Adding an Actuator to inline valves from Element Info

**Document Type:** TechNote

**Product(s):** OpenPlant PowerPID

**Version(s):** Selectseries 4+

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# Description

To add an actuator to a valve after placement, the OpenPlant\_PID.01.02.ecschema.xml must be modified.

## OpenPlant\_PID.01.02.ecschema.xml

Two modifications must be made. Add the “CONTROL\_VALVE\_CLASS\_LIST” custom attribute and add the new class with actuators.

**Modification to VALVE class**

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### XML

 <ECClass typeName="VALVE" description="a fluid regulator that can be used to control (i.e. permit, obstruct, regulate or divert) a fluid stream." displayLabel="Valve" isDomainClass="True"> <ECCustomAttributes>

 <CONTROL\_VALVE\_CLASS\_LISTS xmlns="pid.01.01">

 <BODY\_LIST\_NAME></BODY\_LIST\_NAME>

 <ACTUATOR\_LIST\_NAME>INLINE\_VALVE\_ACTUATOR\_LIST</ACTUATOR\_LIST\_NAME>

 </CONTROL\_VALVE\_CLASS\_LISTS>

 </ECCustomAttributes>

 </ECClass>

**Addition of new actuator class**

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### XML

 <ECClass typeName="INLINE\_VALVE\_ACTUATOR\_LIST" displayLabel="Inline valve actuator list" isDomainClass="True">

 <ECCustomAttributes>

 <CLASSNAME\_DISPLAY\_LIST xmlns="bmf.01.01">

 <ITEMS>

 <CLASSNAME\_DISPLAY\_STRUCT>

 <DISPLAY\_NAME>None</DISPLAY\_NAME>

 <CLASS\_NAME>ACTUATOR</CLASS\_NAME>

 </CLASSNAME\_DISPLAY\_STRUCT>

 <CLASSNAME\_DISPLAY\_STRUCT>

 <DISPLAY\_NAME>Cylinder Operator</DISPLAY\_NAME>

 <CLASS\_NAME>ACT\_CYLINDER\_OPERATOR</CLASS\_NAME>

 </CLASSNAME\_DISPLAY\_STRUCT>

 <CLASSNAME\_DISPLAY\_STRUCT>

 <DISPLAY\_NAME>Handwheel</DISPLAY\_NAME>

 <CLASS\_NAME>ACT\_HANDWHEEL</CLASS\_NAME>

 </CLASSNAME\_DISPLAY\_STRUCT>

 </ITEMS>

 </CLASSNAME\_DISPLAY\_LIST>

 </ECCustomAttributes>

 </ECClass>

# PowerPID Element Info selection

1. Place pipeline
2. Place valve in pipeline
3. Select valve
4. Go to element info
5. Go to General Info category and select “Actuator Display Label”

