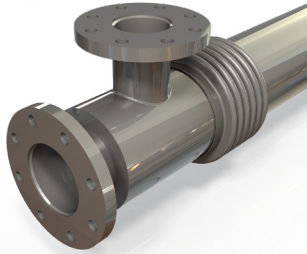


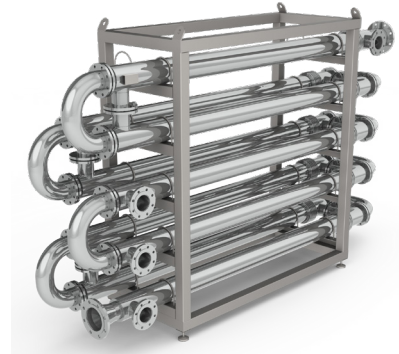
INDUSTRIAL DOUBLE TUBE HEAT EXCHANGERS

HRS DTI SERIES



The HRS DTI Series is a complete stainless steel double tube heat exchanger designed for industrial and environmental applications. The product flows through the inner tubes and the service fluid flows through the surrounding shell. As a result of its geometry, the DTI Series has a continuous free-pass cross section allowing large particles to be processed and reduces the risk of product blockages.

Using our corrugation technology, both heat transfer and efficiency are increased over standard smooth tube heat exchangers. In addition, potential fouling is minimized.



TECHNICAL DATA

APPLICATIONS

Fluids Containing Fibres or particles
Low - High Viscosity Fluids

SURFACE FINISH

External: Matt
Internal: Matt

STANDARD MATERIALS OF CONSTRUCTION

Service Side: AISI 304 Stainless Steel
Product Side: AISI 316L Stainless Steel
Other material options available

STANDARD DESIGN CONDITIONS

Service Side: 147 PSI/365°F
Product Side: 147 PSI/365°F

STANDARD CONNECTIONS

Service Side: Flange
Product Side: Flange
All flange types available

FEATURES

- Corrugated tubes for increased heat transfer
- Bellows are fitted to absorb differential expansion between shell and tubes
- Multiple units can be interconnected and have the option of frame mounting, insulation and cladding in stainless steel

RANGE

MODELS	LENGTHS (ft)	SURFACE AREA (ft ²)	SERVICE SIDE CONNECTION	PRODUCT SIDE CONNECTION	MAX FLOW SERVICE (gpm)	MAX FLOW PRODUCT (gpm)	SERVICE SIDE VOLUME (gal)	PRODUCT SIDE VOLUME (gal)
DTI 51/25	10 - 20	4	1.5"	0.5"	57	18	2	1
DTI 64/38	10 - 20	7	1.5"	1"	75	44	3	2
DTI 76/51	10 - 20	10	1.5"	1.5"	79	79	4	3
DTI 104/64	10 - 20	12	2.5"	2"	189	128	8	4
DTI 104/76	10 - 20	14	2.5"	2.5"	145	181	6	7
DTI 129/104	10 - 20	19	3"	3"	163	339	7	12
DTI 168/129*	10 - 20	26	4"	4"	242	528	12	19

The surface area and volumes shown are for 20ft length models. *DTI 168/129: the pressure for this unit cannot be more than 72.5 PSI.

DESIGN CODE AND COMPLIANCE

PD 5500, PED 2014/68/EU, ASME | TR CU 032, DOSH Compliant