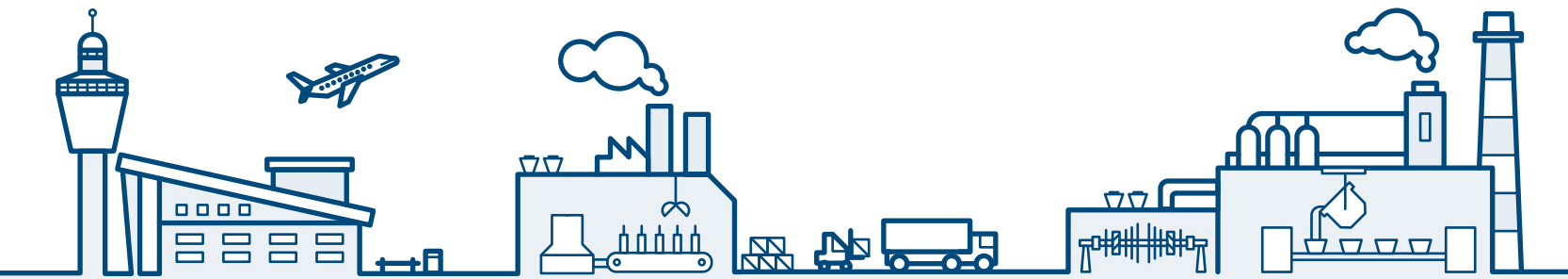


Chillventa News





4.500 standard solutions
15 million configurations

TK Archimede 2018

A Software package that allows you to easily select air-cooled units specifically suited to your applications.

The new release of TK Archimede includes the complete range of round-tube products and **microchannel condensers as well as the EPS adiabatic system** (EPS-Evaporative Panel System).

What's new in 2018 release:

- New software layout
- New print layout
- New range of fans
- New refrigerants
- New offer management
- New features
- New price list



500 standard solutions
80.000 configurations

TK Cardano 2018

A Software package designed for the selection and calculation of microchannel condensers manufactured with the innovative **TKMicro technology**.

TK Cardano is the result of ThermoKey's extensive research and development into the field of thermodynamic calculation and design of microchannel condensers.

What's new in 2018 release:

- New refrigerants
- New accessories
- New series of condensing units

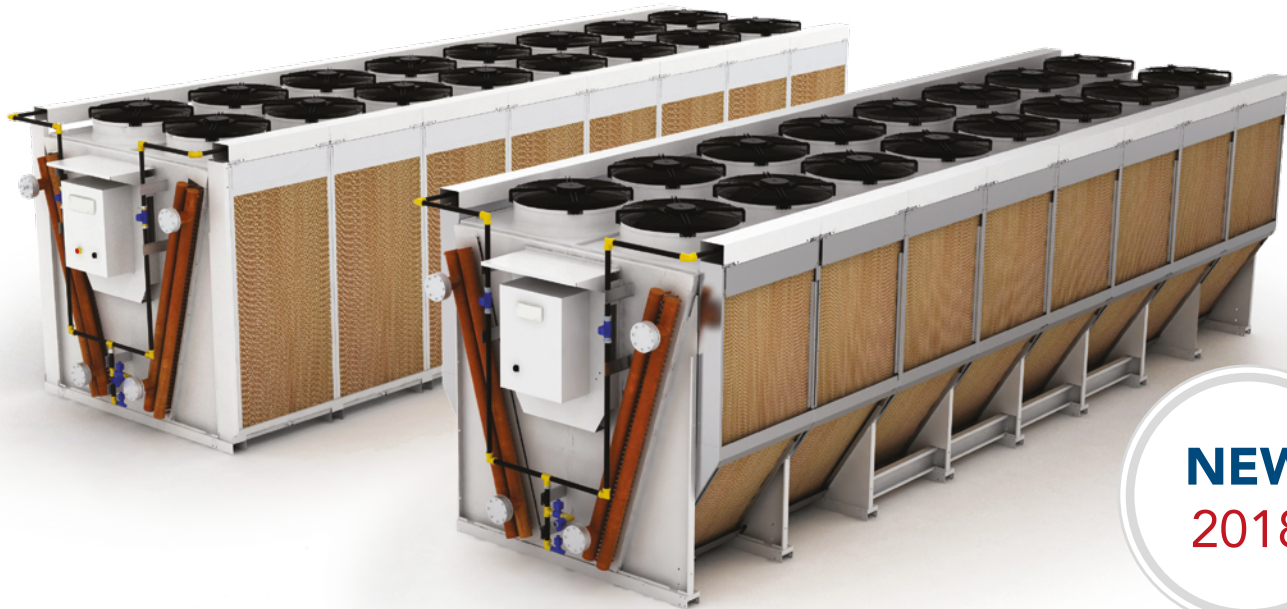
The revolutionary V-Tower Dry Cooler

The new V-Tower achieves a total cooling capacity which is similar to that achieved by an evaporative cooling tower, **while producing none of the problems associated with aerosol.**

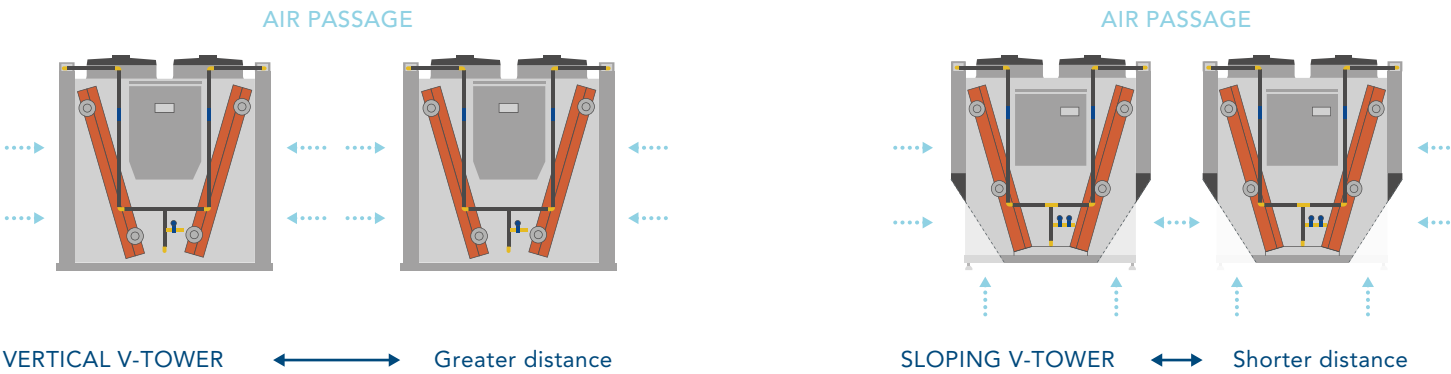
Thanks to the EPS system with Evaporative panels the unit can achieve larger cooling capacity than a traditional Dry Cooler whilst its modularity makes this system reliable and easy to use.

Strengths of the V-Tower:

- NO WATER TREATMENT NEEDED
- NO HEAT EXCHANGER TREATMENT
- HEAVY DUTY DESIGN OF EPS SYSTEM
- REDUCED WATER CONSUMPTION
- OPTIMIZATION OF ENERGY CONSUMPTION
- UNLIMITED HOURS PER YEAR
- LOW TOTAL COST OF OWNERSHIP



The sloping V-Tower solution saves space when there are more than one unit next to one another without reducing the operating efficiency.



Microchannel technology

ThermoKey is the **leading European manufacturer of Microchannel cores.** Our cores are used by all the main European chiller producers / OEMs and by ThermoKey itself in its innovative range of air-cooled units. Microchannel cores in the various configurations are compatible with all standard refrigerants (R410A, R134a, R22, R407C, R404, R507A, R245fa), ammonia (R717), propane (R290) and water (R718). The available dimensions are: length from 500 mm to 5400 mm and height from 450 mm to 1300 mm. ThermoKey has chosen top-level materials to ensure the maximum quality for its TKMicro technology including also water cores with low percentage of glycol.



TK Smart

TKSmart has quickly found a perfect application in food installations. The new platform has been designed through a series of innovative solutions, which guarantee higher performance and efficiency. It is made entirely with standard components that guarantee very short delivery times and are 100% recyclable.



Unit coolers: choose the materials

The Unit coolers are air-cooled units used in Air conditioning and Refrigeration. When selecting the heat exchanger consideration must be given, in addition to your needs and technical requirements, to the context in which the unit will be installed. To **avoid corrosion**, to maintain the functionality of the installations over time and the air-tight of the refrigeration systems, the first thing to do is to **choose the right combination of materials** and possible specific protection treatments.

Below are all the customized components of the ThermoKey Dual Flow and Cubic Unit coolers.

TUBES/MANIFOLDS

- Copper
- Stainless steel

FRONT/INTERNAL PLATES

- Aluminium
- FeZn
- Stainless steel

CASING

- Aluminium
- Aluminium painted
- FeZn painted
- Stainless steel

FIXING BRACKETS

- Stainless steel

DRIP TRAYS

- Aluminium
- Aluminium painted
- FeZn painted
- Stainless steel

FINS

- Aluminium
- Pre-painted
- Double-layer
- E-coated: Blygold
Cathaphoresys
Heresite
- Copper
- Stainless steel

FANS

- Guard grille: Steel tr. painted
Stainless steel
- Blades: Sp. reinf. plastic
Aluminium
Painted
Stainless steel

FIXING BRACKETS

- Stainless steel

CASING

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- Aluminium painted
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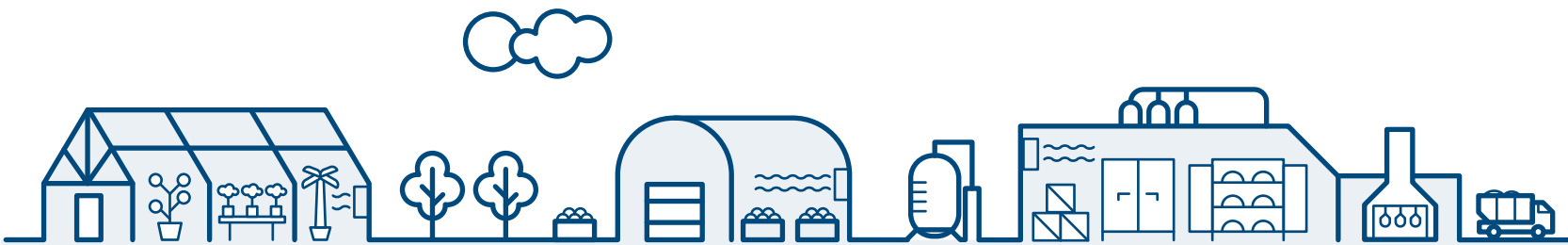
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Our Goal: the satisfaction
of our customers' specific needs through

INNOVATION
QUALITY
PERSONALIZATION
VELOCITY



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