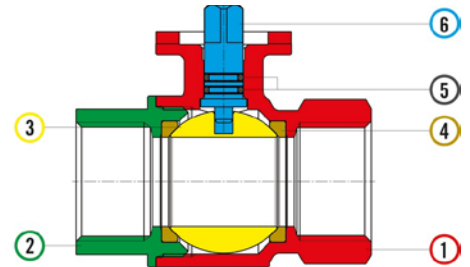
The AquiTron Electronically Actuated Ball Valve can accommodate very high flow rates with minimal pressure drop. The AquiTron Ball Valve can be used with all AquiTron and TraceTek leak detection Panels. This high quality valve is suitable for variable flow direction and low pressure applications. Or where physical valve open and closed feedback is required.

### ACTUATOR TECHNICAL INFORMATION

<b>Visual Position Indicator</b>	Modular ( handle )
<b>Control</b>	On-Off
<b>Voltages</b>	100V to 240Vac (50/60Hz) Standard & optional low voltage options available.
<b>Duty Cycle</b>	Service S4 - 50% (IEC34 Standard)
<b>Number of starts / hour</b>	150 (recommended use, see instructions notice)
<b>Feedback Relay</b>	Failure (torque, temperature)
<b>Anti-condensation heater</b>	Self-regulated
<b>Number of limit switches</b>	4 adjustable switches (5A max.)
<b>Secured manual override</b>	De-clutching system and external shaft - DN150 (Wheel)
<b>Mechanical travel stops</b>	90°
<b>Electric connection</b>	1 Connector 3P+T DIN43650
<b>Actuator Temperature</b>	10°C to +55°C
<b>Enclosure</b>	IP 66
<b>Weight</b>	Check Dimensions Table below

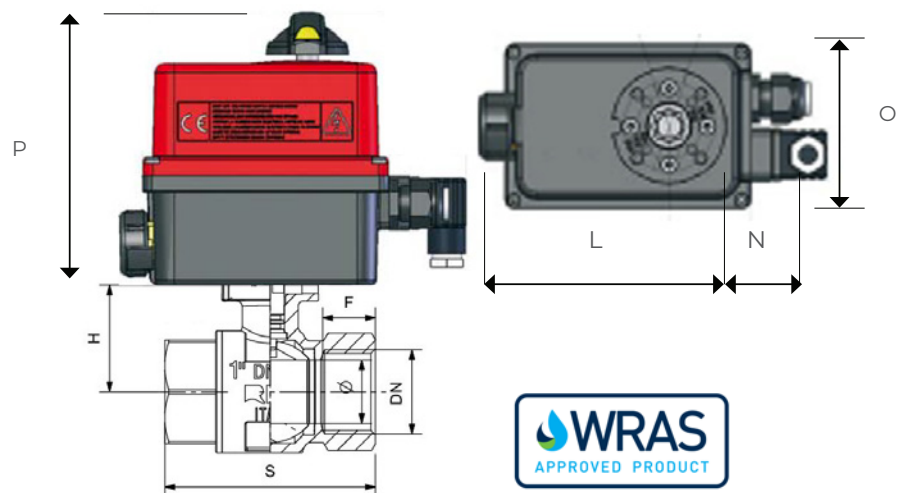
## VALVE MECHANICAL INFORMATION

1	Body	Brass	Nickel Plated
2	Body End	Brass	Nickel Plated
3	Ball	Brass	Chrome Plated
4	Seats	P.T.F.E	
5	O-Ring	FKM	
6	Stem	Brass	

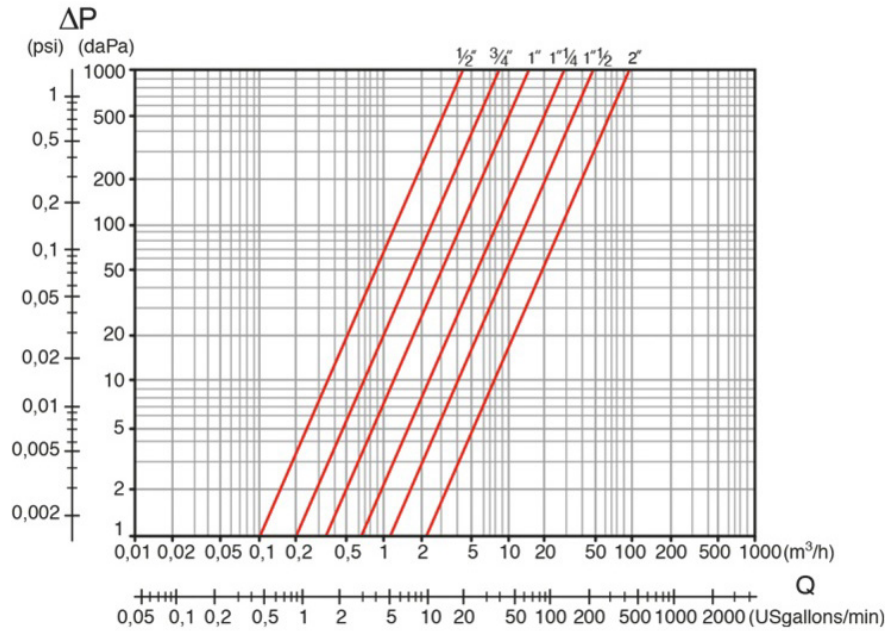


## DIMENSIONS IN MM

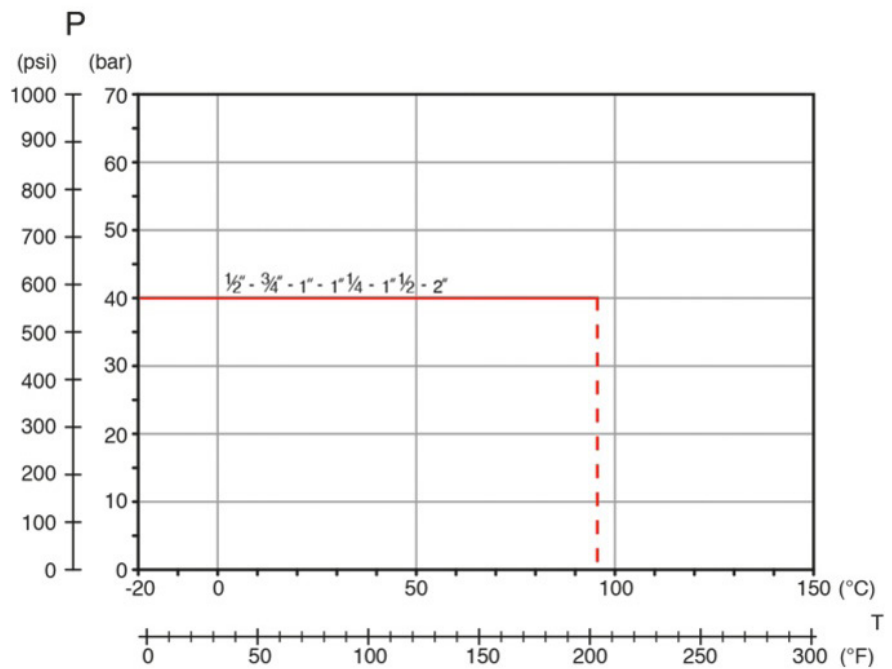
<b>DN</b>	15	22	28	35	42	54
$\varnothing$	15	20	25	32	40	50
<b>H</b>	31	37	41	46.5	58	65.5
<b>S</b>	59	69	83	94	102	124
<b>F</b>	17	18	22	24	24	28
<b>PN</b>	40	40	40	40	40	40
<b>L</b>	136	136	136	136	136	136
<b>N</b>	42	42	42	42	42	42
<b>O</b>	92	92	92	92	92	92
<b>P</b>	152	152	152	152	152	152
<b>ACT.</b>	ER 10	ER 10	ER 10	ER 20	ER 20	ER 20
<b>ISO 5211</b>	M1 (F03)	M1 (F03)	M1 (F03)	M4 (F05)	M4 (F05)	M4 (F05)
<b>Weight Kg</b>	~1.29Kg	~1.43Kg	1.69Kg	~2.22Kg	~2.55Kg	~3.35Kg



### PRESSURE LOSS CHART



### TEMPERATURE/PRESSURE



## APPROVALS

Complies with 97/23/CE (PED) Directive CE 1115

**CE** Compliant with standards for emissions EN61000-6-4 / A1 (2011)  
Compliant with standards for immunity EN61000-6-2 (2005)

WRAS Approved

## ORDERING INFORMATION

**FOR USE WITH : AquiTron and TracTek leak detection alarm panels.**

5781 AT-BV-15 15mm - 1/2" Ball Valve With Actuator - WRAS Approved

5782 AT-BV-22 22mm - 3/4" Ball Valve With Actuator - WRAS Approved

5783 AT-BV-28 28mm - 1" Ball Valve With Actuator - WRAS Approved

5784 AT-BV-35 35mm - 1 1/4" Ball Valve With Actuator - WRAS Approved

5786 AT-BV-42 42mm - 1 1/2" Ball Valve With Actuator - WRAS Approved

5787 AT-BV-54 54mm - 2" Ball Valve With Actuator - WRAS Approved

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