



Process Heating Solutions Worldwide

Chemical & Pharmaceutical Processing Industry Case History



Bio-Kill System

Application

The R&D division of a major pharmaceutical plant needed a fully automatic system to deactivate cell culture bio waste collected from reactors, tanks, sinks and condensate. This waste is to be “killed” at 140°C for a duration of 3 minutes and then cooled to 60°C prior to dumping to drain. The entire system had to be compact enough to fit in the back corner of the lab.

Process Conditions

Liquid Flow: 2.8-4 GPM
Temperature Rise: 125°C (225°F)
Discharge Temp: 145°C (293°F)
Steam Pressure: 125 PSIG
Liquid Pressure: 60 PSIG
Steam Flow: 271-387 lb/hr

Solution

A **Pick Model 6X7-3** with all 316 SS wetted parts, 1” liquid piping and 50 Ft. of 2 ½ Hold Tube.

Features and Benefits:

- Accurate Temperature Control
- Fully Automatic Operation
- Compact Design
- Optional Sanitary Construction

Learn more at www.pickheaters.com

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