

ParaTube[®] Double Tube Tubular Heat Exchangers - Welded Design

FOR SANITARY APPLICATIONS

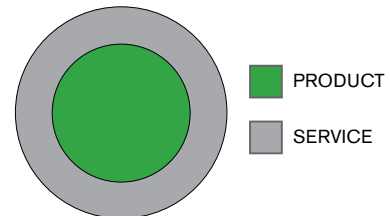
Double tube heat exchangers consist of two concentrically positioned tubes.

The inner tube is welded to the outer tubes using caps.

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. The double tube welded design has an unrestricted product flow path down the inner tube allowing particles to maintain integrity. Particles increase turbulence on the inner tube, improving heat transfer.

The construction of the double tube welded 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 bellows to absorb difference of expansion.



The product side can be inspected by removing the bends between modules.



Flexible arrangement. Modules are connected on product side by means of bends and on service side by means of fittings.



Maintenance made easy, only change gaskets on connections.

STANDARD MATERIALS

AISI 316 (1.4401) /316L (1.4404)

AISI 304 (1.4301) /304L (1.4306)

Others (AISI 316Ti, DUPLEX) available on request

STANDARD FINISH

PRODUCT SIDE: 2B finish/polished

SERVICE SIDE: Grinded

WORKING CONDITIONS

DESIGN TEMPERATURE: Up to 250°C (482°F)

DESIGN PRESSURE: Up to 75 bar (1087 psi)

CONNECTIONS

PRODUCT SIDE

Clamp fittings are supplied as standard.

Other available on request for some models.

SERVICE SIDE

Clamp fittings are supplied as standard.

Other available on request for some models.

NOMENCLATURE

CDT/W-1-2-LM - Corrugated **D**ouble **T**ube Type **W**elded Design

1: Inner tube outer diameter (mm)

2: Outer tube outer diameter (mm)

L: Tubes length (m)

PRODUCT RANGE

OUTER TUBE outer diameters

From 25mm to 219,1mm (1 in to 9 in)

Other available on request.

INNER TUBES outer diameters

From 13mm to 154mm (0.5 in to 6 in)

Other available on request.

TUBES LENGTH

Standard supply: 3 m - 6 m (10 ft - 20 ft)

Other available on request.

CORRUGATION

All models can be supplied with corrugated or smooth tubes.

CERTIFICATIONS

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

OTHER CERTIFICATES available on request.

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Design features, materials of construction, dimensional data and certifications as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region.

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