

We are '*Professionals in Process/ Product Technologies*' with following expertise-

- **Conceptualization and Engineering of Projects**
- **Module and skid building**
- **Custom-built solutions**
- **Innovative hygiene Products for Pharma/ Dairy Industry**
- **Expertise in Pharma, Food, Natural resource based projects**
- **Business partners of world class products from Europe and USA**

**Our Offerings-**

- **Bio-Reactors And Fermenters**
- **Bio - Waste Decontamination Systems / Sterilization Systems / Inactivation Systems**
- **PWDS, WFIDS, CSDS Systems**
- **CIP Plants**
- **Pharmaceutical Machinery and Bio-pharma Custom Built Modules**
- **Mixing And Blending Vessels**
- **Dairy/Starch Projects**
- **Drying And Evaporation Projects**
- **Biorefineries**
- **Piping Engineering**
- **Plug-in Temperature / Brix / pH / Pressure/ Flow Control Modules**
- **Electrical And Automation Engineering**
- **Flow Control Equipment**
- **All Types Of Valves And Valve Automation**

### Description

SANITEK is a high quality shell and tube heat exchangers especially designed and developed to meet the specific demands of heating and cooling of the pharmaceutical and biotech industries with respect to sterility and hygiene.

### Application

SANITEK can be used as reflux cooler, condenser, heater, sample cooler in fermentation, DM purified water/ WFI plants, and clean steam sampling. SANITEK is available in all ranges starting from 0.1m<sup>2</sup> to 1.0m<sup>2</sup>.

### Features

- Designed according to FDA and cGMP norms.
- All product contact parts are in SS-316L and are electropolished to avoid microbial growth and risk of contamination.
- SANITEK is completely sterilizable for high hygienic demands.
- No internal weld joints
- No dead legs / spots in the tubes
- Easy to install (Vertical / Horizontal)
- Easy to clean and drain
- Completely drainable
- Electropolished internal finish Ra < 0.5 Sealing Pharma / food grade 'O' ring

## Technical Specifications

NO.	DESCRIPTION	SPECIFICATIONS
1	Design code	ASME SEC-VIII DIV-Z
2	Design pressure	4.0 kg/cm <sup>2</sup> (g)
3	Design temperature	150 °C.
4	MOC of tubes	SS-316L, seamless, E/P
5	MOC of shell	SS-304, outside polished
6	MOC of gaskets and 'O' rings	EPDM / silicon (food grade)
7	End connectors	Triclover ends / SMS / union / flanged



## FOR MORE DETAILS CONTACT

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