Exercise: Create an Embedded Graph
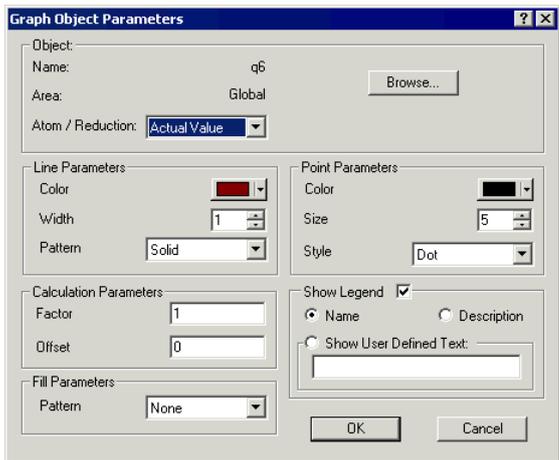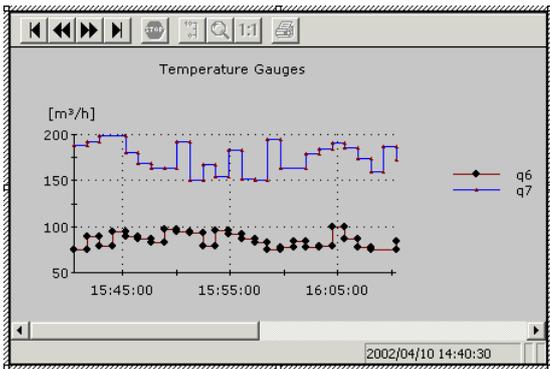
Purpose	This exercise demonstrates how you can use the new graph type to create traditional time plots.

Duration	Max. 20 min.

Task 1: Create a time plot	In this first task we will embed a graph showing the process values from the two flow gauges, **q1** and **q2**.

Step	Action
1	Create a new diagram and name it `Graphs` and choose a color for the background. Remember to enable the **Name to menu** option.
2	If the **Drawing** toolbar is not shown already, choose **Drawing toolbar** in the **View** menu.
3	Click the new graph icon in the **Drawing** toolbar and point at the middle of the **Graph** diagram. When you click on the diagram, an empty graph is inserted.
4	Double-click inside the empty graph to bring up the **Graph Properties** dialogue.
5	Click the **Add** button to add the first object to the graph.
6	In the **Graph Object Parameters** dialogue, click the **Browse** button.
7	Find and select the object **q1** and click **Open / Select**.

8	Do the following:
	• Under **Line Parameters** select a brown color
	• Under **Point Parameters** change the **Size** to "5" and the **Style** to **Dot**.
	• Select the **Show Legend** check box and click **OK**.
9	Repeat steps 4 – 7 for the object **q2** and choose a new line color and point style.
10	Click the **General** tab.
	Under **Graph Title** type "**Flow Gauges**" and click **OK**. The new graph appears showing random values for the included objects.
11	Install the configuration.
12	Start the configuration.
13	Go to the **Graphs** diagram and check that the graph looks as expected.

14	Place the red marker above the incoming process values and notice that you can see the values in a small tooltip.

YOU HAVE SUCCESSFULLY COMPLETED THE EXERCISE !!