

# Concentric tube heat exchanger series SC

## EQUIPMENT TYPE

The concentric tube heat exchanger (also called tube-in-tube exchangers) series, SC are used for thermal recovery in industrial plants, or energy production.

## APPLICATION

SC series heat exchangers are much employed in various stages of production of biogas digestate drying, heating and cooling, thermal recovery of excess heat, etc..

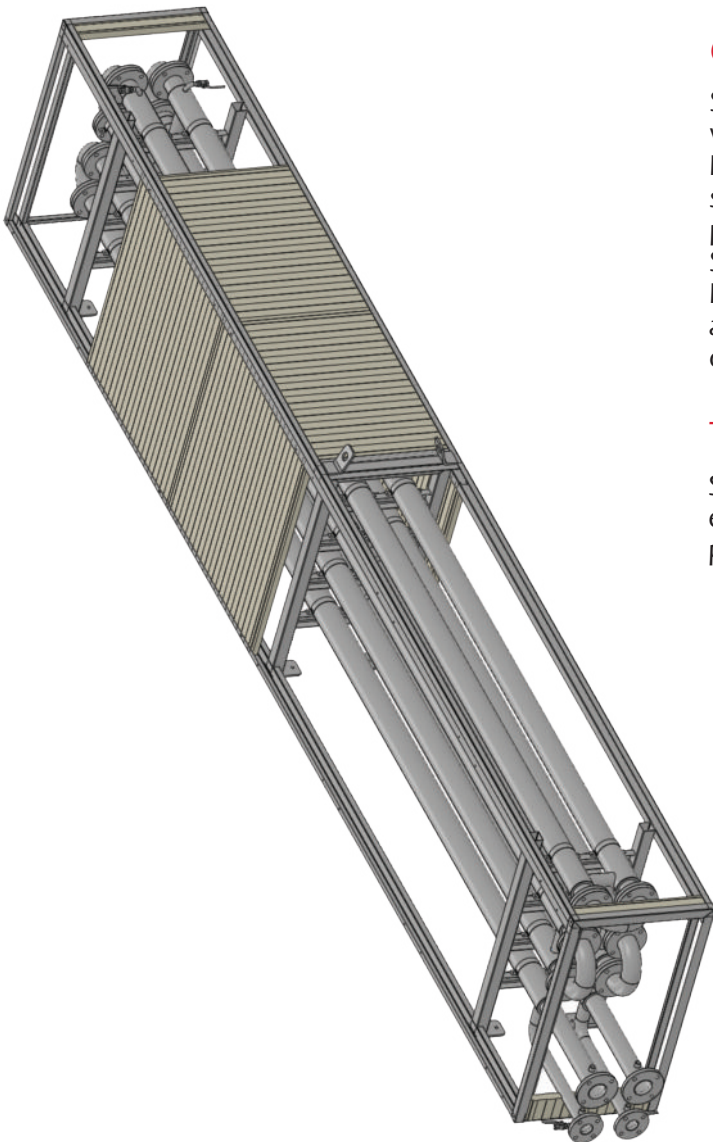
## OPERATING PRINCIPLE

SC series heat exchangers consist of 2 concentric pipes where they pass two fluids at different temperatures. Their heat exchange surface consists of the internal pipe wall separating the two fluids, while the outer pipe wall is protected by an insulating material.

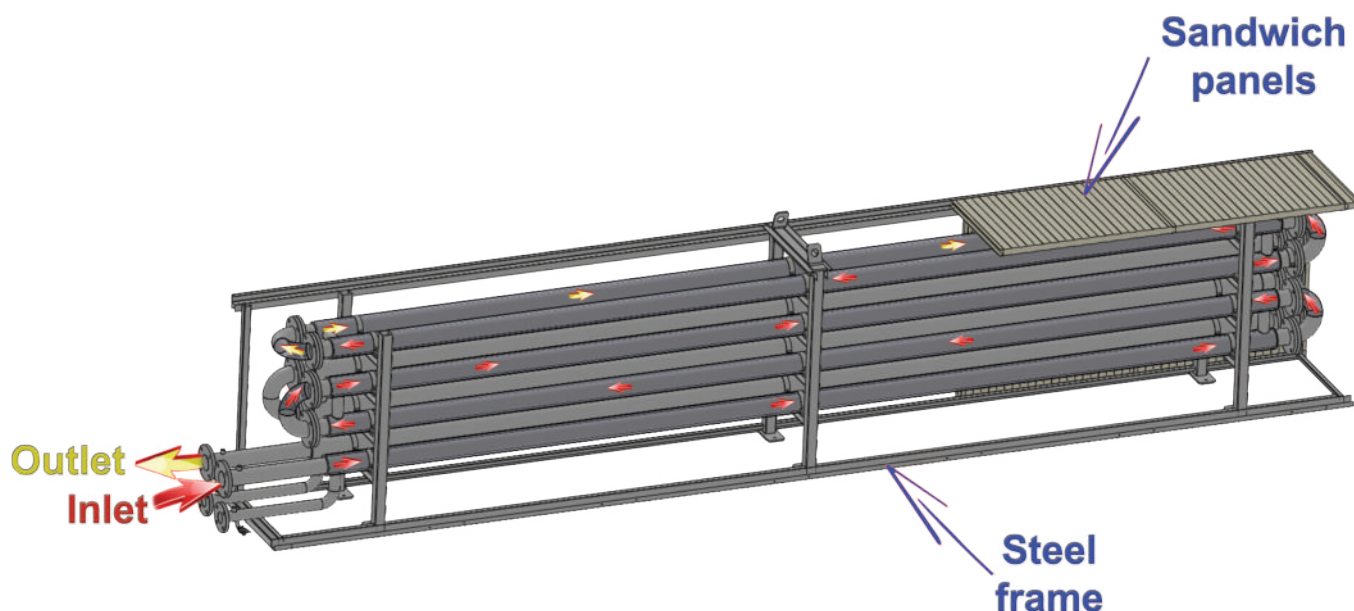
SC series heat exchangers are divided further into coolers in Reverse when the two fluids have the same scrolling down, and countercurrent exchangers when the two liquids have opposite direction.

## THE MAIN ADVANTAGES

SC series heat exchangers enable the recovery of thermal energy and rationalization of energy cost in all industrial processes.



# Concentric tube heat exchanger serie SC



Flow mc/h	From : 50	To : 5.000
Dimensions	Manufactured according to the customer's specific needs.	
Covering	Sandwich panels depending on the required specifications	

## CONSTRUCTION

- Stainless steel pipes AISI 304
- Supporting structure in AISI 304
- Insulation of the outer tube
- Insulation with a box of whole structure

## OPTIONAL

- Stainless steel pipes AISI 316
- Supporting structure in AISI 316