

## sTEem-at-Work Puzzle #49: Valve selection documentation

An inline valve for a pipe that pours acid into water in a small open top tank has to be selected and installed. The chemical process technician knows that the process of mixing acid and water raises the temperature of the solution. The tech also knows that even though, from a safety perspective, the acid is always added to the water to minimize splashing, the acid should pour into the tank slowly when the valve is initially opened. Finally, the technician also appreciates that different valve types are for different applications and in this case there are three possible valve types that could be selected. After studying the expected performance curves below for the three valve candidates, the technician picks a valve, reviews the selection with the controls engineer, and then proceed to install that valve.

The Tech installed Valve PF-137. Yes or NO. Submit your answers below the blog, or on [www.fl-ate.org](http://www.fl-ate.org)

