

Hunter®
Industries
HC-075-
FLOW-B HC
Flow Meter



Hunter Industries HC-075-FLOW-B HC Flow Meter Owner's Manual

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Hunter Industries HC-075-FLOW-B HC Flow Meter



Product Information

The HC Flow Meter is a robust and simple-to-install flow sensor designed to detect, monitor, and report critical flow zone data and total system flows. It allows for the addition of wireless flow-monitoring capabilities to

Hydrawise systems through a simple and affordable communication kit.

Specifications

- HC-075-FLOW-B (20 mm): Minimum flow 0.83 l/min, Maximum recommended flow 60 l/min, Maximum flow rate 80 l/min
- HC-100-FLOW-B (25 mm): Minimum flow 1.16 l/min, Maximum recommended flow 110 l/min, Maximum flow rate 130 l/min
- HC-150-FLOW-B (40 mm): Minimum flow 3.33 l/min, Maximum recommended flow 250 l/min, Maximum flow rate 330 l/min
- HC-200-FLOW-B (50 mm): Minimum flow 7.5 l/min, Maximum recommended flow 400 l/min, Maximum flow rate 500 l/min

Operating Specifications

- Wireless Operating Specifications:
 - 152 m range (line of sight) from transmitter to receiver
 - Communication frequency: 868 MHz for international models, 915 MHz for AU/NZ models
 - Transmitter power supply: 3 AA batteries
 - Receiver power supply: 24 VAC from host controller
- Approvals:
 - FCC, CE, and RCM approved
 - Transmitter is IP68 rated, Receiver is IP44 rated

Product Usage Instructions

1. Choose the appropriate HC Flow Meter based on your pipe size.
2. Install the flow sensor in the desired location ensuring proper alignment.
3. If adding wireless capabilities, connect the communication kit as instructed.
4. Ensure proper power supply for both the transmitter and receiver.
5. Follow the user manual for calibration and setup procedures.
6. Monitor the flow data reported by the HC Flow Meter regularly.

FAQ

Q: How do I calibrate the HC Flow Meter?

A: Calibration instructions can be found in the user manual provided with the product. Typically, calibration involves setting the correct flow rates and adjusting the pulse settings.

Q: Can the HC Flow Meter be used with other irrigation systems?

A: The HC Flow Meter is designed specifically for compatibility with Hydrawise systems. It may not work seamlessly with other irrigation systems.

HC Flow Meter

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
- Compatible with ICC2 Controller via Centralus™ communication modules
- Flow Rate: 0.83 to 500 l/min (depending on size)
- Provides station-level flow rates and totals in Hydrawise Software
- Sends automatic alerts in the event of high-flow, low-flow, or unscheduled flow conditions
- Flow reports within Hydrawise Software can display total system water use and individual station water use for accurate water budgeting and tracking
- Robust brass construction with union fittings for easy installation and removal for winterisation
- Analogue dial on the face of the metre 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

HC FLOW METER SPECIFICATIONS

Minimum flow (l/min)

Maximum recommended flow (l/min)

Maximum flow rate (l/min) Dial reading (m3)

HC-075-FLOW-B (20 mm)	HC-100-FLOW-B (25 mm)	HC-150-FLOW-B (40 mm)	HC-200-FLOW-B (50 mm)
0.83	1.16	3.33	7.5
60	110	250	400
80	130	330	500
1 pulse per 1 l	1 pulse per 10 l	1 pulse per 10 l	1 pulse per 10 l

Operating Specifications

- Scaled pulse output is precalibrated from the factory based on the size of the meter
- Meter must be hardwired to the controller via shielded, minimum 0.75 mm² wire, up to 300 m from the controller
- Accuracy: $\pm 2\%$ of reading at recommended flow
- Warranty period: 2 years

Wireless Operating Specifications

- 152 m range (line of sight) from transmitter to receiver
- Communication frequency: 868 MHz for international models
- Communication frequency: 915 MHz for AU/NZ models
- Transmitter power supply: 3 AA batteries
- Receiver power supply: 24 VAC from host controller

Approvals


- FCC, CE, and RCM approved
- Transmitter is IP68 rated
- Receiver is IP44 rated

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<https://redesign.hunterindustries.com/en-metric/irrigation-product/sensors/hc-flow-meter>

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Documents / Resources



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HC-075-FLOW-B, HC-100-FLOW-B, HC-150-FLOW-B, HC-200-FLOW-B, HC-075-FLOW-B HC Flow Meter, HC-075-FLOW-B, HC Flow Meter, Flow Meter, Meter

References

- [User Manual](#)

[Manuals+](#). [Privacy Policy](#)

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