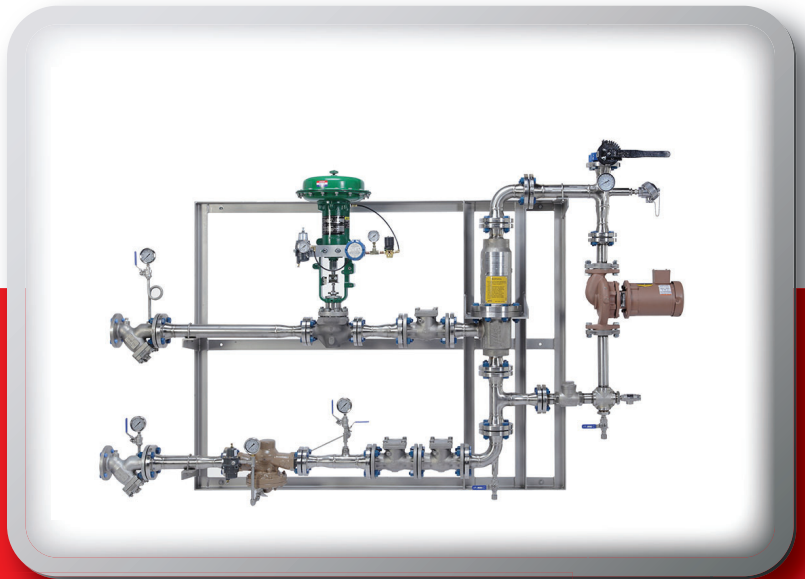




**Process Heating Solutions Worldwide**

## **Steam Injection Liquid Heating System**



### **Variable Flow Heater - Ideally Suited For Hose Station Service**

#### **Benefits**

- Safe- No operator adjustments at use point.
- Precise, accurate temperature control- automatically maintains preset temperature within 3°F regardless of changes in steam or water pressure, water flow or incoming water temperature.
- Wide turndown- stable operation during both peak demand or low loads.
- Low liquid pressure drop
- Central heating system- less costly than individual units
- Energy Efficient- 100% heat transfer

#### **Features**

- Ideal for feeding high pressure boost pumps
- Standard Temperature Override Package ensures safety at point of use.
- Complete instrumentation available
- Over 70 years of experience in design, installation and service of steam injection heating systems

#### **If your plant requires multiple hose stations...**

The Pick Variable Flow Heater provides a central heating system requiring only one hot water line for multiple use points. Mixing tees require both a cold water line and a steam line to each station, which means additional costs for equipment and installation.

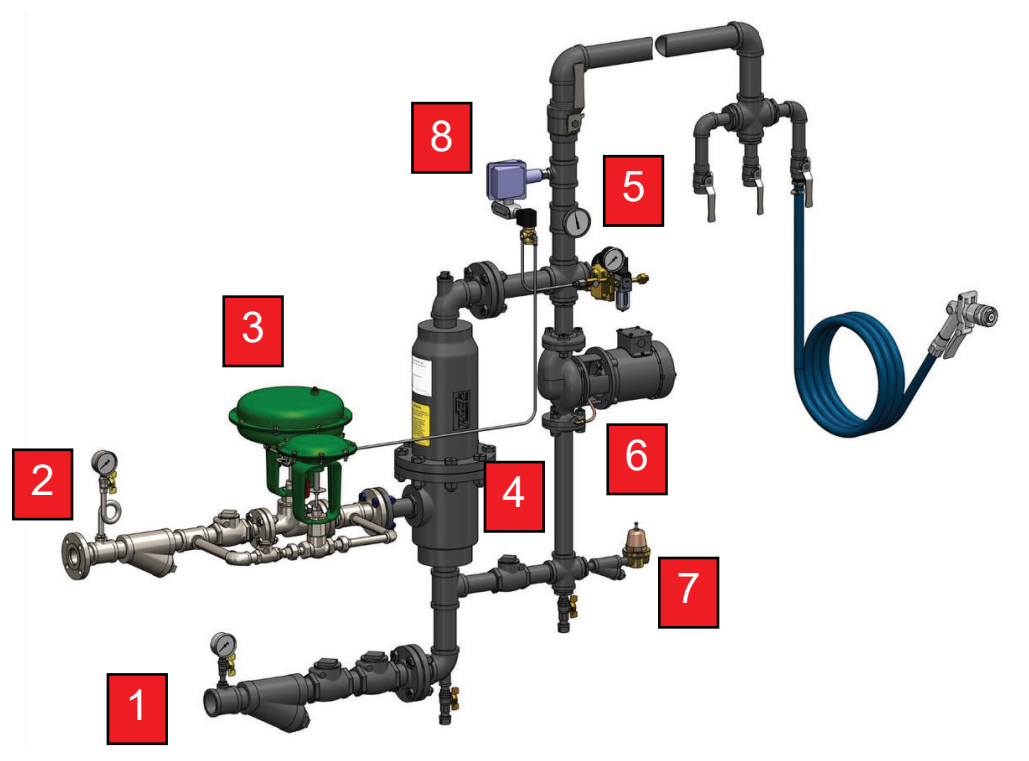
**No operator adjustments at point of use eliminates the risk and cost of overheating or inefficient underheating.**

**Learn more at [www.pickheaters.com](http://www.pickheaters.com)**

Pick Heaters, Inc. — 730 S. Indiana Ave. — West Bend, WI 53095 USA  
Phone: (262) 338-1191 — Email: [info1@pickheaters.com](mailto:info1@pickheaters.com)

# Pick Variable Flow Heating System Components

- 1** Water Inlet
- 2** Steam Inlet
- 3** Modulating steam control valve precisely controls steam flow based on outlet temperature. Dual control valve option allows wider range of operation (turndown exceeding 10:1)
- 4** Pick Heater
- 5** Pneumatic temperature controller, immediately downstream of heater, responds quickly to changes in water flow rate to maintain preset temperature.
- 6** Pump circulates water within the system to promote thorough mixing and allow stable operation under variable conditions.
- 7** Relief valve allows heater to maintain water at preset temperature during idle times.
- 8** Temperature override package prevents discharge of overheated water (includes automatic temperature switch and air solenoid valve).



## Say “Yes” to Pick Heaters

	Pick Heaters	Mixing Tees
Automatic Temperature Control	Yes	No
No Steam with Loss of Water	Yes	Yes
Responds Automatically to Varying Pressure	Yes	No
100% Heat Transfer Efficient	Yes	Yes
Can Be Used On Water Pressure Less than 50 PSI	Yes	Varies By Manufacturer
Eliminates Need for Operator Adjustments	Yes	No

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