

Bio-Kill System

Features and Benefits:

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

Chemical & Pharmaceutical Industry Case History

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:

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

Solution:

Pick Model 6X7-3
All 316 SS Wetted Parts
1" Liquid Piping
50 Ft. of 2 ½ Hold Tube

