

HC FLOW METER

HYDRAWISE

Detect, monitor, and report critical flow zone data and total system flows with this robust and simple-to-install flow sensor. Add wireless flow-monitoring capabilities to Hydrawise systems with a simple and affordable communication kit.

Key Benefits

- Compatible with HC, HPC, Pro-HC, and HCC controllers
- Sends automatic alerts in the event of high-flow, low-flow, or unscheduled flow conditions
- Robust brass construction with union fittings for easy installation and removal for winterization
- Provides station-level flow rates and totals
- Flow reports within Hydrawise software can display total system water use and individual station water use for accurate water budgeting and tracking
- Analog dial on the face of the meter displays daily flow totals and a leak detector

Optional wireless communication kit available for use with any HC Flow Meter and Hydrawise enabled HC, HPC, Pro-HC, or HCC controllers

- Sends station-level flow rates and totals wirelessly from the sensor to the controller, without the need to run wire or dig trenches
- Receiver is powered by the host controller and transfers flow data from the sensor/transmitter to the controller and cloud software
- Battery-operated transmitter connects to the flow meter to detect and communicate flow rates and totals
- Provides 500' line-of-sight communication from transmitter to receiver

Operating Specifications

- Scaled pulse output is pre-calibrated from the factory based on the size of the meter
- Accuracy: ± 2% of reading at recommended flow
- When wired directly to the controller, meter must be installed with shielded, minimum 18 AWG wire, up to 1,000' from the controller
- Warranty period: 2 years

Wireless Operating Specifications

- 500' range (line of sight) from transmitter to receiver
- Transmitter power supply: 3 AA batteries
- Communication frequency: 900 MHz for use in North America
- Receiver power supply: 24 VAC from host controller

Approvals

- FCC, CE, and RCM approved
- Receiver is IP24 rated
- Transmitter is IP68 rated

Sensor: Flow
Type: Wired or Wireless



HC-075-FLOW

Inlet Size: 3/4" NPT
Height: 3 1/8"
Length: 9 1/8"
Depth: 3 1/8"
Weight: 2.1 lbs



HC-100-FLOW

Inlet Size: 1" NPT
Height: 3 5/8"
Length: 10 1/4"
Depth: 3 1/8"
Weight: 3.1 lbs



HC-150-FLOW

Inlet Size: 1 1/2" NPT
Height: 6 1/4"
Length: 16 7/8"
Depth: 4 7/8"
Weight: 14.5 lbs



HC-200-FLOW

Inlet Size: 2" NPT
Height: 6 1/4"
Length: 17 1/2"
Depth: 4 7/8"
Weight: 16.3 lbs



W-HC-FLOW-TR

Diameter: 4 1/4"
Height: 5 1/2"
Weight: 1 lb



W-HC-FLOW-R

Height: 5"
Length: 3"
Depth: 1 1/2"
Weight: 0.2 lbs

HC FLOW METER SPECIFICATIONS

Model	Description			
HC-075-FLOW	HC Flow Meter for Hydrawise with ¾" NPT male thread			
HC-100-FLOW	HC-075-FLOW (¾")	HC-100-FLOW (1")	HC-150-FLOW (1½")	HC-200-FLOW (2")
Minimum flow (GPM)	0.22	0.3	0.88	1.98
Maximum recommended flow (GPM)	15	30	66	105
HC-150-FLOW	HC Flow Meter for Hydrawise with 1½" NPT male thread			
HC-200-FLOW	HC Flow Meter for Hydrawise with 2" NPT male thread			
Maximum flow rate (GPM)	21	34	88	132
Dial reading (US gal)	1 pulse per 0.1 U.S. gal	1 pulse per 1 U.S. gal	1 pulse per 1 U.S. gal	1 pulse per 1 U.S. gal

User Installed Options

Model	Description			
W-HC-FLOW	Wireless HC Flow Meter Kit (domestic 900 MHz), includes transmitter and receiver			
W-HC-FLOW-R	Wireless HC Flow Meter receiver only (domestic 900 MHz)			
W-HC-FLOW-TR	Wireless HC Flow Meter transmitter only (domestic 900 MHz)			

Maximum flow rate (GPM)				
Dial reading (US gal)				
Max Working Pressure (PSI)				

