

Pre-Packaged Heating System

Chemical & Pharmaceutical Industry Case History

Features and Benefits:

- ◆ Accurate Temperature Control
- ◆ Fully Automatic Operation
- ◆ Compact Design
- ◆ Smooth Transition from Heat to Cool

Application:

Heat & cool 4,000 gallon Pfaudler® glass lined jacketed vessel. Lubricant type product is heated to 310°F using 316°F water. Exothermic process was maintained at 325°F for 3.5 hours then cooled to 210°F.

Solution:

Pick Model 6X50-3/12HCAC all 316 SS.

The Pressurized water loop at 80 psig allows 316°F water temperature, permitting a smooth transition from heating to cooling.

Accurate temperature control prevents damage to glass lining (+/- 1/2° accuracy).

Heat/Cool system was packaged complete with After Cooler (Pick mixing chamber) for tempering of discharge cooling water (up to 320°F), blended to 150°F for return to cooling tower.

