



MONSOON™

GETTING STARTED

Step 1. In the center of your screen, tap the red button that says CONNECT TRANSDUCERS. This will make FireWatch source all Monsoon Bluetooth Transducers within range and present them for selection. If there are Monsoons that do not present, select the word SCAN in the top right corner of your screen to run additional searches for Monsoons within range.

Step 2. Observe the laser engraved marking on a Monsoon and identify the serial number, then find that serial number amongst the Monsoons on your screen. After locating the correlating Monsoon in FireWatch, tap on it and select CONNECT DEVICE.

Step 3. Tap on the cell just below the word Position. A dropdown menu will appear with the following options—

- **Suction:** Select this option if the Monsoon will be placed on the suction side of a fire pump. FireWatch will compel you to select a **Discharge Monsoon** and will automatically pair them to produce a net pressure.
- **Discharge:** Select this option if the Monsoon will be placed on the discharge side of a fire pump. FireWatch will compel you to select a **Suction Monsoon** and will automatically pair them to produce a net pressure.
- **Line:** Select this option if the Monsoon will be placed on any Riptide Flow Testing System equipment for GPM measurement, except Riptide PRV. If there are multiple Lines, they will be automatically be added together for a total GPM.
- **High Pressure:** Select this option if the Monsoon will be placed on the High Position of Riptide PRV. FireWatch will compel you to select a **Low Pressure Monsoon** and will automatically pair them to produce a differential pressure.
- **Low Pressure:** Select this option if the Monsoon will be placed on the Low Position of Riptide PRV. FireWatch will compel you to select a **High Pressure Monsoon** and will automatically pair them to produce a differential pressure.
- **Static/Residual:** Select this option if the Monsoon will be placed in any Static/Residual position: be it on Riptide PRV, a fire hydrant, riser, backflow preventer, etc.

FIRE PUMP TESTING

Step 1. From the Position dropdown, select **Suction**. FireWatch will then compel you to select a **Discharge Monsoon**. Identify and correlate the serial number, select it then tap Submit.

Step 2. After selecting your Suction and Discharge Monsoons they will automatically pair with one another and a Dynamic Information Bar will appear at the top of your screen titled Net Pressure. This is where your Net Pressure can be read.

Step 3. After connecting yet prior to exposing Monsoons to any pressure, tap on the connected Monsoon(s) and an option to Tare or Disconnect will appear. Tap on Tare to zero out the Monsoon so that readings start at an accurate baseline. Repeat this for all Monsoons as you add them.



Step 4. Next, follow steps 2 and 3 under Getting Started to add Lines. After selecting Line, tap the cell below Device Type. A dropdown menu will appear with the following options—

- **Riptide Legacy:** Select this option if you are flowing with the Legacy brass pitot.
- **Riptide ALX:** Select this option if you are flowing with the ALX “knife-blade” style pitot.
- **Riptide Pitotless ALX:** Select this option if you are flowing with the pitotless technology.
- **Riptide PRV:** Select this option if you are flowing with Riptide PRV.

Step 5. After selecting the appropriate Device Type, tap on the cell just below the word Size. A dropdown menu will appear with various sizes. Select the appropriate size for your Device Type and Submit. After adding a **Line**, another tile will appear in the Dynamic Information Bar at the top of your screen titled Total Line GPM. Whether it's one **Line** or ten, all will be added together automatically to determine the total volume flowing.

Step 6. Physically install Monsoons where they should be, based upon how they've been identified in FireWatch.

Step 7. Flow water and observe readings.

FIRE HYDRANT TESTING

Step 1. Follow steps 2 and 3 under Getting Started. After selecting Line, tap the cell below Device Type. A dropdown menu will appear with the following options—

- **Riptide Legacy:** Select this option if you are flowing with the Legacy brass pitot.
- **Riptide ALX:** Select this option if you are flowing with the ALX “knife-blade” style pitot.
- **Riptide Pitotless ALX:** Select this option if you are flowing with the pitotless technology.
- **Riptide PRV:** Select this option if you are flowing with Riptide PRV.

Step 2. After selecting the appropriate Device Type, tap on the cell just below the word Size. A dropdown menu will appear with various sizes. Select the appropriate size for your Device Type and Submit. After adding a **Line**, a tile will appear in the Dynamic Information Bar at the top of your screen titled Total Line GPM. Whether it's one **Line** or ten, all will be added together automatically to determine the total volume flowing.

Step 3. After connecting yet prior to exposing Monsoons to any pressure, tap on the connected Monsoon(s) and an option to Tare or Disconnect will appear. Tap on Tare to zero out the Monsoon so that readings start at an accurate baseline. Repeat this for all Monsoons as you add them.

Step 4. Select another Monsoon and under Position choose Static/Residual, then Submit. Another tile will appear in the dynamic



information bar at the top of your screen titled Static/Residual Pressure.

Step 5. Physically install Monsoons where they should be, based upon how they've been identified in FireWatch.

Step 6. Flow water and observe readings.

PRV TESTING

Step 1. Follow steps 2 and 3 under Getting Started. After selecting **High Pressure**, FireWatch will auto-select Riptide PRV as the Device Type.

Step 2. Tap on the cell just below the word Size. A dropdown menu will appear with various sizes. Select the appropriate size for your Device Type and tap Submit. After adding a Riptide PRV, two tiles will appear in the dynamic information bar at the top of your screen titled Total GPM and Differential Pressure.

Step 3. After connecting yet prior to exposing Monsoons to any intentional water pressure, tap on the connected Monsoon(s) and an option to Tare or Disconnect will appear. Tap on Tare to zero out the Monsoon so that readings start at an accurate baseline. Repeat this for all Monsoons as you add them.

Step 4. Select another Monsoon and under Position choose **Static/Residual**, then Submit. Another tile will appear in the Dynamic Information Bar at the top of your screen titled Static/Residual Pressure.

Step 5. Physically install Monsoons where they should be, based upon how they've been identified in FireWatch.

Step 6. Flow water and observe readings.

All other flow tests are some variation of these configurations be it Standpipes, Forward Flows, Exposed Piping and Underground Flow Tests, Apparatus Pumps, Fog or Smooth Bore Nozzles, etc. When testing is complete, safely remove all Monsoons. Dry them off, clean if necessary and place back in storage for use at a later date.

For tech support, please call Hydra-Tap at (503) 482-8999 or email us at customerservice@hydra-tap.com