

Kelvion



K°BLOC
RELIABILITY REFINED

Kelvion K°Bloc | New Performance Chevron

NEW K°ID ON THE BLOC BOOSTS PERFORMANCE

KELVION K°BLOC

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

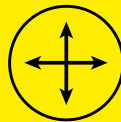
Now this welded plate heat exchanger has been refined to further enhance its reliability and efficiency. K°Bloc plays a leading role in Kelvion's package of sustainable solutions, working across a broad range of liquids, temperatures and pressures. It offers several unique benefits:

The **New Performance Chevron (NPC)** is the latest addition for the K°Bloc family. Backed up with years of experience this new plate corrugation has been developed to meet today's requirements of high demanding applications. High heat recovery cut costs by lower energy consumption and cooling water needs. Improve sustainability by lowering the the carbon footprint.

YOUR BENEFITS



HIGH HEAT RECOVERY



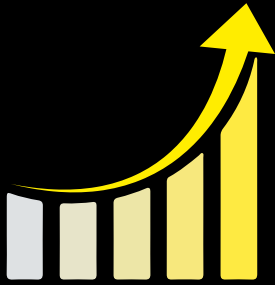
DEBOTTLENECKING YOUR PLANT
WHEN LOOKING FOR CAPACITY
INCREASE



CUT COSTS BY LOWER
ENERGY CONSUMPTION



REDUCE CO₂ EMISSIONS



MAXIMISE OUTPUT ON EXISTING PLANT SIZE:

- ▶ Capacity expansion on existing footprint (Debottlenecking)
- ▶ Improve process heat integration



OUTSTANDING THERMAL EFFICIENCY:

- ▶ High heat recovery
- ▶ Lower energy consumption and reduced cooling water needs
- ▶ Reduce carbon footprint



IMPROVE THE RETURN OF INVESTMENT:

- ▶ Enhancing heat recovery to shorten payback periods
- ▶ Small footprint to exploit available space best possible

NEW PERFORMANCE CHEVRON:

Ideally suited for applications with a high heat recovery potential

▶ INTERCHANGER AND HEAT RECOVERY:

- ▶ Amine interchanger
- ▶ EO/EG interchanger
- ▶ Crude pre heater/interchanger
- ▶ Vegetable oil interchangers

▶ OVERHEAD CONDENSERS

- ▶ Crude overhead condenser

▶ WATER/WATER

- ▶ Power
- ▶ District heating

▶ ORC APPLICATIONS

▶ HYDROGEN (ELECTROLYZER)

▶ GENERAL APPLICATIONS

- ▶ Interchanger for heat recovery
- ▶ Steam heater/condenser

DOUBLE DIMPLE		CHEVRON		NPC	
Heat Transfer Performance	●●○○○	Heat Transfer Performance	●●●●○	Heat Transfer Performance	●●●●●
Pressure Drop	●○○○○	Pressure Drop	●●●●○	Pressure Drop	●●●●●
Cleanability	●●●●●	Cleanability	●●●○○	Cleanability	●●○○○
Thermodynamic Applications	●●●○○	Thermodynamic Applications	●●●●●	Thermodynamic Applications	●●●●○
Max. Particle Size	●●●●○	Max. Particle Size	●●○○○	Max. Particle Size	●○○○○