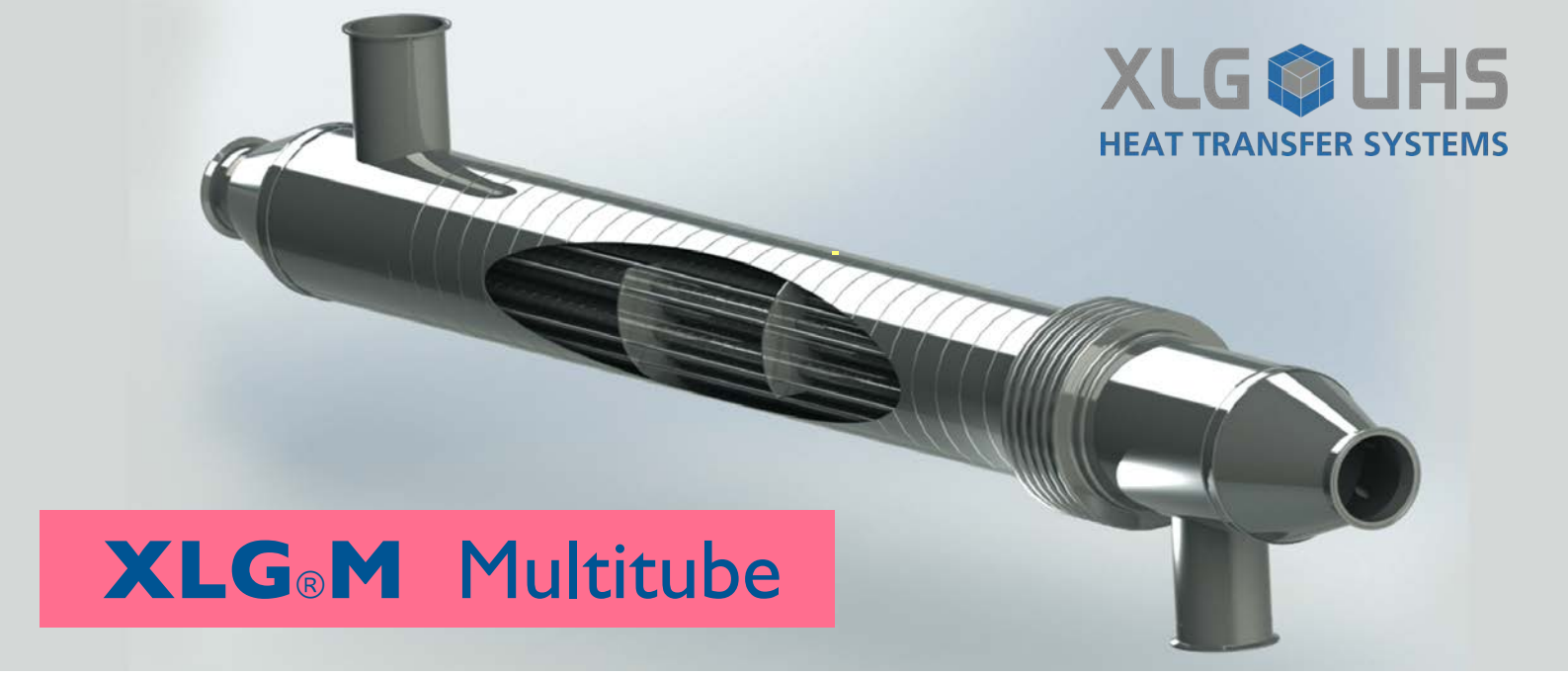


XLG UHS
HEAT TRANSFER SYSTEMS

XLG®M Multitube

MULTITUBE FOR SANITARY APPLICATIONS

Multitube for sanitary applications to process low to average viscosity fluids. Products may be clean or contain fibres and small suspended particulates.

The heat exchanger is formed by a tube bundle inside a shell. Product flows inside the tube bundle and the service media over the bundle.

Eccentric reducers and sloped units on the frame enable product self-draining. The unit is fully welded and lacks gaskets, and includes bellows to absorb thermal expansion.

Design conditions

- Temperature: min -40°C(40°F) / max +180°C (+356°F)
- 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 or AISI-316 (connections included).
Other materials available on request (Duplex stainless steels, nickle alloy steels, titanium...).

Hygienic/Sanitary Multitube
XLG®M Multitubes comply with the EU hygienic standards, and with the USA 3-A organisation.

Connections

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

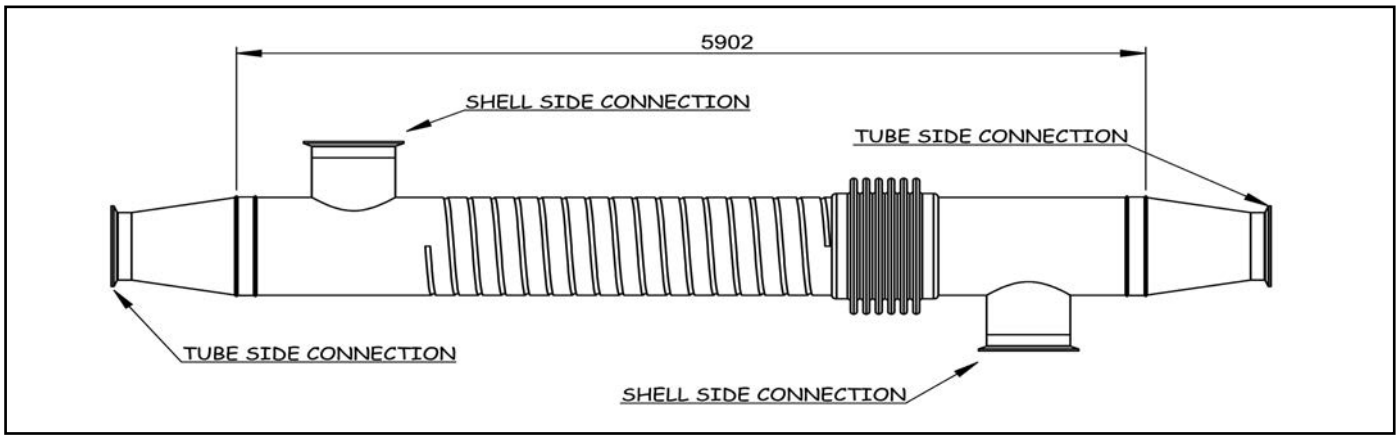
Juices and beverage
XLG Corrugated tube multitubes are an ideal choice to process juices and concentrates from fruits and vegetables. Very long runtimes and efficient heat treatment guaranteed.

More natural products
Corrugation enhances heat transfer allowing a faster and more efficient heat exchange. Thus natural products retain most of their properties since they're less time exposed to heat.

Sanitary/Hygienic design
XLG®M Multitubes are designed following the world's more strignent specifications held in the European Union and by the 3-A organisation from the USA.

XLG corrugated tube heat exchangers, the state-of-the-art in tubular heat exchange

M Multitube Sanitary Technical Data Sheet



Model	Connections		Exchange Area(2)		Volume(3)	
	Shell	Tubes	16 mm / 25 mm		Shellside	Tubeside
	DIN-ISO/ASME BPE		m2/ft2	m2/ft2	lt/Ga	lt/Ga
M-51	DN25/1"	DN20/1"	1.2/13.0	-/-	5.9/1.6	3.7/1.0
M-64	DN40/2"	DN25/1"	2.1/22.7	-/-	8.8/2.3	6.5/1.7
M-76	DN50/2 1/2"	DN40/2"	2.1/22.7	1.9/20.3	16.8/4.4	6.5/1.7
M-89	DN65/3"	DN50/2 1/2"	3.9/42.2	1.9/20.3	18.3/4.8	12.0/3.2
M-104	DN80/3"	DN65/3"	5.7/61.7	3.3/35.5	24.2/6.4	17.5/4.6
M-114	DN80/3"	DN65/3"	6.3/68.2	3.3/35.5	32.0/8.5	19.4/5.1
M-129	DN100/4 1/2"	DN80/3"	9.3/100.6	5.7/60.9	36.2/9.6	28.6/7.6
M-140	DN100/4"	DN80/3"	11.5/123.4	6.1/65.9	40.9/10.8	35.1/9.3
M-154	DN125/4"	DN100/4"	12.7/136.3	9.0/86.4	55.4/14.6	38.8/10.2
M-168	DN125/4"	DN100/4"	16.6/178.5	9.9/106.5	60.9/16.1	50.8/13.4
M-204	DN150/6"	DN125/4"	25.6/275.9	14.6/157.2	86.0/22.7	78.5/20.7
M-219	DN150/6"	DN125/4"	29.0/311.6	17.9/192.7	102.0/27.0	88.7/23.4
M-254	DN150/6"	DN125/4"	38.9/418.8	25.9/279.0	138.9/36.7	119.1/31.5

Notes:
(1) Dimensions shown on the drawing above are expressed in mm (milimeters).
(2) Each model includes either 18 or 25 mm inner tubes, so exchange areas change accordingly.
(3) Volumes are applicable to units with 18 mm inner tubes.
(4) Standard heat exchangers length can be 6m/20' and 3m/10'. Others on request.
(5) XLG reserves the right to amend any of the above technical data without prior notice subject to project conditions.

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