

# ParaTube<sup>®</sup> Double Tube Tubular Heat Exchangers - Disassemblable Design

## FOR SANITARY APPLICATIONS

Double tube heat exchangers consist of two concentrically positioned tubes.

In this disassemblable design, there are o-rings on both sides and the inner tube can be removed from the outer tube.

This design is suitable for heating, cooling, pasteurising and Ultra High Temperature (UHT) processing of a large range of products (dairy, juices, sauces, beverages, processed food, etc.) from low to medium viscosities depending on application.

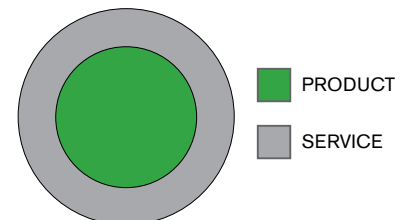
Double tube heat exchangers are the best option for products with low to medium viscosities containing particles. Particles increase turbulence in the inner tube, improving heat transfer.

The construction of the double tube design allows for a wide range of inner tube outer diameters making it capable of processing small to medium flow rates.



### MAIN FEATURES

- Thermal expansion devices are not required. This double tube design has free expansion.
- Product side can be inspected by removing bends between modules.
- Flexible arrangement - modules are connected on product side using bends and on service side by orthogonal connections.
- Inner tube can be removed from outer tube.



## STANDARD MATERIALS

AISI 316 (1.4401) /316L (1.4404)

Others available on request

## STANDARD FINISH

**PRODUCT SIDE:** 2B finish/polished

**SERVICE SIDE:** Grinded

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## WORKING CONDITIONS

**DESIGN TEMPERATURE:** up to 338°F (170°C)

**DESIGN PRESSURE:**

**PRODUCT SIDE:** 435 psi (30 bar)

**SERVICE SIDE:** 174 psi (12 bar)

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## CONNECTIONS

### PRODUCT SIDE

Clamp fittings are supplied as standard.

### SERVICE SIDE

Clamp fittings are supplied as standard

Other options are available on some models on request.

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## NOMENCLATURE

**SDT-1-2-LM** – Standard Double Tube Type Disassemblable Design

1: Outer tube outer diameter (mm)

2: Inner tube outer diameter (mm)

L: Tubes length (m)

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## PRODUCT RANGE

### OUTER TUBE outer diameters

From 2 in to 6 in (57mm to 154mm)

### INNER TUBES outer diameters

From 1 in to 4 in (25mm to 104mm)

### TUBES LENGTH

Standard supply: 3 m - 6 m (10 ft - 20 ft) - Other lengths available on request.

### CORRUGATION

All models can be supplied with corrugated or smooth tubes.

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## CERTIFICATIONS

In compliance with European Pressure Equipment Directive 2014/68/EU.

OTHER CERTIFICATES available on request.

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