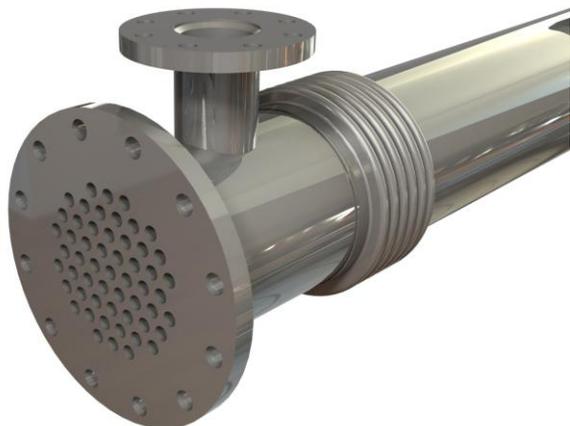# HRS K SERIES
MULTI-TUBE HEAT EXCHANGER

The HRS K Series is a complete stainless steel shell and tube design for industrial use. The product flows through the interior tubes and the media fluid flows through the surrounding shell. The 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.

APPLICATIONS

Low-Medium Viscosity Fluids
CIP Heating

MATERIALS OF CONSTRUCTION

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

STANDARD CONNECTIONS

Shell Side: Flange
Tube Side: Tubeplate Flange

SURFACE FINISH

Exterior: Satin or Polished
Tube Side: Descaled

STANDARD DESIGN CONDITIONS
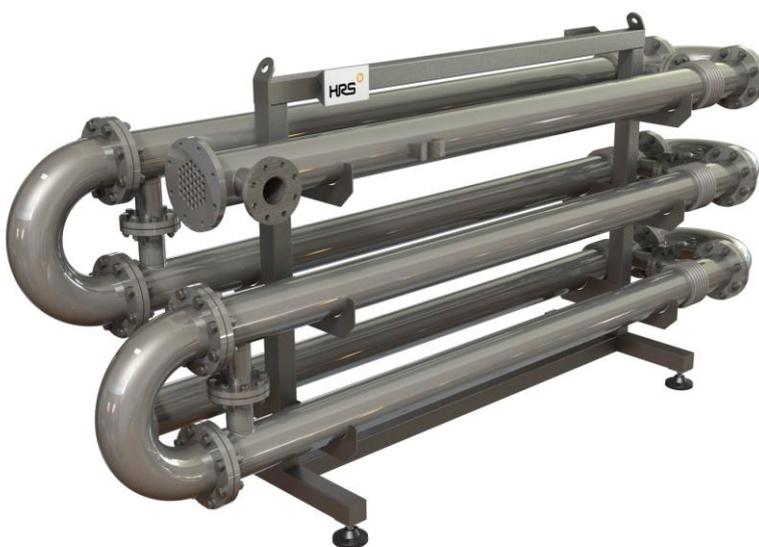
Shell Side: 10 barg/185º C
Tube Side: 10 barg/185º C

FEATURES

Corrugated tubes for increased heat transfer

Bellow fitted to absorb differential expansion between shell and inner tubes

Multiple units can be interconnected and mounted in a frame

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)
K 7 76/18	0.7 – 6.0	2.3	DN40	DN65	16	13	14.6	8.3
K 13 104/18	0.7 – 6.0	4.3	DN65	DN80	40	24	27.6	15.4
K 19 129/18	0.7 – 6.0	6.3	DN80	DN100	55	35	44.8	22.6
K 37 168/18	0.7 – 6.0	12.4	DN80	DN150	55	67	70.3	43.9
K 55 219/18	0.7 – 6.0	18.4	DN125	DN200	130	100	129.8	65.3

The following lengths can be supplied: 0.7 / 1.0 / 1.5 / 2.0 / 3.0 / 6.0
The surface area and volumes shown are for 6.0 meter length models. Nozzle volumes are included.