Setting the Pump(s) for "External Pulse Mode"

External Pulse Mode: The chemical application rate will be based on what is entered into the FS-1 Controller, and what the flow rate of the system is.

Note: The degassing pump has a self-prime, degassing function that is set on the pump, in addition to the settings that are described to be set here.
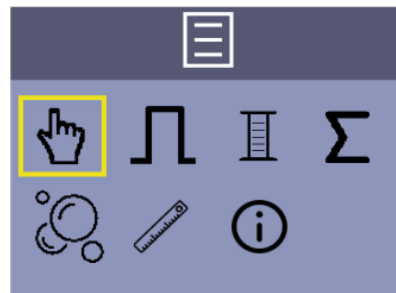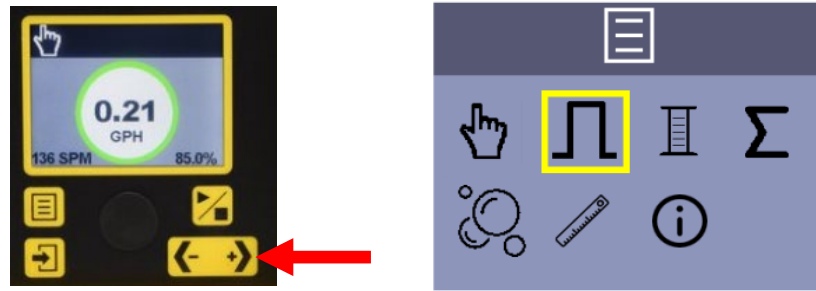
Pump Operations:

1. Intentionally not listed

2. The Display

3. Menu/Cancel

4. Enter

5. Run or Stop

> Hold down for 1.5 seconds to activate 60 seconds run

6. Move selections – ALSO increase/decrease values

7. External Control Connector

8. Low Chemical Level Connector

Setting for the FS-1 and a Flow "Meter"

1. Press the Menu Button (3) to enter the menu settings

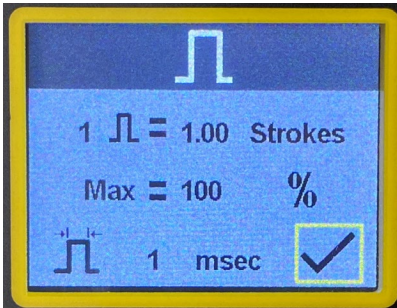2. Press the right arrow button (6) to put the yellow box over the "External Pulse Mode"

3. Press Enter (4) to access the "External Pulse Settings"

These are what the settings should read.

If necessary, arrow though the items to set them as exhibited here using the above two buttons indicated. Arrow to the desired setting, hit enter – adjust with the arrow – hit enter. Then arrow to the next setting.

Eventually you will then arrow to the checkmark and hit the enter button.

4. Now the screen will look like either one of these screens. Note the "External Pulse Setting Icon" in the upper left grey area. This means the pump is operating from the controller based on the flow meter signal.
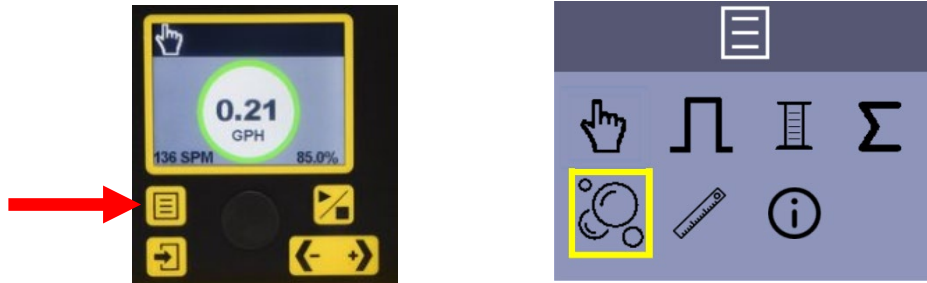

To toggle between these screens use the arrow button.

The pump is not "ON", unless the outer circle is green. Use the Run/Stop button for On/Off.
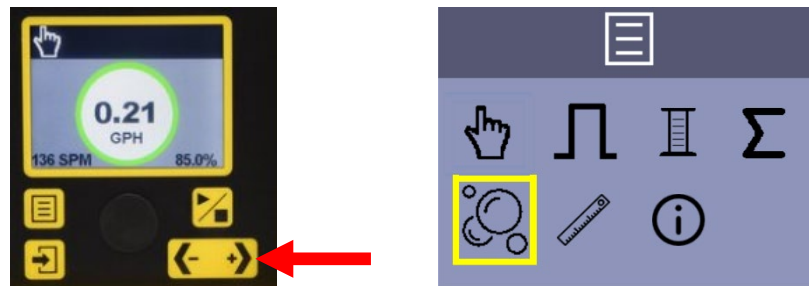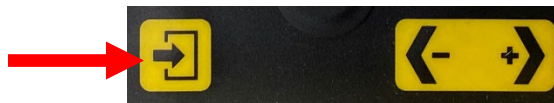
Auto Prime / Degassing

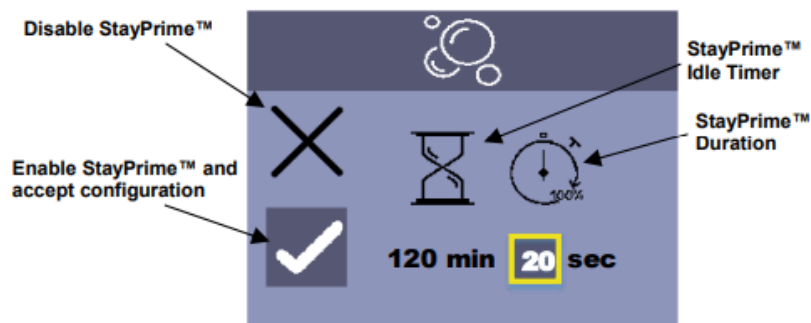1. Press the Menu Button (3) to enter the menu settings

2. Press the right arrow button (6) to put the yellow box over the "External Pulse Mode"

3. Press Enter (4) to access the "Stay Prime, Degassing" operation

These are what the settings should read. If necessary, arrow though the items to set them as exhibited here using the above two buttons indicated. Arrow to the desired setting, hit enter – adjust with the arrow – hit enter. Then arrow to the next setting.

Disable StayPrime™

Enable StayPrime™ and accept configuration

StayPrime™ Idle Timer

StayPrime™ Duration

120 min   20 sec

Use the arrow and enter buttons to make your selections.

The return to the Menu [icon] then be sure to press Run/Stop [icon] to get the green ring [icon] so the pump is in the on position.