

DTF-100 Series Flow Meter & Valve Specifications



THE **DETECTION** GROUP
Wireless Water Leak Detection

A **WATTS** Brand

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Description

- Flow meter that functions like a security system with two modes (Normal Hours/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 during power outage
- Tracking of historical water consumption
- NSF Certified
- Manual Override of Valve

Components Included

The DTF-100-Series unit consists of five components listed below and access to the Trident Platform.

- Flow Meter
- Wi-Fi Gateway
- Motorized ball valve
- Power Adapter
- Cat 5e cable for local communication to gateway

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
- 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	¾" Meter	1" Meter	1 ½" Meter	2" Meter
Part Number	DTF-100-3/4	DTF-100-1	DTF-100-1 1/2	DTF-100-2
Low/High Flow Rate	.047/25 GPM	.078/25 GPM	.50/100 GPM	.75/160 GPM
Max Working Pressure	150 PSI	150 PSI	150 PSI	150 PSI
Min/Max Temp	34 °F/122 °F	34 °F/122 °F	122 °F (Max only given)	122 °F (Max only given)
Accuracy (GPM within Low/High Flow)	±1.5%	±2.5%	±3%	±3%
Flow Meter Only Dimensions with union couplings for DTF-100 units (L"xH"xW")	11.5"x3.81"x3.63"	15.5"x4.25"x 4.13"	18.13"x8.25"x6"	21.5"x8.25"x6"
Full Unit Dimensions & Weight (L"xH"xW")	14.1"x5"x3.63" 6.2 lbs	18"x5"x4.13" 9.2 lbs	21.5"x9.5"x6" 21 lbs	25"x10"x6" 29.2 lbs

Valve Table

Diameter	¾" Valve	1" Valve	1.5" Valve	2" Valve
Body Material	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304
Gearing	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Rating	70,000 Turns	70,000 Turns	70,000 Turns	70,000 Turns
Max Working Pressure	145 PSI	145 PSI	232 PSI	232 PSI
Valve Dimensions (L"xH"xW")	2.60"x3.42"x2.56"	3.13"x4.25"x3.375"	3.875"x7.25"x3.75"	4.75"x7.75"x4.25"