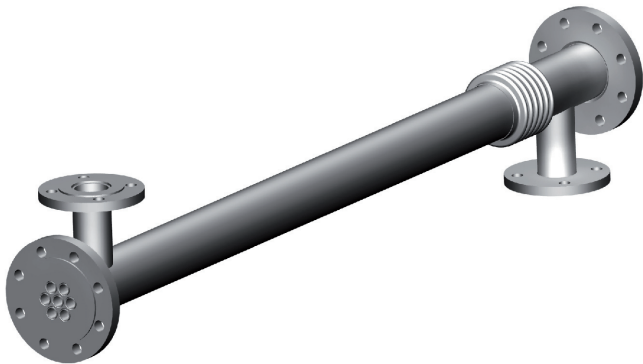


K SERIES

MULTITUBULAR HEAT EXCHANGER



The K series heat exchanger is an all stainless steel shell and tube heat exchanger for industrial use. The product to be heated or cooled flows through the interior tubes. The media fluid flows through the surrounding shell.

The K series is the ideal heat exchanger for steam to water applications such as CIP heating. Corrugated tubes are used to increase heat transfer rates which makes the K series much more efficient than normal smooth tube heat exchangers.

APPLICATIONS:

Low to medium viscosity fluids.
Industrial applications.
CIP heating.

MATERIALS:

Service side: AISI 304 stainless steel.
Product side: AISI 316L stainless steel.

CONNECTIONS:

Shell side: Flanged.
Tube side: Tubeplate-flange.

FINISHING:

Mate finish.

DESIGN CONDITIONS:

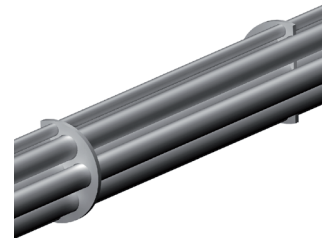
Service side: 10 barg / 185 °C.
Product side: 10 barg / 185 °C.



An expansion bellow is fitted in the outer shell for absorbing the differential expansion between the shell and the inner tubes.



A combined tubeplate-flange is used as product side connection. If needed, inlet and outlet headers can be fitted.



Baffles are placed to support the tube bundle. The baffles can help to increase the heat transfer.

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 Shellside (L)	Volume Tubeside (L)
K 4 64/18	0,7 - 6,0	1,4	DN 32	DN 50	8	11	11,1	4,8
K 7 76/18	0,7 - 6,0	2,3	DN40	DN65	16	13	17,7	8,3
K 13 104/18	0,7 - 6,0	4,3	DN65	DN80	40	24	31,5	15,4
K 19 129/18	0,7 - 6,0	6,3	DN80	DN100	55	35	50,7	22,6
K 37 168/18	0,7 - 6,0	12,3	DN80	DN150	55	67	82,0	44,0
K 55 219/18	0,7 - 6,0	18,4	DN125	DN200	130	100	145,4	65,3

The following lengths (in meters) 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.