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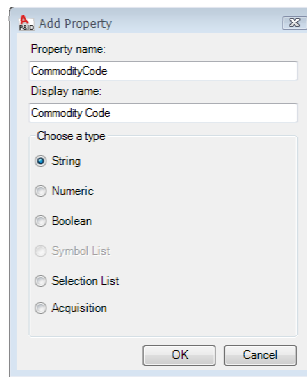
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AutoCAD P&ID 2010 – Creating a multi-line valve tag

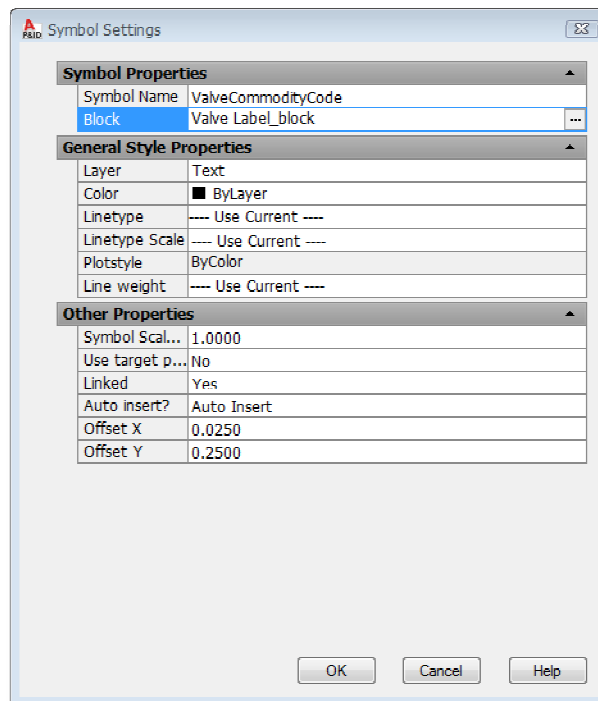
The standard “out-of-the-box” valve annotations in AutoCAD P&ID only include one line. To add a second line of information you can create a new data property (you could also use an existing property.) Then you create a new annotation containing the second line. Here’s how:

1. Open the Project Setup (Command: **projectsetup**)
2. Add a new property for the “Hand Valves” class

For this example I’ll use “CommodityCode”, setting the type as a “String” because it will contain both numbers and letters.

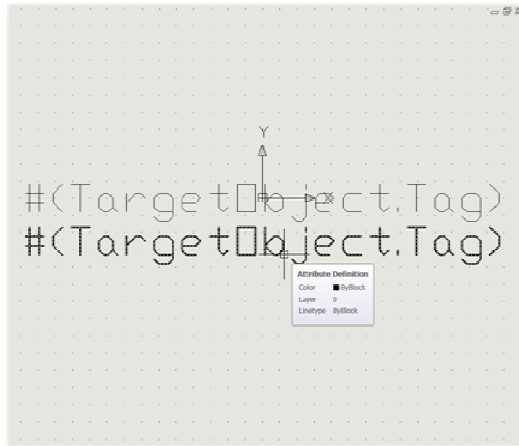



3. Next, click “Add Annotation.” Set the symbol name to “ValveCommodityCode” (leave the block name as the default for now) and click “OK”



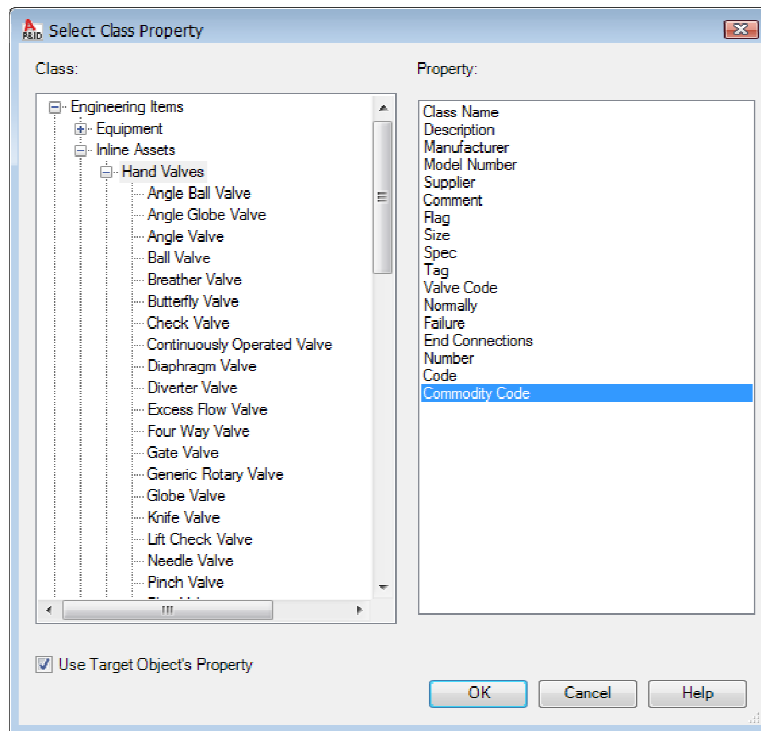
Note: If you click “Edit Annotation” you’ll notice the software has updated and now there is a new block name ready to be edited.

4. Now you are ready to add the second line of text, so click “Edit Block”
5. From the block editor you will add a second line. To do this, selecting the existing line, right click and select “copy selection”, click to set a point of displacement, and then click again in the location where you want the new line. I am adding this new line just below the first line.



6. Make sure the second line of text is selected and click the “Assign Annotation Format” button. 

7. Select the new property added to the Hand Valves class. In this case “Commodity Code”



8. Click "Save Block" and then close the block editor.
9. Your Project Setup should look something like this:

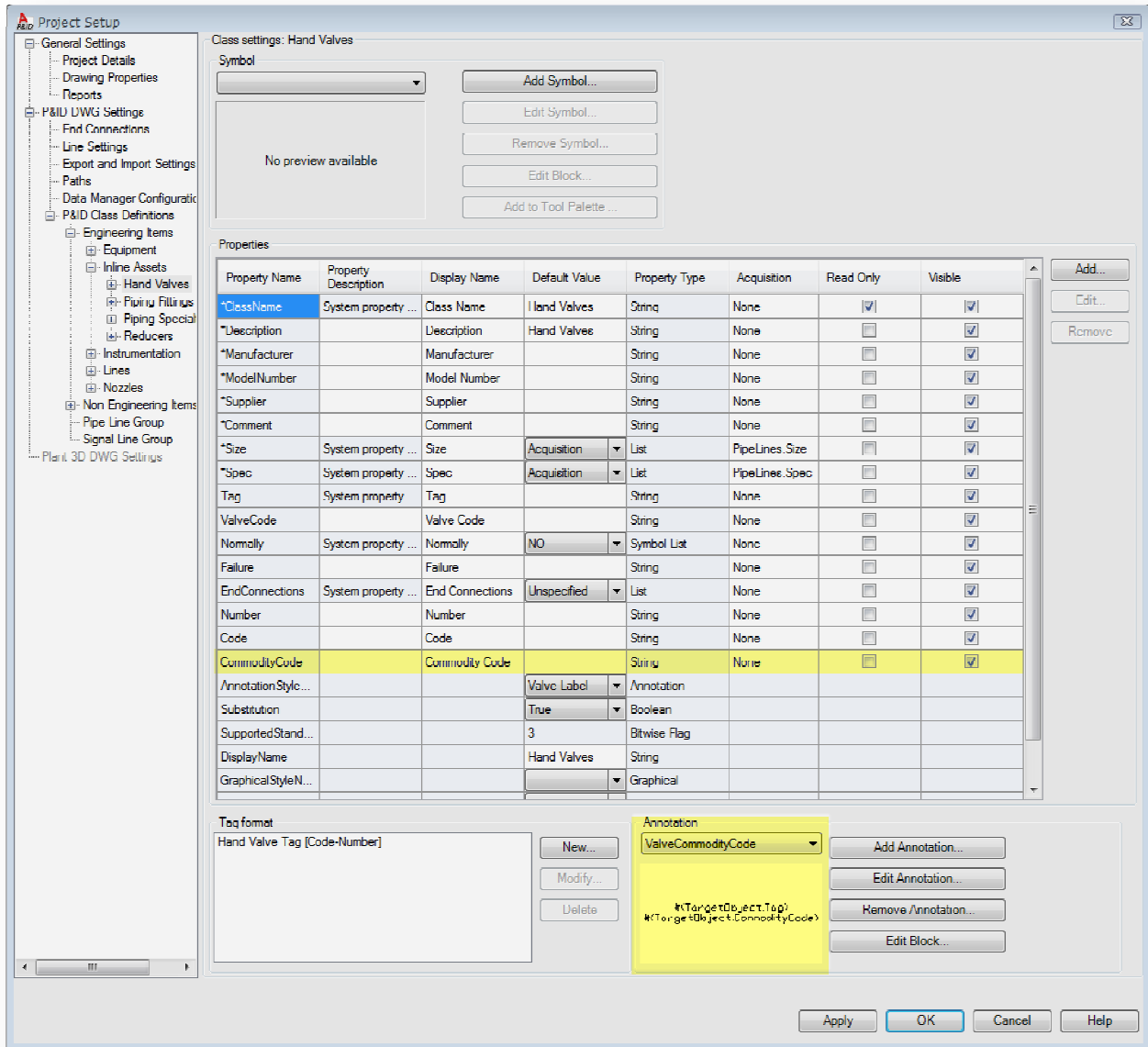


Figure 1 - Notice the new Commodity Code property and the new annotation.

10. Click "Apply", then click "OK" to save changes.

Here is an example of the new multi-line valve label:

Properties

ACPPASSET

General

Color	■ ByLayer
Layer	Mechanical
Linetype	—— ByBlock
Linetype scale	1.00
Plot style	ByColor
Lineweight	—— ByLayer
Hyperlink	

Geometry

Position X	3.38
Position Y	14.00
Position Z	0.00
Scale X	0.25
Scale Y	0.25
Scale Z	0.25

Misc

Symbol Name	PIP_GATE_VALVE
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P&ID

Class	Gate Valve
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Tag

Tag	HV-101
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Styles

Graphical style	Gate Valve Style
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General

Description	Gate Valve
Manufacturer	
Model Number	
Supplier	
Comment	
⚡ Size	3/4"
⚡ Spec	CS150
Valve Code	
Normally	NO
Failure	
End Connections	Unspecified
Number	101
Code	HV
Commodity Code	100C54

The P&ID diagram shows a valve symbol with a blue square handle, labeled with "3/4\"", "HV-101", and "100C54". A coordinate system is shown at the bottom left with a blue square at the origin, a vertical arrow pointing up labeled "Y", and a horizontal arrow pointing right labeled "X".