

# TRIPLETUBE FOR SANITARY VISCOUS PRODUCTS

Specially suitable for viscous products in sanitary process. Products can contain small particles.

The heat exchanger is formed by 3 or 4 concentric corrugated tubes (in the latter case the innermost tube is blank). Product flows in between 2 service channels so it's heated or cooled from the inside and outside. Just one product channel, so it's totally safe when products to process are low acid and viscous. Units are totally suitable for aseptic applications. Product side is completely and easily inspectionable.

#### **Design conditions**

- Temperature: min -40°C(40°F) / max +180°C (+356°F)
- Pressure: min full vaccuum/max 25 bar(365 Psi)
  Higher temperature and pressure ratings are available subject to a revision of component thicknesses and connection types.

#### Materials

Tubeside in AISI-316L and shell side in AISI-304 or AISI-316 (connections included). Other materials available on request (Duplex

stainless steels, Nickel alloy steels, titanium...).

Viscous and particulated XLG®T Tripletube is a single path unit for products of high viscosity and small particles

#### Connections

DIN/ISO and ASME BPE clamps. DIN11851, SMS and other threaded fittings. I-line and S-line connections.



Sanitary/Hygienic design XLG®T Tripletubes have been designed following the world's more strignent specifications held in the European Union and by he 3-A organisation from the USA.



**Modular & flexible design** All modules are usually 6m/20' and are interconnected by headers, so the system is easily expandable by adding more modules if flows and/or products are changed.



**Effective heat transfer** Corrugation enhances heat transfer allowing a faster and more efficient heat exchange. Moreover, high turbulent flow provokes a self cleaning effect that reduces fouling.



T Tripletube Technical Data Sheet



Model	Connections		Exchange	Volume	
	<b>Shell</b> DIN-ISO/A	Shell Tube DIN-ISO/ASME BPE		<b>Shellside</b> lt/Ga	<b>Tubeside</b> lt/Ga
T3-3/2/1.5	DN25/1″	DN25/1″	1.7/18.0	18.9/5.0	3.9/1.0
T3-3/2/1	DN25/1″	DN25/1″	1.4/15.5	15.4/4.1	7.7/2.0
T3-4/3/2.5	DN40/2″	DN40/2″	2.6/28.3	38.2/10.1	6.2/1.6
T3-4/3/2	DN40/2″	DN40/2"	2.4/25.8	31.5/8.3	13.5/3.6
T3-4/3/1.5	DN50/2 1/2"	DN50/2 1/2″	2.2/23.2	26.5/7.0	18.4/4.9
T4-5/4/3.5/2.5	DN65/3″	DN65/3″	3.6/39.1	39.6/10.5	10.8/2.9
T4-5/4/3/2	DN65/3″	DN65/3″	3.4/36.6	36.9/9.7	20.7/5.5
T4-5/4/2.5/1.5	DN80/3″	DN80/3″	3.2/34.0	34.2/9.0	29.1/7.7
T4-6/5/4.5/3.5	DN100/4"	DN100/4"	4.6/49.4	47.7/12.6	12.1/3.2
T4-6/5/4/3	DN100/4"	DN100/4"	4.4/47.3	44.4/11.7	22.7/6.0
T4-6/5/3.5/2.5	DN100/4"	DN100/4"	4.1/44.2	42.6/11.3	36.4/9.6

#### Notes:

(1) Dimensions shown on the drawing above are expressed in mm (milimeters).

(2) Heat exchange area, volumes and empty weight refer to 6m/20' long units.

(3) Standard heat exchangers length can be 6m/20', 3m/10' and 2m/6.56'. Others on request.

(4) XLG reserves the right to amend any of the above technical data without prior notice subject to project conditions.

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