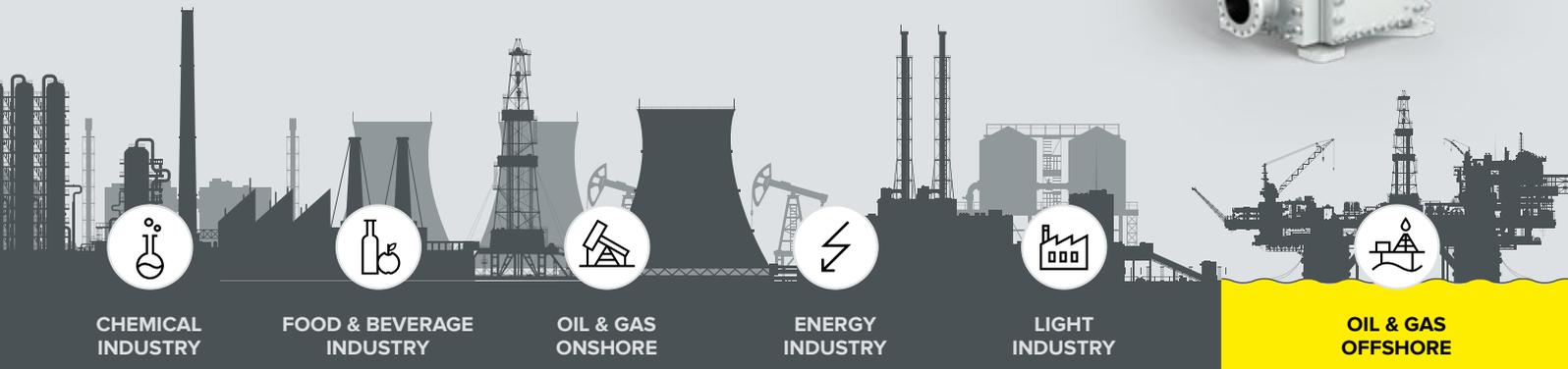


## Kelvion K°Bloc | Welded Plate Heat Exchanger

# RELIABILITY REFINED



CHEMICAL  
INDUSTRY



FOOD & BEVERAGE  
INDUSTRY



OIL & GAS  
ONSHORE



ENERGY  
INDUSTRY



LIGHT  
INDUSTRY



OIL & GAS  
OFFSHORE



**HIGH  
EFFICIENCY**



**ROBUST &  
RELIABLE**



**HIGH CORROSION  
RESISTANCE**



**LOWER  
MAINTENANCE**



**FLEXIBLE &  
COMPACT**



**TRUSTABLE  
PARTNER**

## KELVION K°BLOC

K°Bloc is the result of decades of experience with demanding applications, more than 30 years of welding expertise and a commitment to continuous product improvement.

Now this welded plate heat exchanger has been refined to further enhance its reliability and efficiency. Designed and made in Germany, K°Bloc plays a leading role in Kelvion's package of sustainable solutions, working across a broad range of liquids, temperatures and pressures. It offers several unique benefits:

K°Bloc is available in various materials and 2 different plate corrugations. The unique comb technology and the reinforced corner design makes it suitable for high temperature and pressure process applications up to 50 barg and 400 °C.

K°Bloc perfectly suits your demands for various applications. Efficient, reliable operation and low maintenance day after day, year after year.

## YOUR BENEFITS



► Maximise your process heat integration for a reduced CAPEX



► Debottlenecking your plant when looking for capacity increase



► Avoid unexpected shutdowns due to corrosion issues



► Increase your performance over the time for your most severe fouling services



► Reduce your downtime for fast and effective cleaning

## HIGH EFFICIENCY

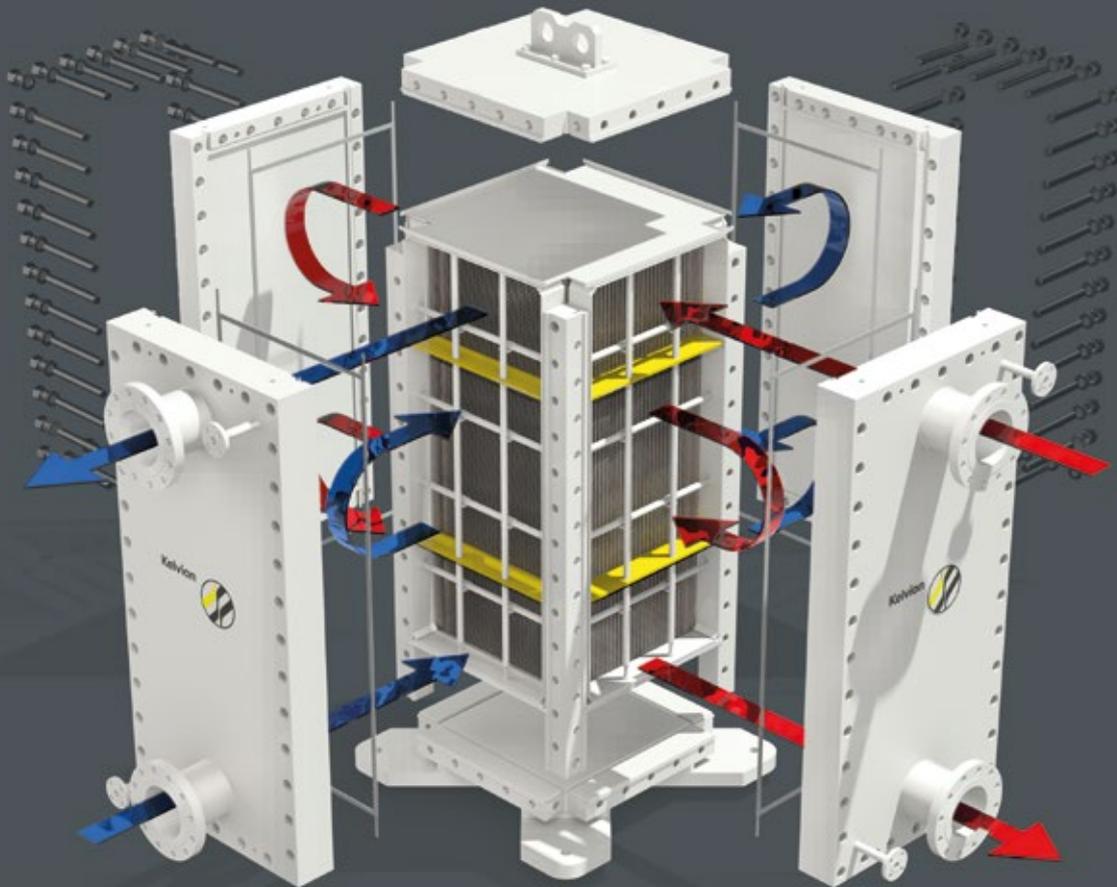
- ▶ **Turbulent flow** for higher heat transfer
- ▶ **Heat Recovery** without affecting CAPEX considerably
- ▶ **Debottlenecking** to find the best balance between limited CAPEX (incl. TIC) and heat recovery
- ▶ **High Heat Transfer** coefficients to minimize required footprint if space is restricted

## ROBUST & RELIABLE

- ▶ **Corner Design** offers reliable operation up to 50 barg
- ▶ **Comb Technology** for a robust construction even to the most crucial edge areas
- ▶ **Column Liners** reinforce the entire plate pack
- ▶ **3 Decades of Welding Experience** boosts reliability for the most severe operating conditions

## CORROSION RESISTANCE

- ▶ **Various Materials** for a wide range of different applications
- ▶ **Reduce CAPEX** - suitable for the most corrosive applications
- ▶ **Expertise in welding** all special alloys ensures a long lifetime



## FLEXIBLE & COMPACT

- ▶ **Reduced footprint** and versatile possibilities if space is restricted due to 6 different plate sizes
- ▶ **Baffles** allow multi pass designs for thermal plate length extension
- ▶ **Application versatility** with a broad range of liquids, temperatures, applications and pressures
- ▶ **Maximize heat recovery** with the lowest possible plot space

## LOWER MAINTENANCE

- ▶ **Fully inspectable** - allows access to all welds and offers ease of repair
- ▶ **Easy cleaning** possibilities due to accessible channels
- ▶ **Reduced fouling** thanks to high turbulence generated by our plate patterns
- ▶ **Global service network** for a peace of mind

## TRUSTABLE PARTNER

- ▶ **Designed and Made in Germany** with trusted Plate Heat Exchanger technology and service where expertise is needed
- ▶ **100 Years of Experience in Heat Exchange.** Embrace our past. Build our future
- ▶ **Global but Local** Global manufacturing capabilities and service network