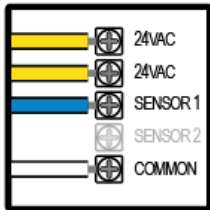


# Flow Meter Installation Tips

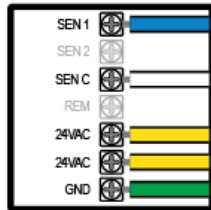
Flow meters are supplied with [detailed installation instructions](#) [1].

The flow meter wires need to be cabled back to the controller and connected to the **Sensor** inputs on the controller. Check out the illustrations below for wiring standard Hydrawise flow meters to each of the model controllers (Sizes include 3/4", 1", 1.5", and 2")

## HC



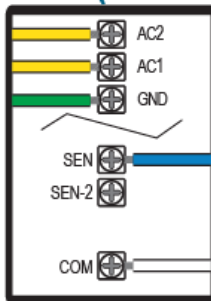
## HCC



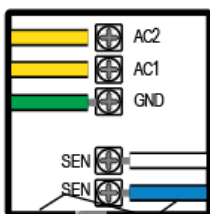
## PRO-HC



## HPC (Jan 2023 Newer)



## HPC



The tips below include all the necessary key points of the installation to avoid any false alerts or readings.

Installation Steps	Description
Flow Meter Body	Flow meters are designed to be installed <b>horizontally only</b> , with the dial facing up. Not vertically. Analog dial for manual readings in U.S. are shown in US gallons (Int. customers the dial reads in Cubic Meters). Units can be changed in App to gallons or liters.

Adapter	Brass unions included to fit your irrigation system.															
Entry Location	<p>Install between the <b>master valve</b> and zone valves. Meter should be installed 10 times pipe diameter before and 5 times after with straight pipe and no fittings. See example:</p> <table border="1"> <thead> <tr> <th>Pipe</th> <th>10x-Before</th> <th>5x-After</th> </tr> </thead> <tbody> <tr> <td>3/4"</td> <td>7.5"</td> <td>3.75"</td> </tr> <tr> <td>1"</td> <td>10"</td> <td>5"</td> </tr> <tr> <td>1.5"</td> <td>15"</td> <td>7.5"</td> </tr> <tr> <td>2"</td> <td>20"</td> <td>10"</td> </tr> </tbody> </table>	Pipe	10x-Before	5x-After	3/4"	7.5"	3.75"	1"	10"	5"	1.5"	15"	7.5"	2"	20"	10"
Pipe	10x-Before	5x-After														
3/4"	7.5"	3.75"														
1"	10"	5"														
1.5"	15"	7.5"														
2"	20"	10"														
Cable used ( <b>shielded cable only</b> )	<p>18 gauge - 1000 foot max Length. <b>Shielded direct burial cable must be used.</b> Cable should consist of two dedicated wires and must not be in the same conduit, cable bundle or trench as the solenoid wires. DO NOT share common wire. Shielded cable is commonly available, here are some manufacturers (<a href="#">Paige</a> [2] &amp; <a href="#">Regency</a> [3]) For additional information on avoiding electrical interference, see below:</p>															
Flow meter body	Arrow indicates direction of flow.															
Wire Connection	Blue/White wire only, <b>red not used</b> . See <a href="#">sensor configuration</a> [4] for more info based on model controller.															
Log in to your account	Enter your <a href="#">login</a> [5] information.															
Create your flow sensor	App will show options for all HC meters.															
Creating Alerts	See link <a href="#">here</a> [6]															
Reading Meter	See link <a href="#">here</a> [7]															
Testing Meter	See link <a href="#">here</a> [8]															

## Avoid Electrical Interference

- Always use shielded cable, between the controller and the HC Flow Meter.
- At the controller end, using the shield (foil wrap) and the bare wire connect them to the

- controller GND terminal (not required for HC controllers).
- Do not connect the other end of the Shield or the bare wire to the Earth or a grounding stake
  - Use Waterproof wire connectors at the flow meter, such as the 3M-DBOB <sup>[9]</sup>.
  - Shielded cable is commonly available, here are some manufacturers. Paige <sup>[2]</sup> & Regency <sup>[3]</sup>