

Central Hot Water System for Plant Hose Station Service

Features and Benefits:

- ◆ *Safe - No Operator Adjustment at Use Points*
- ◆ *Instantaneous Hot Water Demand*
- ◆ *Accurate Temperature Control*
- ◆ *Unmatched Turndown Capability*
- ◆ *Steam Piping to Each Hose Station Eliminated*



Food Processing Industry Case History

Application:

Large Cheese Processor wanted a central hot water system capable of supplying all the hose stations located on three floors of his plant. The system had to handle a wide range of demand, responding to both periodic use as well as third-shift clean up. Accurate temperature control was critical for effective and safe plant wash down. The heater had to be located in an isolated area eliminating the opportunity for unauthorized tampering with temperature set point.

Process Conditions:

Water Flow Rate	15-460 GPM
Hose Stations	1-30
Inlet temperature	50°F
Discharge temperature	135°F
Water pressure	60 PSIG
Steam pressure	140 PSIG
Steam flow required	550-16,810 lbs./hr
Steam Flow	830-2,054 lbs/hr

Solution:

Pick Model 6X200 Variable Flow Heater, including dual steam control valves for superior turndown capability. System was frame mounted on 304SS frame providing easy installation within a limited floor space. All steam piping leading to individual hose station drops was eliminated.