Toolbar

The top toolbar for Flowsheet ESP:

Adding Callouts

Callouts are extremely useful in describing what your process is doing right on the PFD. You can always get detailed information using the reports but sometimes a quick glance is all you need.

There are two methods to place a callout on the PFD. The easiest is to right-click on the stream of interest and select Add Callout. In this example, we have a process to which we wish to add a callout:

![Figure 137 Sample process for adding a callout](image)

This actual process is a simulation of an autoclave. Frequently we need to know the volumetric flow of a stream. In this example, we will right-click the stream Initial Charge and then select Add Callout.
Sometimes OLI Flowsheet doesn’t put objects in convenient places:

If you click the callout out can move it to a more readable location:
Editing a callout

The default values for any callout are Temperature, Pressure and pH. We are interested in these but what we really need to know is the total volumetric flow. Right click the callout and select *Edit*:

![Editing a callout](image)

This will display a select variables dialog that is very much like the select variables dialog in OLI Studio:
Expand the **Phase Flows** category and locate the variable **Volume**:

This variable is the sum of the volumes for all phases. Click the right-arrow key to select it.
Figure 144 using the right arrow key (you could also double-click the variable to select it)

Figure 145 The selected variable.

Click the OK button to continue.
The alternative method to add a callout is to use the menu bar. For this example we are going to select the stream **Final Results**.

Locate the Callout toolbar button:

![Figure 147 The callout toolbar button](image)

When you click this button the cursor changes shape to a small hand like object and a red dotted lined box appears when you are hovering over an acceptable object such as a stream or block:
Figure 148 The dotted box
Click to place the box.

Figure 149 The dotted box has turned into a callout box

**Editing the units for a callout**

The units manager is similar to the units manager in OLI Studio and elsewhere in OLI Flowsheet. Once the callout has been placed you can right-click and select **Edit Units**.
Figure 150 Editing units

This will bring up the initial edit units dialog:

Figure 151 The edit units dialog

Normally for a callout we do not need to make global changes. For this example we are going to change the temperature units from degrees centigrade to Fahrenheit. Click the **Customize** button.
Click the **Parameters** minitab

If you click in the box where you wish to change the unit, a dropdown menu will appear:
You can select the desired unit. You will need to click the **OK** button several times to return to the PFD.