

Process Heating Solutions Worldwide



Heat/Cool System

PCD- The Division of Pick Heaters, Inc. Dedicated to Providing Process Heating Solutions in Innovative Ways

Application

A pharmaceutical company required a system to provide process heating or cooling in the pilot lab. Brine was selected as the heat transfer media, thus ruling out the use of steam injection.

Customer wanted a drop in place skid- not a "box of parts" as offered by other vendors.

Process Conditions

Brine Circulation:	40 GPM
Duty:	500,000 BTU/hr
Steam supply:	30 PSIG, Saturated
Chilled Water Supply:	20 PSIG

Solution

Pick designed a packaged system utilizing two (2) shell and tube heat exchangers in series. An automated 3-way divert valve was used to select between heating and cooling modes. System included steam and chilled water control valves with associated piping/fittings plus instrumentation to interface with customer's DCS.

Features and Benefits:

- **Central System Circulates Brine Through Multiple Heat Exchange Devices in Pilot Lab**
- **System Easily Switches From Heating to Cooling Mode**

Learn more at www.pickheaters.com

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