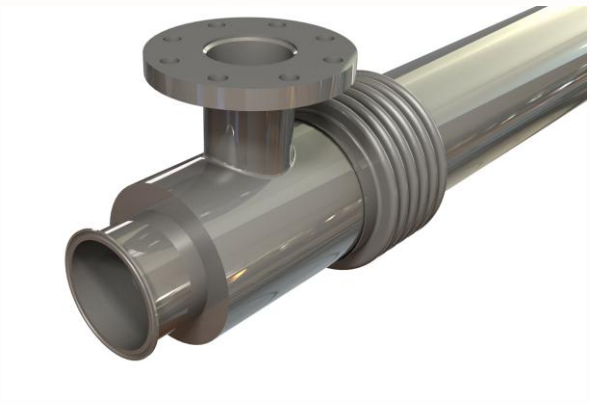
HRS DTA SERIES

HYGIENIC DOUBLE TUBE HEAT EXCHANGER



The HRS DTA Series is a complete stainless steel double tube design for hygienic applications. The product flows through the inner tubes and the media fluid flows through the surrounding shell. Because of its geometry, the DTA Series is a true counter current heat exchanger. Using our corrugation technology, both heat transfer and efficiency are increased over standard smooth tube heat exchangers. In addition potential fouling is minimised.

APPLICATIONS

Fluids Containing Fibres or other Particles
Low-High Viscosity Fluids

MATERIALS OF CONSTRUCTION

Shell Side: AISI 304 Stainless Steel
Tube Side: AISI 316L Stainless Steel

STANDARD CONNECTIONS

Shell Side: Flange
Tube Side: Clamp

SURFACE FINISH

External: Satin or Polished
Tube Side: Roughness < 0.8 µ

STANDARD DESIGN CONDITIONS

Shell side: 10 barg/150º C
Tube side: 10 barg/150º C

FEATURES

Corrugated tubes for increased heat transfer

Bellow fitted to absorb differential expansion between shell and tube

Multiple units can be interconnected and have the option of frame mounting, insulation and cladding in stainless steel

RANGE

Models:	Lengths (m)	Surface Area (m^2)	Shell Side Connection	Tube Side Connection	Max Flow Shell (m^3/hr)	Max Flow Tubes (m^3/hr)	Volume Shell Side (L)	Volume Tube Side (L)
DTA 51/25	3.0 – 6.0	0.4	DN40	1"	13	4	8.2	2.5
DTA 64/38	3.0 – 6.0	0.6	DN40	1.5"	17	10	10.3	5.7
DTA 76/51	3.0 – 6.0	0.9	DN40	2"	18	18	14.1	11.0
DTA 104/64	3.0 – 6.0	1.1	DN65	2.5"	43	29	29.7	16.9
DTA 104/76	3.0 – 6.0	1.3	DN65	3"	33	41	21.5	24.8
DTA 129/104	3.0 – 6.0	1.8	DN80	4"	37	77	26.0	46.4

The surface area and volumes shown are for 6.0 meter length models

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