

Sterilisation in place (SIP) skids



Turnkey Facility Solutions
From Conceptual Designs to Commissioning & Validation.

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Engineering a Healthier Life

Design & Engineering Considerations incorporated for Optimised Sterilisation In Place include:

- High quality components
- Customised sterile designs
- High purity sterile surface
- 100% drainable
- Free from dead leg areas
- Plug and play
- Instrumentation, Monitoring and Validation of SIP process
- Fabrication to FDA define cGMP regulations and ASME BPE standards



Control Logic:

- The subjected vessels are connected to the SIP system for performance of SIP
- A temperature sensor is provided to control the valve on the clean steam line based on the Vessel SIP temperature
- One Temperature sensor is provided on the condensate drain line
- The condensate drain line temperature is controlled by the SIP Temperature Controller
- The output of this control loop activates the clean steam supply valve and opens the condensate drain valve
- Once a set temperature is reached, a timer is initiated by the control loop
- This variable timer allows for the time duration to be set during which the control function maintains the temperature
- During this period if the temperature falls below the set temperature, then the control loop will open the clean steam valve until the set temperature is reached. The timer will stop running and hold the last value and will resume when the set temperature is reached
- After the set timer is reached an audio alarm sounds
- The control panel is provided with a strip chart recorder / paperless recorder for recording these two temperatures.

