Product Specifications

Job Name _____ Job Location _____

Representative _____

Trident™ Local Area Shut-off Valve DT-505

There are times when leak sensing and monitoring is not enough. In certain cases when a leak is sensed, you want to stop the flow of water immediately. With the valve closure system, you do not have to wait for a person to respond to shut the valve.

How it Works

1) Valve Sensor detects leak.
2) Sensor immediately shuts valve(s).
3) Base Station informs proper authority of leak.
4) Action can be taken.

Where water shut-off is used:

- Under the sink and hot water heaters
- Mission critical areas (data centers, server rooms,etc.)
- Near high-voltage electrical equipment
- Limited access areas
- Irreplaceable items (rare books, medical supplies, photographs, personal items)

In these situations time is critical. Just a small leak can wreak havoc in a data center. Even if you have personnel around-the-clock in your building, they may not have access to every floor.

The Trident sensor-controlled valve system is designed to shut the water off to one or two valves (hot and cold) from the signal of a single sensor. Ideally suited for under a sink or behind a washing machine, this local control means that you will shut the water off only where water is leaking.

All valves are certified for potable water use.

Simple to install valve(s) are plug and play like all systems from The Detection Group. The systems information and controls are available through the Trident Platform.

Stop the flow. And know.

THEDETECTIONGROUP®
A WATTS Brand

Valve Specifications

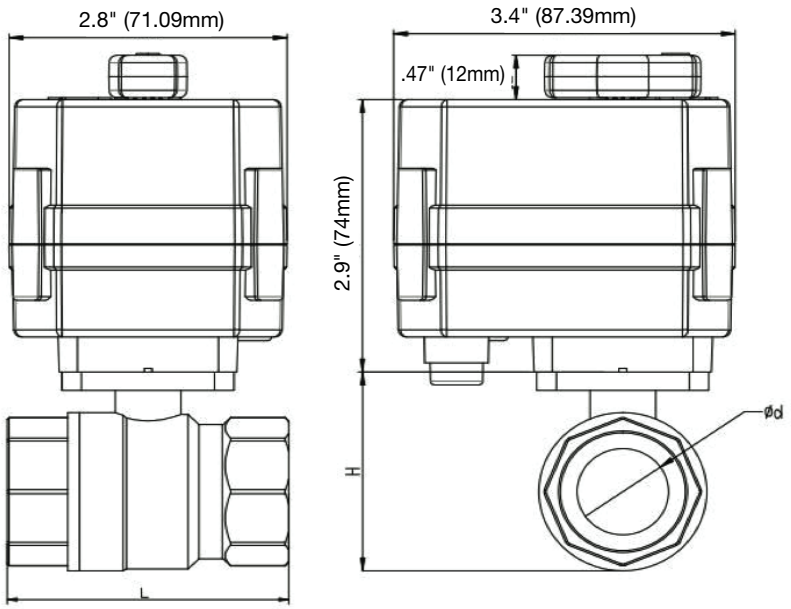
Valve Body Material	Stainless Steel 304
Seat Material	PTFE
Screw Thread	NTB/GB
Maximum Pressure	150-580 PSI
Operating Temperature	32 –212˚F (0– 100˚C)
Ambient Temperature	59 –203˚F (15– 95˚C)
Lifetime Cycles (Valve + Actuator)	> 50,000 times
Quality Cert	ISO-9000
Potable Water California Compliant	NSF/ANSI 61
Safety and Immunity	CE/IEC/BV

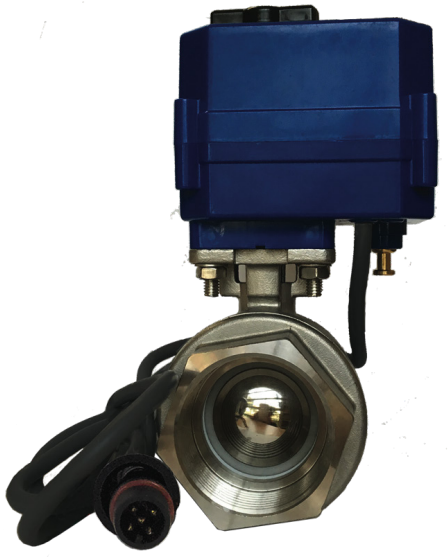
Actuator Specifications

Maximum Torque	25NM
Operating Time (1)	≤ 12 sec
Working Voltage	DC12V
Enclosure Rating	IP65
Working Current	≤500mA
Maximum Power	22W
Wiring Diagram (5 wire)	CR055
Limit Switch Built in	Yes
Housing Rating	IP65
Enclosure Material	UL94-5VA
Gears	Metal/POM
Cable Length	5' (1.5m)*

(1) Important: The total time from when a leak is first detected by the sensor and when the valve is fully closed, runs approximately 30 – 40 seconds. This gives you time to silence the sensor manually and keep the valve open.

*Longer Lengths Available





Valve Dimensions

*Special Order Sizes

Diameter	.5"	.75"	1"	1.25"	1.5"	2"
TDG Part #	DTVS-200-½	DTVS-200-¾	DTVS-200-1	DTVS-200-1¼	DTVS-200-1 ½	DTVS-200-2
Dimensions	.50" (15mm)	.75" (20mm)	1" (23.5mm)	1.25" (32mm)	1.5" (38mm)	2.0" (50mm)
Valve Length	3.85" (98mm)	4.76" (121mm)	3.15" (80mm)	3.54" (90mm)	3.86" (98mm)	4.76" (121mm)
Valve Height	3.93" (100mm)	1.77" (118mm)	2.00" (51mm)	3.31" (84mm)	3.94" (100mm)	4.65" (118mm)
Weight lbs (kg)	.49lbs (.22kg)	.64lbs (.29kg)	1.06lbs (.48kg)	2.40lbs (1.09kg)	3.17lbs (1.44kg)	5.20lbs (2.36kg)

The Detection Group system is always on, always working.

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NSF

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