



DTS-HE Heat Exchanger Rev.1.doc Page 1 of 1

Heat Exchanger DTS-HE

DTS-HE Sanitary Heat Exchanger

DTS-HE line is a high-quality shell & tube heat exchangers with Double Tube Sheet (DTS) designed to meet the criteria of the pharmaceutical industry, the DTS design infact exclude the possibility of cross contamination between the product and the cooling/heating media. Each exchanger is designed with an our exclusive and purpose-designed software for each project based on data supplied by the client and may be single pass or multi passes.

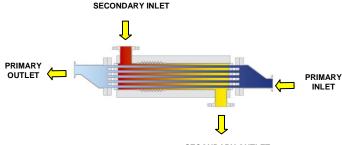
The number of passes (tube side) is etablished according to the speed and pressure drop and may vary from 1 up to 8 by changing the number of outward and inward chambers.

Typical applications:

- Point of use instantaneous cooling/heating
- In-line recirculation cooling/heating

Feature offered by the unit include:

- Double Tube Sheet (DTS)
- Full material traceability
- Self draining design
- Flexible design



SECONDARY OUTLET

Design and working principles:

The product media flows through a bundle of tube. The service media flows channelled inside the shell in cross flow in order to ensure maximum efficiency. At each end the tubes are fastened by two tube sheets acting as leakage indicators and prevent cross contamination between the product and the service media.

A bellow welded into the shell takes up any thermal fatigue caused by large temperature changes.

The unit shall be supplied with or without thermal insulation.

For an easy installation, lifting and mounting device are welded on the unit.

Technical data:

Heat transfer area <10m2 Max temperature 200°C Max pressure 10 barg Materials AISI 316L TFM 1600 PTFE Gaskets Connections tube side clamp BS 4825 flanged UNI shell side

PED directive 97/23/CE Pressure Vessels code

Surface finish:

product contact surface are finish with Ra<0,5 micron or better





Get the information you need and more at : info@aerreinox.it

In the interests of development and improvement of the product, we reserve the right to change the specifications without prior notice.