

DTF-310 Series Flow Meter & Valve

Specifications



THE **DETECTION** GROUP

Wireless Water Leak Detection

A **WATTS** Brand

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Description

- Larger size flow meter that functions like a security system with two modes (Normal/After Hours) and user configurable text/email alerts and automatic shut-off
- Remote water shut-off via smartphone/web interface
- On-board ambient temperature sensor
- Rechargeable back-up battery for operation in power outage
- Tracking of historical water consumption
- NSF Certified
- Manual Override of Valve

Components Included

The DTF-310-Series unit consists of five components and access to the Trident Platform.

- Wi-Fi Gateway
- Brass water meter and union couplings
- Motorized ball valve
- Power Adapter
- Cat 5e

Operational Requirements

- Broadband 2.4 GHz Wi-Fi connection (Optional Cellular hotspot available)
- 110v power for wall adapter and shut-off actuator motor
- Indoor installation, plumbed-in by licensed commercial plumbing contractor

Typical Configuration

- **Must be installed inside, unit is not waterproof**
- Gateway must be installed in vicinity of existing power outlet
- Gateway must be installed within signal range of 2.4 GHz WiFi
- Install after Utility Water Meter, typically where main water supply enters building, or other locations throughout the building
- Horizontal or vertical installation

Flow Meter Table

Diameter	3" Meter	4" Meter	6" Meter
Part Number	DTF-310-3	DTF-310-4	DTF-310-6
Low/High Flow Rate	.047/450 GPM	.125/1000 GPM	.250/2000 GPM
Max Working Pressure	150 PSI	150 PSI	150 PSI
Min/Max Temp	34 °F/122 °F	34 °F/122 °F	34 °F/122 °F
Accuracy	±1.5% for Low Flow Bypass	±2.5% for Low Flow Bypass	±3% for Low Flow Bypass
Flow Meter Only Dimensions (L"xH"xW")	24"x11"x15"	29"x11.5"x17"	36.5"x13.75"x22"
Full Unit Dimensions & Weight (L"xH"xW")	32.3"x22.3"x15" 183 lbs	38"x24.9"x17" 235 lbs	47"x28.9"x22" 388 lbs

Valve Table

Diameter	3" Valve	4" Valve	6" Valve
Body Material	A536 grade 65-45-12 ductile iron body with solid stainless steel ball	A536 grade 65-45-12 ductile iron body with solid stainless steel ball	A536 grade 65-45-12 ductile iron body with solid stainless steel ball
Gearing	Stainless Steel	Stainless Steel	Stainless Steel
Rating	200,000 Turns	200,000 Turns	200,000 Turns
Max Working Pressure	300 PSI	300 PSI	300 PSI
Valve Dimensions (L"xH"xW")	8.3"x22.3"x12.8"	9"x24.9"x15.5"	10.5"x28.9"x15.5"

*DTF-310 (3"-6") Actuators require additional 110 V of power