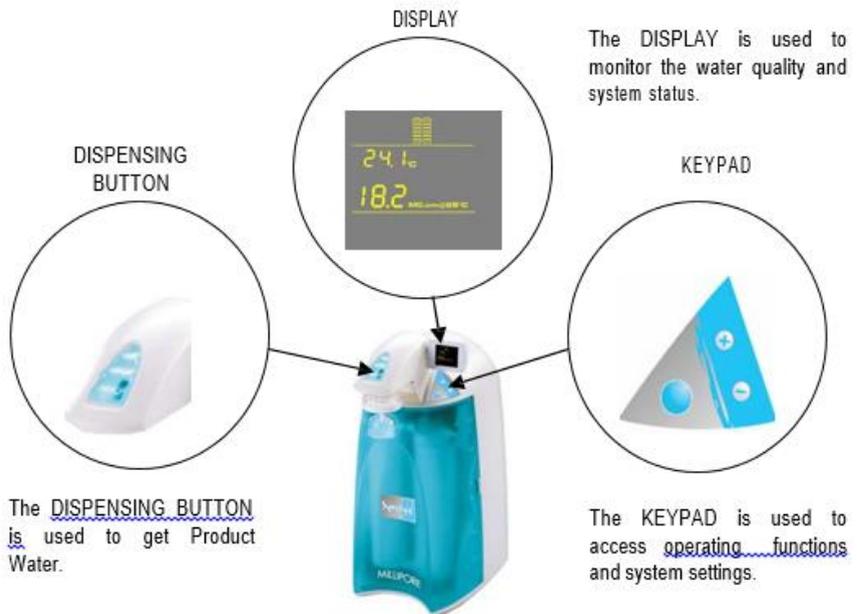


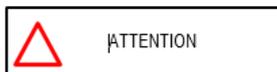
Standard Operating Procedure: Millipore Synergy UV Water system

If the resistance is not 18.2 milliOhms, then please refer to protocol to recalibrate.



Installation and Rincing of the Final Filter

- D Obtain a Final Filter. It can be the Millipak Express 20 or the BioPak Ultrafiltration Cartridge.
- D Remove the Tygon Tubing and the Barbed Fitting from the POU Dispenser.
- D Screw the Final Filter onto the end of the POU Dispenser. The Final Filter should be turned until it is hand tight (A). Do not over tighten the Final Filter.



Do not use white tape on the threads of the Final Filter. The POU Dispenser has an O-ring inside which provides a watertight seal.

- D Press the Dispensing Button once. This will bring the system into DISPENSING mode.
- D (If your Final Filter is a Millipak) Locate the air vent valve on the top side of the Millipak. Open this slowly but do not remove it from the Millipak (B). Allow any air on the clear side of the Millipak to be vented out.



Air will not pass through the membrane filter in the Millipak. If there is trapped air in the Millipak, then a reduction in Product Water flowrate can result.

- D Dispense about 1 Litre of water. Make sure all air is purged out.
- D Press the Dispensing Button once again. The system will finish dispensing water.
- D Leave the system in PRE OPERATE mode.



recommended not to put Tygon Tubing or any other type of tubing on the end of the Final Filter. This can compromise the Product Water quality (bacteria can grow in the Tygon Tubing).

It is highly

The Water System is now ready for use.

A



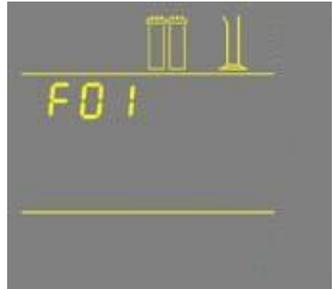
B



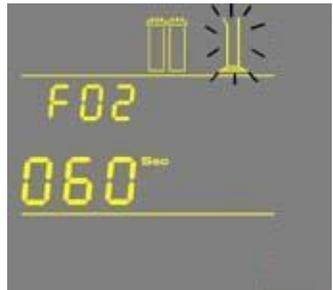
How to calibrate the flow rate from the Synergy

Before calibrating the Product flowrate from the Synergy, you will need a 1 Litre graduated cylinder to measure the total volume of water that will be dispensed. The Final Filter should be installed.

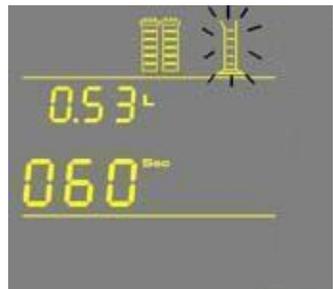
1. Press the Main and “-“ Buttons together to enter the menu. The Display will show F01.



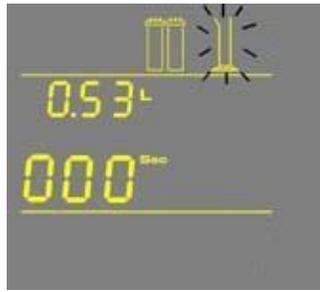
2. Press the Main Button once. The Display will show F02 and the 60 second timer. The graduated cylinder will be blinking.



3. Press the Dispensing Button once. The system will dispense water for 60 seconds. The Display will show the timer counting down.



4. Measure the total volume of water (in Litres) dispensed from the system using a 1 L graduated cylinder.

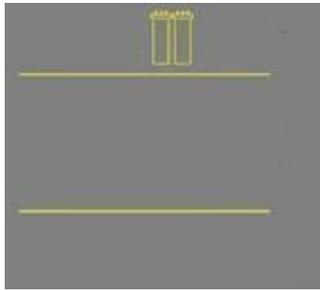


5. Press the "+" or "-" Button to match the volume Display to the volume measured.

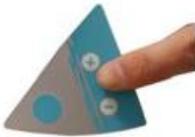
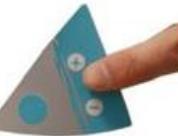
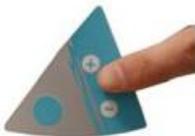
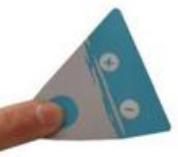
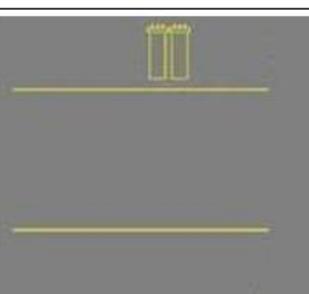


6. To exit the menu, press and hold the Main Button for 2 seconds.

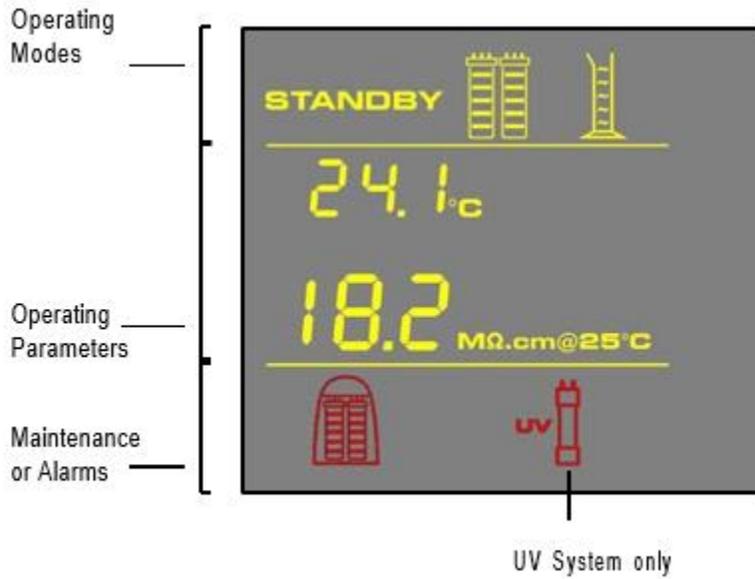
To display the next menu option, press the Main Button once.



Set resistivity/conductivity units

<p>1. Press the Main and "+" Buttons together to enter the menu. The Display will show C01 and the units chosen. The following Display shows Temperature Compensated Resistivity Units: $M\Omega \cdot cm @ 25^\circ C$.</p>		
<p>2. Press the "+" or "-" Button to select Non Temperature Compensated Resistivity Units: $M\Omega \cdot cm$.</p>		
<p>3. Press the "+" or "-" Button to select Temperature Compensated Conductivity Units: $\mu S / cm @ 25^\circ C$.</p>		
<p>4. Press the "+" or "-" Button to select Non Temperature Compensated Conductivity Units: $\mu S/cm$.</p>		
<p>5. To exit the menu, press and hold the Main Button for 2 seconds.</p> <p>To display the next menu option, press the Main Button once.</p>		

Using the Synergy



USING THE DISPENSING BUTTON

There are two ways to get water using the Dispensing Button:

<p>Press once and release.</p>  <p>To stop dispensing water, press the Dispensing Button once again.</p>	<p>OR Press and hold down.</p>  <p>To stop dispensing water, release the Dispensing Button.</p>
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4 To exit the menu, press and hold the Main Button for 2 seconds.

To display the next menu option, press the Main Button once.

