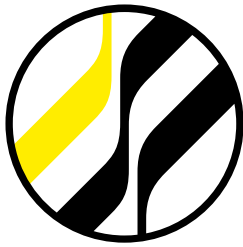


Kelvion



Kelvion K°Bloc | Fully Welded Plate Heat Exchanger

FOCUSED ON THE MOST STRINGENT REQUIREMENTS



APPLICATION & BENEFITS

The K°Bloc is a fully-welded plate heat exchanger that is used above all in the oil and gas industry, the chemical industry as well as in the petrochemical sector.

The solidly bolted frame consists of four columns, top and bottom heads as well as four side panels. These side panels can be detached swiftly and allow free access all the way around for the thorough and easy cleaning of the fully-welded plate package.

Two different plate corrugations are available. Chevron corrugation enables effective heat transfer. In contrast, double dimple corrugation is the first choice for highly viscous or solid containing media as well as for vacuum applications.

ADVANTAGES

- ▶ **DESIGNED AND MADE IN GERMANY**
- ▶ **UNIQUE COMB TECHNOLOGY**
- ▶ **REINFORCED CORNER DESIGN**
- ▶ **UP TO 50 BARG | 400 °C
725 PSI | 750 °F**

DIMENSIONS

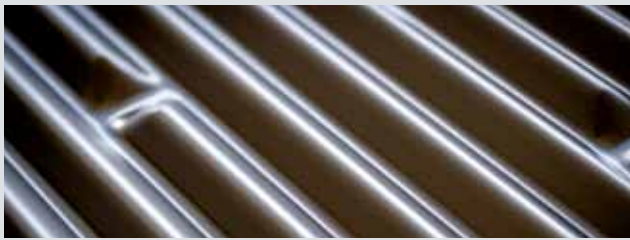
TYPE	PRESSURE VESSEL				CONNECTION	
	FOOTPRINT		MAX. HEIGHT		MAX.	
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
BT20	430x430	16.5"x16.5"	798	31.4"	DN 150	6"
BT30	520x520	20.5"x20.5"	1,439	56.7"	DN 250	10"
BT40	660x660	26.0"x26.0"	1,764	69.4"	DN 300	12"
BT50	780x780	30.7"x30.7"	2,116	83.3"	DN 400	16"
BT75	1,190x1,190	46.9"x46.9"	3,319	130.7"	DN 600	24"
BT120	1,850x1,850	72.8"x72.8"	3,681	144.9"	DN 900	36"



PLATE DESIGN

CHEVRON CORRUGATION

- ▶ High efficiency and pressure resistance
- ▶ Best compromise between high heat recovery services and CAPEX
- ▶ Fully accessible for cleaning by hydroblasting
- ▶ 5 mm (0.20") pressing depth

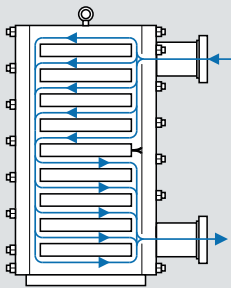


DOUBLE DIMPLE CORRUGATION

- ▶ For high viscous media or solids/fibres containing fluids
- ▶ Best compromise between pressure drop and heat recovery when dealing with severe fouling media
- ▶ For applications with low pressure drop requirements
- ▶ 5 mm (0.20") clear gap on both sides

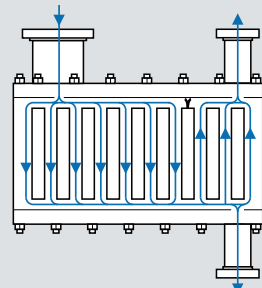


APPLICATION OPTIONS



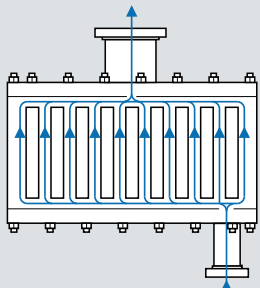
VERTICAL

for liquid-liquid as well as multi pass condensers and evaporators



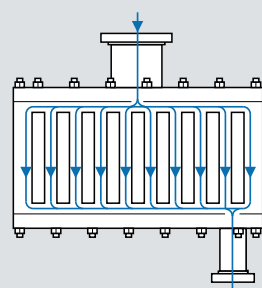
HORIZONTAL

for separation or condensation with inert gas



HORIZONTAL

for evaporation



HORIZONTAL

for condensation

PLATE MATERIALS

TYPE	AISI	TRADE NAME	
1.4306	304L		✓
1.4404	316L		☑
1.4547	S31254	SMO 254	☑
1.4539	904L		✓
2.4068	N02201	Nickel 201	✓
2.4602	N06022	Alloy C22	✓
2.4675	N06200	Alloy C2000	✓
2.4819	N10276	Alloy C276	☑
3.7025	B265 Gr1	Titan Gr.1	☑

Our K°Bloc is available in various materials for a wide range of different applications:

Standard plate materials



Further plate materials



Other materials are available upon request