XLG

XLG®S TUBE-IN-TUBE

OEMSales

200 East Big Beaver Road, Troy, MI 48083
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TUBE-IN-TUBE
CORRUGATED HEAT EXCHANGER

Tube-in-Tube corrugated heat exchangers are ideal for industrial, sanitary, CPI, Sludge heating/cooling and many other duties with high viscosity fluids with solids in suspension, fibers or slurries. The heat exchanger is formed by two concentric corrugated tubes. Product flows inside the most inner tube and the service fluid in the outer tube.

Corrugated tubes in different profiles are chosen to maximize heat transfer and thus minimize the size, reduce the amount of service fluid used and the time required to heat/cool the product.

The unit is fully welded, free of gaskets and includes bellows to absorb thermal expansion.

Design conditions

- Temperature: min -40°C(40ºF) / max +180°C (+356ºF)
- Pressure: min full vaccuum/max 10 bar(150 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, AISI-316 or carbon steel (connections included). Other materials available on request (Duplex stainless steels, AISI-321, titanium…).

Connections

- Industrial: EN1092-1 standard flanges rated PN10-16
- on tube and shell sides, or ANSI#150-300.
- Sanitary: clamps, I-line, S-line, DIN threaded.
- Others on request.

Industrial & Sanitary Applications

The best option for slurries and products with large particulates in suspension. Efficient and safe.

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ww.xlgthermal.com

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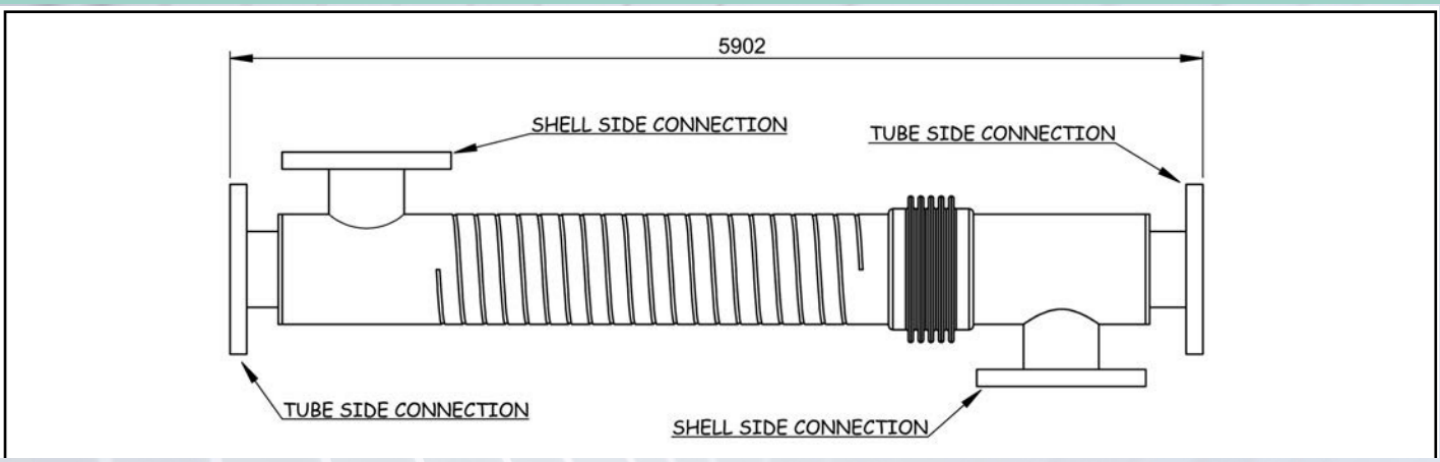
S TUBE-IN-TUBE
TECHNICAL DATA SHEET



Model(2)	Connections		Exchange Area
	Shell	Tubes	
	EN1092-1/ANSI150		m2/ft2
S-38/25	DN20/3/4”	DN20/3/4”	0.5/5.1
S-51/25	DN20/3/4”	DN20/3/4”	0.5/5.1
S-64/25	DN20/3/4”	DN20/3/4”	0.5/5.1
S-64/38	DN32/1 1/4”	DN32/1 1/4”	0.7/7.7
S-76/38	DN32/1 1/4”	DN32/1 1/4”	0.7/7.7
S-76/51	DN40/1 1/2”	DN40/1 1/2”	1.0/10.3
S-89/51	DN40/1 1/2”	DN40/1 1/2”	1.0/10.3
S-89/64	DN50/2”	DN50/2”	1.2/12.9
S-104/51	DN40/1 1/2”	DN40/1 1/2”	1.0/10.3
S-104/64	DN50/2”	DN50/2”	1.2/12.9
S-104/76	DN65/2 1/2”	DN65/2 1/2”	1.4/15.5
S-114/64	DN50/2”	DN50/2”	1.2/12.9
S-114/76	DN65/2 1/2”	DN65/2 1/2”	1.4/15.5
S-114/89	DN80/3”	DN80/3”	1.7/18.0
S-129/76	DN65/2 1/2”	DN65/2 1/2”	1.4/15.5
S-129/89	DN80/3”	DN80/3”	1.7/18.0
S-129/104	DN100/4”	DN100/4”	2.0/21.1
S-140/89	DN80/3”	DN80/3”	1.7/18.0
S-140/104	DN100/4”	DN100/4”	2.0/21.1
S-140/114	DN100/4”	DN100/4”	2.2/23.2
S-154/104	DN100/4”	DN100/4”	2.0/21.1
S-154/114	DN100/4”	DN100/4”	2.2/23.2
S-154/129	DN125/5”	DN125/5”	2.4/26.2

Model(2)	Connections		Exchange Area
	Shell	Tubes	
	EN1092-1/ANSI150		m2/ft2
S-168/104	DN100/4”	DN100/4”	2.0/21.1
S-168/114	DN100/4”	DN100/4”	2.2/23.2
S-168/129	DN125/5”	DN125/5”	2.4/26.2
S-204/129	DN125/5”	DN125/5”	2.4/26.2
S-204/140	DN125/5”	DN125/5”	2.6/28.3
S-204/154	DN125/5”	DN150/6”	2.9/31.2
S-219/140	DN125/5”	DN125/5”	2.6/28.3
S-219/154	DN150/6”	DN150/6”	2.9/31.2
S-219/168	DN150/6”	DN150/6”	3.2/34.1
S-254/154	DN150/6”	DN150/6”	2.9/31.2
S-254/168	DN150/6”	DN150/6”	3.2/34.1
S-254/204	DN200/8”	DN200/8”	3.8/41.4
S-273/168	DN150/6”	DN150/6”	3.2/34.1
S-273/204	DN150/6”	DN200/8”	3.8/41.4
S-273/219	DN150/6”	DN200/8”	4.1/44.5
S-304/168	DN150/6”	DN150/6”	3.2/34.1
S-304/204	DN150/6”	DN200/8”	3.8/41.4
S-304/219	DN150/6”	DN200/8”	4.1/44.5
S-324/204	DN200/8”	DN200/8”	3.8/41.4
S-324/219	DN200/8”	DN200/8”	4.1/44.5
S-324/254	DN200/8”	DN200/10”	4.8/51.5
S-354/219	DN200/8”	DN200/8”	4.1/44.5
S-354/254	DN250/10”	DN250/10”	4.8/51.5

Notes:
(1) Dimensions shown on the drawing above are expressed in mm (milimeters).
(2) The first number corresponds to the shell diameter in metric, and the second the inner tube diameter also in metric system.
(3) Standard heat exchanger length can be 6m/20’ and 3m/10’. 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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