



## Shell and tube heat exchanger panel

EQ326

### Function

Intended for the study of: Heat transfer. Determining the logarithmic mean of temperature differences in a heat exchanger. What is meant by heat exchanger. Main types of heat exchangers. The double tube type heat exchanger. The shell and tube type heat exchanger. The plate-type heat exchanger. This heat exchanger is shell and tube type. Classification of this heat exchanger by flow arrangement. Parallel operation (co-current) and reverse operation (counter-current). Hot and cold fluid temperatures along the length of the actual shell-and-tube heat exchanger. The log mean of temperature differences (MLDT) in a real heat exchanger. The terminal temperatures in the shell and tube heat exchanger operating with reverse flow (countercurrent). How to operate shell and tube heat exchanger, etc.

Note: This heat exchanger is shell and tube type.

### Knowledge areas

Physics

### Level

Graduation - Technical education

Av. Victor Barreto, 592 - CEP 92010-000 - Canoas - RS - Brasil