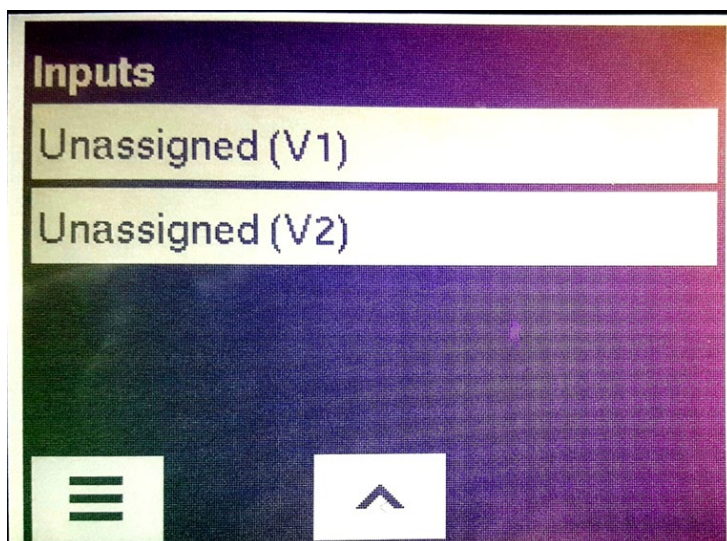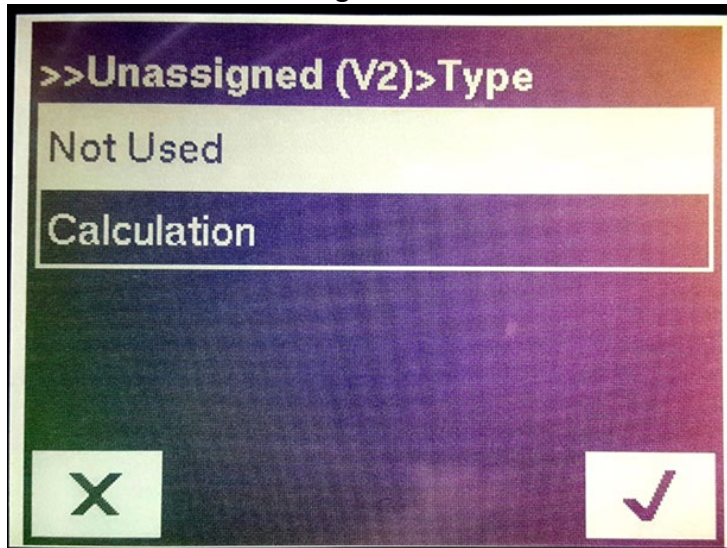## The W600/W900 Virtual Sensor Input

Virtual Input combines 2 actual inputs in to one calculated input. Inputs can be any sensor input, analog input, flowmeter rate, the other virtual input, pulse relay % or analog output %.
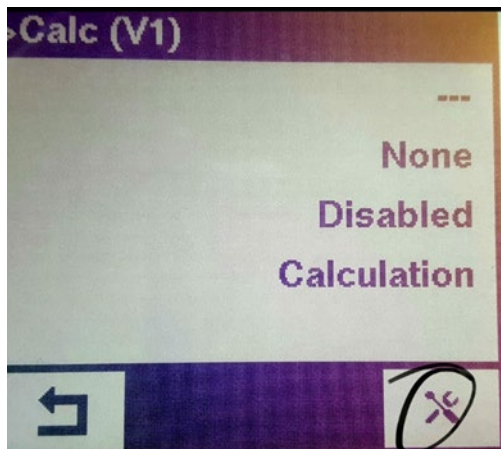
Virtual Inputs can be found in the Inputs menu, at the end of the list.

1. From the Main Menu, press ⬆ INPUTS
2. Scroll down until you see V1 and V2

3. Enter the menu and change it from *Not Used* to *Calculation*

...and then press the Configure key.

Select which calculation mode for your Virtual Sensor:

-Ratio (Input / Input 2)
For example, Cycles of Concentration;
Makeup conductivity must be Input 2 and both sensor must be in the same units of measure
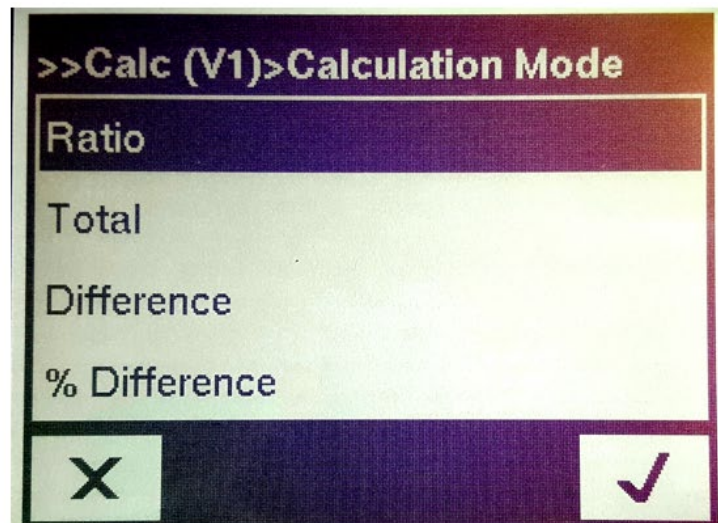
-Total (Input + Input 2)
For example, total flow rate

-Difference (Input – Input 2)
For example, differential pressure

-% Difference [(Input - Input 2) / Input]
For example, % Rejection in Reverse Osmosis

Select the 2 inputs for your Virtual Input.

Inputs can be any sensor input, analog input, flowmeter rate, the other virtual input, pulse relay % or analog output %.

In the example below, it shows 2 flowmeters being selected as Input and Input2, and the Calculation that is being applied is Ratio.

Inputs>Calc (V1)	
Smoothing Factor	0 %
Calculation Mode	Ratio
Input	None
Input 2	None

Inputs>Calc (V1)	
Smoothing Factor	0 %
Calculation Mode	Ratio
Input	Flowmeter (D1)
Input 2	Flowmeter (D2)