

A dynamic splash of blue water forms a circular shape in the center of the image. The water is captured in mid-air, with many small droplets and larger splashes radiating outwards from a central point. The background is white with a faint, light blue diamond-shaped grid pattern.

w.tech
evaporative technology cooler

W-Tech designs and manufactures heat dissipation systems by using adiabatic technology, like cooling towers, closed coolers and evaporative condensers, or air-cooling like dry coolers and condensers.



Mission

Sustainable, cost effective and efficient solutions :

- ✓ Worldwide
- ✓ For any climate
- ✓ For any type of installation
- ✓ For any kind of request

Business Area

- ✓ Refrigeration
- ✓ HVAC
- ✓ Industry (Energy and Cogeneration ,
Chemical/Pharmaceutical, Metallurgical, Food
processing, Oil & Gas, etc...)

Product-range

- Open Cooling Towers
- Closed Circuit Coolers
- Evaporative Condensers
- Dry coolers + Adiabatic Air condensers
- W-CARE water treatment system
- Spare Parts
- Auxiliary systems



Construction peculiarities

- ❖ **W-Tech machines are entirely made of special and innovative corrosion-resistant materials:** Standard units are built with panels of Magnelis® (steel, zinc, aluminum, magnesium) ZM310 for an excellent superficial protection, empirically comparable to a galvanized zinc steel plate of 1050 g/m²
- ❖ **Stainless Steel 304/316 L (optional)**
- ❖ **W-COAT PLUS (optional)**
- ❖ **Standard heat exchange coil** is made by carbon steel pipes of suitable diameter and thickness, and bent as for our own geometry. Standard coil is hot-dip galvanized to ensure a perfect corrosion protection. Coil can be made in AISI stainless steel 304/316. Coil is then tested in accordance to PED-CE rule up to 38 bar.
- ❖ **Axial ventilation system (motors + fans)** Axial fans are built with blades in high efficiency fiberglass reinforced polypropylene (PPG), hub in aluminum, compass and bolts in galvanized steel. Protection fans grids are made in galvanized steel. Motors, with mechanical protection IP56 tropicalized, F insulation class, continue service S1, V6 form, are directly connected to axial fans.
- ❖ **W-Tech fill pack & drift eliminators** are of PVC or PP, presenting a great resistance to the majority of chemicals and biological aggression. W-Tech fill packs (W1300, W2000, W2700) and drift eliminators (W-DE-20, W-DE-25, W-DE-16) are chosen based on expected water quality, to minimize fouling and poor water distribution of water that might encourage Legionella propagation.



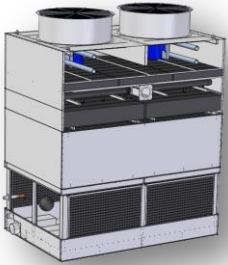
W-Tech strenghts

- In-house production, from design to testing
- Complete solutions for commercial and industrial sectors
- Complete control against Legionella
- Cutting-edge quality for our products
- Fast design and delivery
- Customization and special esecution
- Strong structure
- Reliability and proficiency
- Wide range of cooling capacity
- Low installation costs and quick commissioning
- Full-range of optionals available

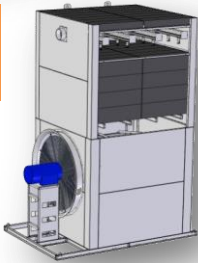


With over 20 years of experience, W-Tech identifies clients specific needs and provides them with right solution through a wide range of advanced and efficient products

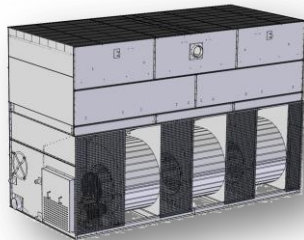
TAA



TAP



TC

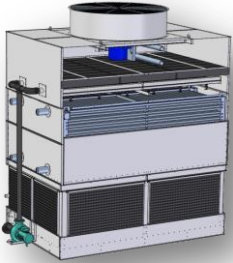


COOLING TOWERS

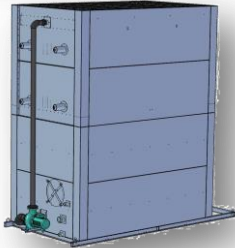
- > 200 Models
- 4 versions (Axial Forced, Axial Induced, Centrifugal, Centrifugal Low-Profile,)
- TAA= 110 -7495 kW
- TAP= 45- 2365 kW
- TC= 67-4536 kW
- TCR= 180 -2050 kW
- Suitable for container delivery
- More than 30 accessories available

The range of cooling towers is standardized and optimized for manufacturing. It is possible upon request and for specific customer needs, to modify some manufacturing details, materials and components.

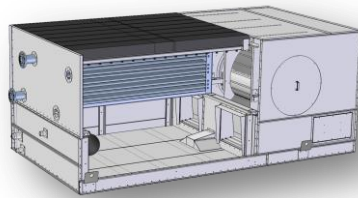
RAA



RAP



RCR

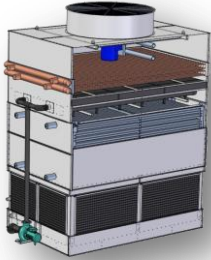


CLOSED CIRCUIT COOLERS

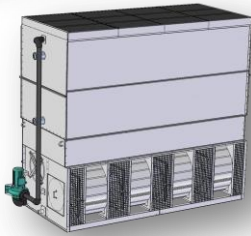
- > 150 Models
- 4 versions (Axial Forced, Axial Induced, Centrifugal, Centrifugal Low-Profile,)
- RAA= 70 -2000 kW
- RAP= 150 - 700 kW
- RC= 45 - 3600 kW
- RCR= 60 - 750 kW
- Suitable for container delivery
- More than 40 accessories available

The range of cooling towers is standardized and optimized for manufacturing. It is possible upon request and for specific customer needs, to modify some manufacturing details, materials and components.

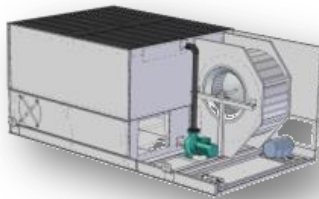
CAA



CC



CCR



EVAPORATIVE CONDENSER

- > 250 Models
- 4 versions (Axial Forced, Axial Induced, Centrifugal, Centrifugal Low-Profile,)
- CAA= 215 -5080 kW
- CAP= 730 - 1480 kW
- CC= 140 - 3670 kW
- CCR= 120 -1300 kW
- Suitable for container delivery
- More than 30 accessories available

The range of cooling towers is standardized and optimized for manufacturing. It is possible upon request and for specific customer needs, to modify some manufacturing details, materials and components.



V-type single-row condenser

- 380 Models
- 3 versions (small, standard, large)
- From 20 to 1.200 kW (DT 15K)
- Synthetic refrigerants, CO₂-gas cooler 120 bar, NH₃-ammonia condenser
- Increased thicknesses in the coil
- Optimized transport



Table-type condenser

- 603 Models
- Version with Standard, L and XL module
- From 5 to 1.400 kW (DT 15K)
- Synthetic refrigerants, CO₂-gas cooler 120 bar, NH₃-ammonia condenser
- Increased thicknesses in the coil
- Metal structure in painted plate, thickness 1,5 mm

Accessories:

- ✓ EC fans motors
- ✓ Two silencers available for fans (D800-D900)
- ✓ Corrosion treatment for coil resistant up to 60000 h in salt fog

Water Treatment

- **W-Care** water treatment is ideal to control scale and biological pollution during normal operation. The system is extremely easy to use and delivered pre-assembled on skid, fully wired (IP65) and includes an initial supply of chemical products.
- **W-Care** can be:
 - **Advanced**: manages the draining of the water inside the evaporative system through the use of a digital conductivity. It also manages the dosing of antiscaling/anticorrosive proportionally to the water consumption as well the dosing of biocide at programmable intervals. This type of system optimizes consumption of water and chemicals, and extends the life of the entire system.
 - **Basic**: good solution with good quality/price ratio, designed for small units and able to ensure a bivalent protection. This type of system optimizes the consumption of water and the chemical product making longer the life of the entire system.
 - **Purge** manages the automatic water purge in the evaporative system. The system will purge the evaporative system tank by using a motorized solenoid valve connected to a conductivity meter when the conductivity value of the water exceeds the limit set by the operator.



W-Tech installations puzzle





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