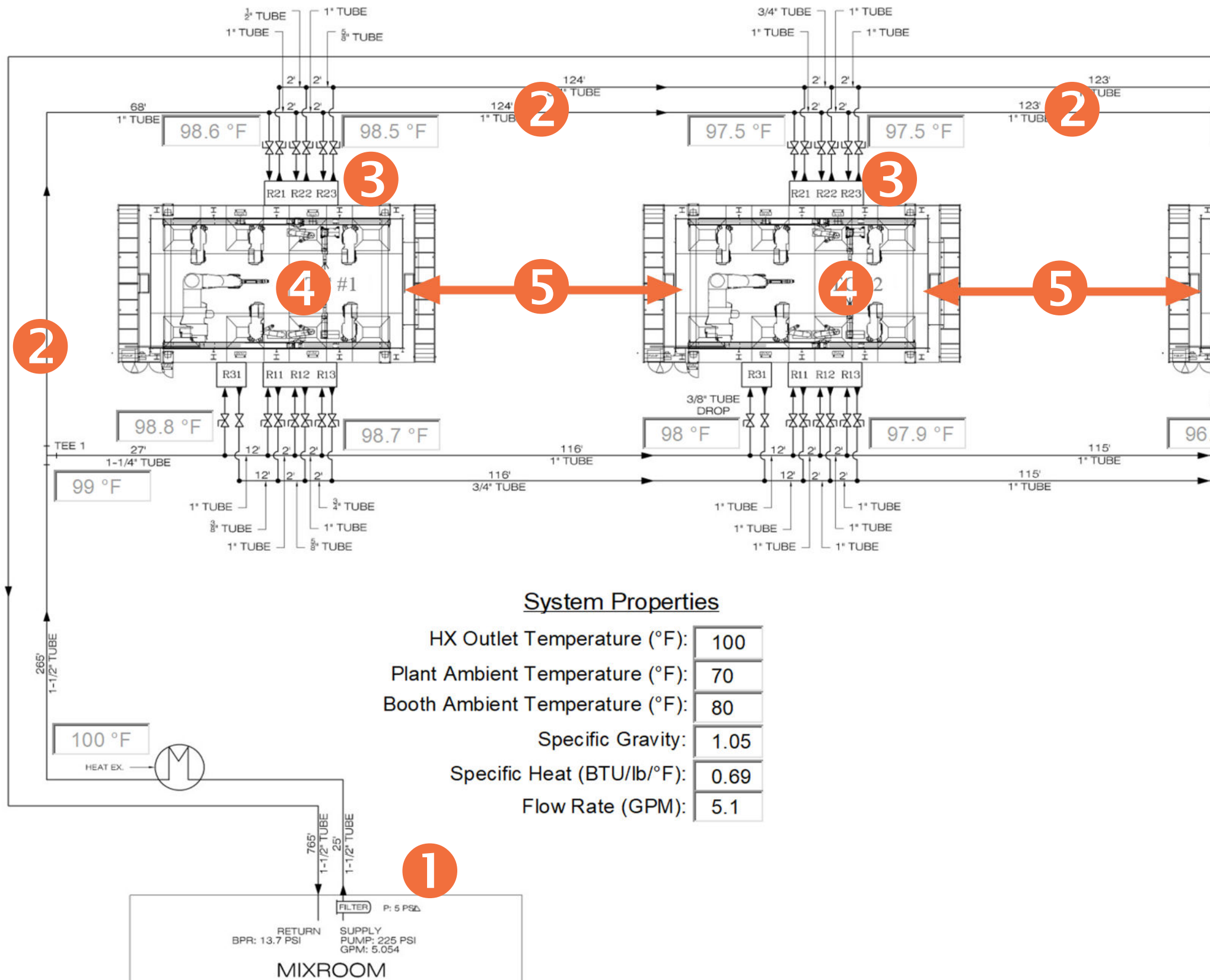


# Is Controlling Plant Temperature Enough for My Dispensing Application?



## Material Varies With a Stable Plant Temperature

- 1 Pumps induce shear and transfer heat into the material.
- 2 Lines can run in the ceiling, often warmer than standard plant temperatures.
- 3 Material passes through a regulator, reducer, etc., producing heat from friction.
- 4 Booth temperature is often different than the plant, imparting additional change.
- 5 Different materials dispense optimally at different temperatures.

### System Properties

HX Outlet Temperature (°F):	100
Plant Ambient Temperature (°F):	70
Booth Ambient Temperature (°F):	80
Specific Gravity:	1.05
Specific Heat (BTU/lb/°F):	0.69
Flow Rate (GPM):	5.1