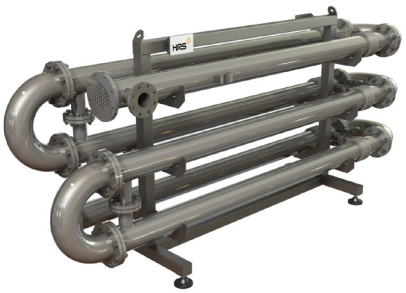
MULTITUBE HEAT EXCHANGERS

HRS K SERIES

The HRS K Series is a complete stainless steel shell and tube heat exchanger designed for industrial use. The product flows through the inner tubes and the service fluid flows through the surrounding shell.

The HRS K Series is an ideal heat exchanger for steam-to-water applications such as CIP heating. Using HRS corrugation technology, heat transfer and efficiency are increased over standard smooth tube heat exchangers. In addition, effects of fouling are minimised.



TECHNICAL DATA

APPLICATIONS

Low-Medium Viscosity Fluids
CIP Heating
General Industrial Applications

STANDARD MATERIALS OF CONSTRUCTION

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

STANDARD CONNECTIONS

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

SURFACE FINISH

External: Matt
Internal: Descaled
Other surface finishes available

STANDARD DESIGN CONDITIONS

Service Side: 10 bar/185°C
Product Side: 10 bar/185°C

FEATURES

- Corrugated tubes for increased heat transfer
- Bellows are fitted to absorb differential expansion between shell and inner tubes
- Multiple units can be interconnected and mounted in a frame
- Polished version available

RANGE

MODELS	LENGTHS (m)	SURFACE AREA (m^2)	SERVICE SIDE CONNECTION	PRODUCT SIDE CONNECTION	MAX FLOW SERVICE (m^3/hr)	MAX FLOW PRODUCT (m^3/hr)	SERVICE SIDE VOLUME (l)	PRODUCT SIDE VOLUME (l)
K 7 76/18	0.7 - 6	2.3	DN40	DN65	16	13	14.6	8.3
K 13 104/18	0.7 - 6	4.3	DN65	DN80	40	24	27.6	15.4
K 19 129/18	0.7 - 6	6.3	DN80	DN100	55	35	44.8	22.6
K 37 168/18	0.7 - 6	12.4	DN80	DN150	55	67	70.3	43.9
K 55 219/18	0.7 - 6	18.4	DN125	DN200	130	100	129.8	65.3

The following lengths can be supplied: 0.7/1/1.5/2/3/6 m. The surface area and volumes shown are for 6m length models. Nozzle volumes are included.

DESIGN CODE AND COMPLIANCE

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

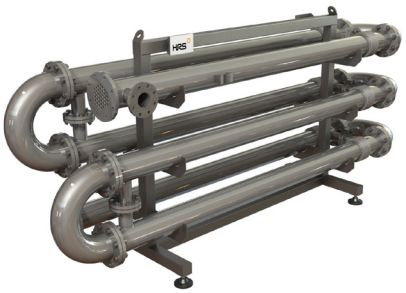
HRS HEAT EXCHANGERS hrs-heatexchangers.com **UK Office** +44 (0)1923 545 625 info@uk.hrs-he.com

MULTITUBE HEAT EXCHANGERS - HIGH PRESSURE HIGH TEMPERATURE

HRS KHP SERIES

The HRS KHP Series is a complete stainless steel shell and tube heat exchanger designed for industrial use. The product flows through the inner tubes and the service fluid flows through the surrounding shell.

The HRS KHP Series is an ideal heat exchanger for high temperature and high pressure applications. Using HRS corrugation technology, heat transfer and efficiency are increased over standard smooth tube heat exchangers. In addition, effects of fouling are minimised.



TECHNICAL DATA

APPLICATIONS

Low-Medium Viscosity Fluids
High Temperature Applications
High Pressure Industrial Applications

STANDARD MATERIALS OF CONSTRUCTION

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

STANDARD CONNECTIONS

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

SURFACE FINISH

External: Matt
Internal: Descaled
Other surface finishes available

STANDARD DESIGN CONDITIONS

Service Side: 16 bar/250°C
Product Side: 16 bar/250°C

FEATURES

- Corrugated tubes for increased heat transfer
- Bellows are fitted to absorb differential expansion between shell and inner tubes
- Multiple units can be interconnected and mounted in a frame
- Polished version available

RANGE

MODELS	LENGTHS (m)	SURFACE AREA (m^2)	SERVICE SIDE CONNECTION	PRODUCT SIDE CONNECTION	MAX FLOW SERVICE (m^3/hr)	MAX FLOW PRODUCT (m^3/hr)	SERVICE SIDE VOLUME (l)	PRODUCT SIDE VOLUME (l)
KHP 7 76/18	0.7 - 6	2.3	DN40	DN65	16	13	14.6	8.3
KHP 13 104/18	0.7 - 6	4.3	DN65	DN80	40	24	27.6	15.4
KHP 19 129/18	0.7 - 6	6.3	DN80	DN100	55	35	44.8	22.6
KHP 37 168/18	0.7 - 6	12.4	DN80	DN150	55	67	70.3	43.9
KHP 55 219/18	0.7 - 6	18.4	DN125	DN200	130	100	129.8	65.3

The following lengths can be supplied: 0.7/1/1.5/2/3/6 m. The surface area and volumes shown are for 6m length models. Nozzle volumes are included.

DESIGN CODE AND COMPLIANCE

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