## Kelvion Tundracel – Co-current closed circuit cooling tower

# ORIGIN OF PROCESS COLD


## DESIGN & FUNCTION

The new Kelvion Tundracel Co-Current Closed Circuit Cooling Tower is expertly engineered to boost heat transfer efficiency while using less energy and water, thereby improving total cost of ownership.

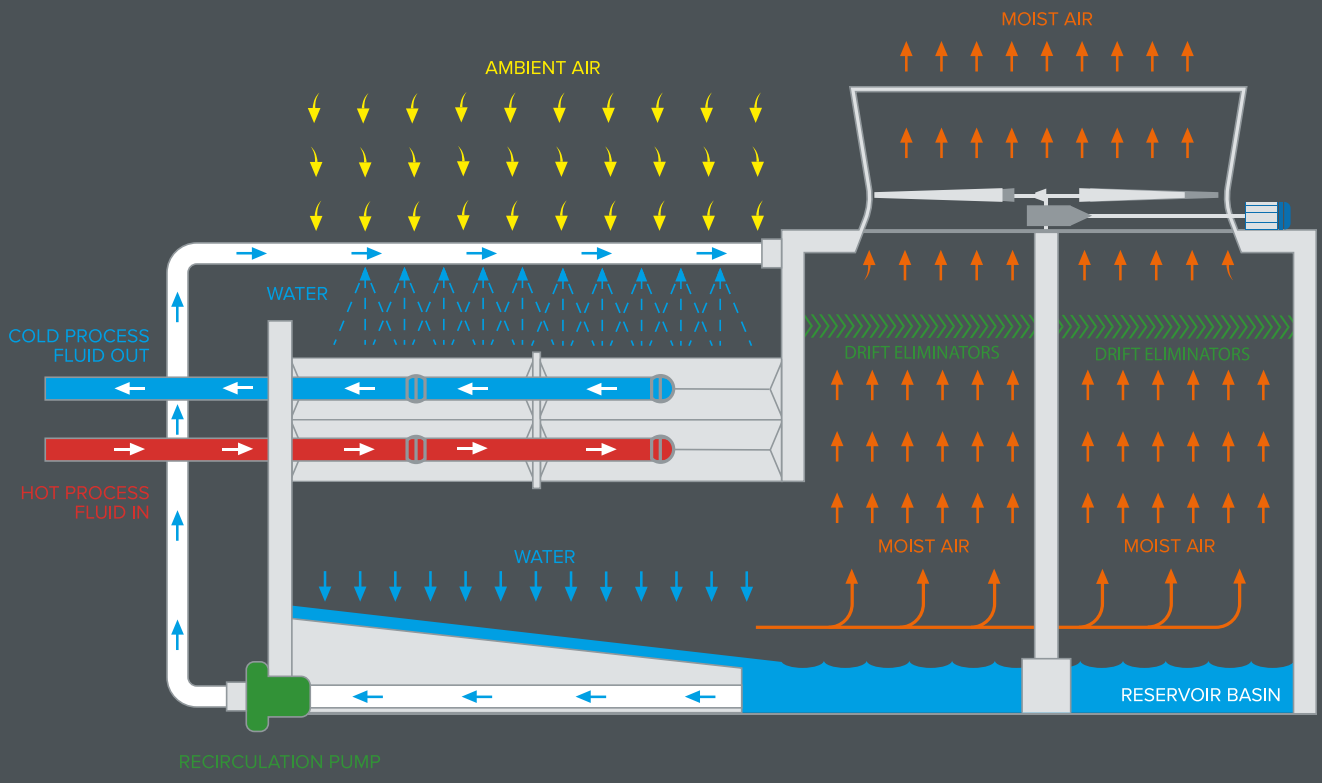
This latest innovation in the Kelvion portfolio is ideal for a wide range of heavy duty industries including oil & gas, refining, petrochemicals and power. The Tundracel uses evaporative cooling to remove the heat from your process stream.

With the co-current closed circuit technology, the air helps to spread the water evenly over the entire surface of the tubes, thereby reducing scaling and fouling. Heat transfer is more efficient than in a traditional air-cooled heat exchanger, allowing the coldest possible cooling performance for the process fluid. As a result, electricity consumption is lower, which reduces the environmental footprint and increases your production capacity.

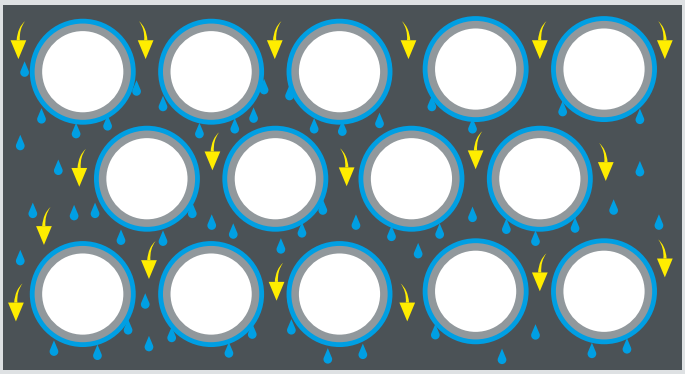
## ADVANTAGES

- COLDER OUTLET TEMPERATURE
- DESIGNED FOR POOR WATER QUALITY APPLICATIONS
- REDUCED WATER CONSUMPTION
- REDUCED ELECTRICAL CONSUMPTION
- REDUCED FOOTPRINT
- LOW MAINTENANCE

# KELVION TUNDRACEL OPERATION




## CO-CURRENT AIR & WATER

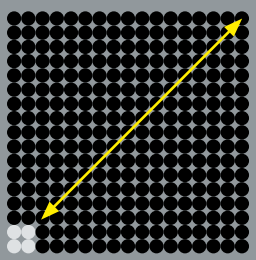


- Water and cooling air flow simultaneously through same current
- Air helps to spread water evenly over entire tube surface
- Prevention of bare spots
- Less scaling / fouling

## APPLICATIONS

OIL & GAS · CHEMICALS · POWER · DATA CENTER

## CAPACITY RANGE



**300 m²** [3229 ft²]

**4 m²** [43 ft²]

## PROCESSES & MEDIA

### LIQUID COOLING
- Water
- Industrial Wastewater
- Seawater
- Stripped Water
- Scrubber Waters
- De-ionized Water
- Glycol
- Machine Oils

### VAPOR CONDENSING
- Steam
- Ammonia
- Freon
- Propane
- Acetone
- Cyclo-butane
- Ethane
- Methane

### GAS COOLING
- $CO_2$
- Natural Gas
- Air
- Nitrogen

**www.kelvion.com**