

## Chemicals

# CHEMICALS RULE THE WORLD



## EXPERT SOLUTIONS FOR YOUR PROJECT

Food, fuel, medicines, fertilizers, plastics, soap, batteries and smart phones – **almost everything we manufacture** or extract from the earth **is connected to chemistry**. The chemical industry is one of the **most innovative and fastest-growing sectors**, with 70 percent of its output being used by other industries worldwide. The **major challenge for the industry** lies in **helping the growing world population to maintain and improve its standard of living sustainably**.

Chemical production involves a complex series of processes, from heating, cooling and condensing to evaporation and separation. **All of these need reliable heat exchange technology**, which is where **Kelvion** comes in. Our robust heat exchangers are designed to withstand the rigors of chemical reactions, enabling critical processes to be completed safely and efficiently.

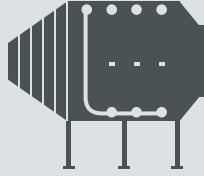
## OUR AREAS OF EXPERTISE

BASIC INORGANIC  
CHEMICALSBASIC ORGANIC  
CHEMICALSSPECIAL  
CHEMICALSFINE  
CHEMICALS

# SOLUTIONS FOR SAFE AND EFFICIENT CHEMICAL PROCESSES

## AIR DRYERS

- ▶ Aerodynamically favourable core for low pressure loss and minimum soiling and low noise level
- ▶ Hot-dip galvanizing for good corrosion protection and high heat transfer coefficient



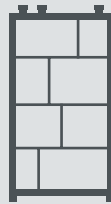
## ECONOMIZERS

- ▶ Heat recovery implementation in your process will increase its efficiency, decrease energy consumption and save your money
- ▶ Available with different materials to fit your application



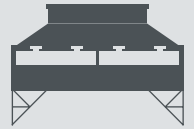
## AIR PREHEATERS

- ▶ Air preheater are heat exchangers for heating and evaporation, for cooling and condensing and for heat recovery
- ▶ Wide range of available plain and finned tube systems



## AIR FIN COOLERS

- ▶ Special high-performance finned tubes with optimized material and design
- ▶ The investment cost is reduced and you save in operating costs



## SINGLE TUBE HEAT EXCHANGERS

- ▶ We provide plain tube, low fin tube and plate fin solutions for your application
- ▶ Material selection depends on the applied media and applications



## DOUBLE TUBE HEAT EXCHANGERS

- ▶ Double Tube Systems comprises various types of shell-and-tube heat exchangers and skid systems
- ▶ Designed and manufactured in close cooperation with our customers with our focus on achieving joint success



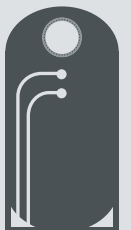
## VESSELS, REACTORS & COLUMNS

- ▶ Wide capability of performing complex thermal and mechanical design
- ▶ Experience in manufacturing heavy equipment made of special materials to withstand demanding operating conditions



## DESUBLIMATORS

- ▶ Modular cooling tower system can be expanded and customized.
- ▶ Standardized system allows for significant cost advantages.



## PLATE HEAT EXCHANGERS

- ▶ Worldwide technology leader in the manufacture and development of plate heat exchangers
- ▶ Most extensive product ranges on the market



## WET COOLING TOWERS

- ▶ Modular cooling tower system can be expanded and customized.
- ▶ Standardized system allows for significant cost advantages.

