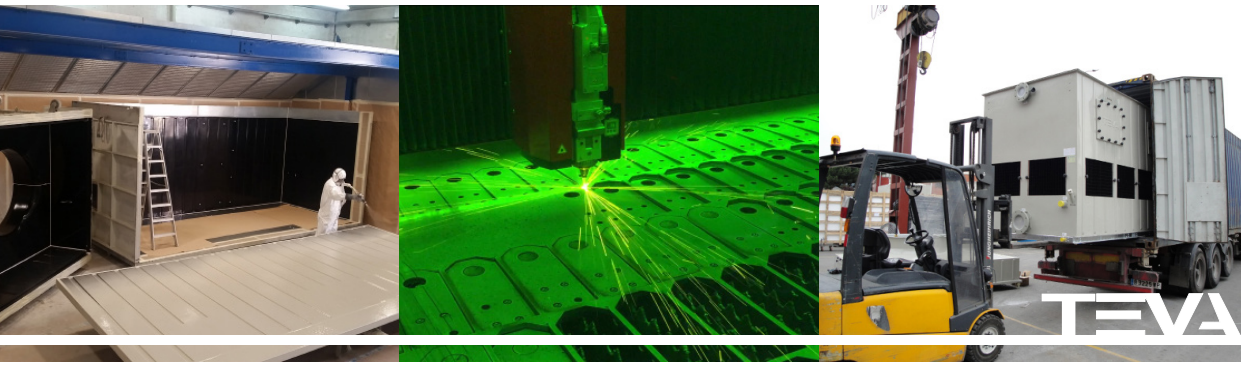
TECNICAS EVAPORATIVAS, S.L.

Closed circuit cooling towers

Cooling towers in which the fill has been replaced with a coil of smooth tubes through which the process fluid (fluid to be cooled) flows. A second circuit, aided by a small pump incorporated into the device, takes water from the tower's basin and circulates it through the coil.

As the tower is a closed circuit, a device where the process fluid does not come into contact with the air, it is a better replacement for the tower + heat exchanger set, as it allows lower cooling temperatures to be achieved.

TEVA closed circuit cooling towers can be manufactured in steel, glass reinforced polyester and come in axial and centrifugal models.



TÉCNICAS EVAPORATIVAS, SL (Teva) is a prestigious leading company in the design and manufacture of equipment for the evaporative cooling of water, industrial liquids and refrigerant gases.

We have been offering cooling solutions to many sectors since 1970, and it is this extensive experience, together with our broad range of products and our vision based on listening to our customers, that allows us to provide each customer with solutions created exclusively for their needs.

Products manufactured by TEVA, using our own designs and technology, include open circuit towers, closed circuit towers, evaporative condensers, adiabatic dry coolers/ condensers and regular dry coolers.

All of these are manufactured in metal or GRP versions and equipped with axial or centrifugal fans, which allows you to choose from the most extensive selection on the market when looking for the most appropriate solution for your needs in relation to: temperature, resistance to corrosion, water quality or shortage, energy efficiency, noise level, etc.

Our technical department is available to our customers, working continuously to improve the design, materials and production processes, and we also have a constantly growing sales network comprised of experienced professionals.

RVA SERIES

RVC SERIES

RMA SERIES

RGC SERIES

RVA

Capacity from 35 to 3,077 nominal kW

Manufactured with self-supporting polyester that is resistant to corrosion

Directly attached axial fans

Low maintenance costs

The main feature of the cooling towers in the RVA range is that their entire external surface, exposed to polluting and aggressive agents, is made of non-degradable material.

Equipped with energy-efficient axial fans, mainly for industrial use. The position when sucking air and the aerodynamic arrangement of the ring of the fans make it energy efficient. The fan impellers are directly attached to the electric motors, removing the need for maintenance operations and the risk of the belts breaking.

The heat exchange and water basin section is made out of high quality glass reinforced polyester (GRP), layered using moulds, with a Gel-Coat exterior finish of great strength and internally reinforced to guarantee the highest level of robustness of the structure, creating a single piece with no bolted joints to avoid water leaks.

MALL MIRADOR - TELDE (GRAN CANARIA)
AIR CONDITIONING

PLASTICOMNIUM / FAURECIA (VALENCIA)
IND. PROCESS AUTOMOTIVE INDUSTRY - 1,800 KW

SHOPPING CENTER EL CORTE INGLES (OPORTO)

AIR CONDITIONING - 16 X 800 KW ■ COMMERCIAL REFRIGERATION - 2 X 900 KW

RVC

Capacity from 35 to 1,037 nominal kW

The main feature of the cooling towers in the RVC range is the construction of the whole external surface, exposed to polluting and aggressive agents, in non-degradable material.

The RVC range includes 40 models with nominal powers from 35 to 1,037 kW, all of which can be transported by road without the need for any special permits or on-site assembly operations.

With centrifugal fans with a low noise level, mainly for air conditioning uses. The standard version of these devices has all the noise-making components (motors, fans and pump) inside a sound-absorbing chamber, which is why its noise level is especially low.

For those facilities that require an extremely low noise level, RVC towers can be equipped with silencers, both for suction and when releasing the air.

Built with polyester that is resistant to corrosion

The centrifugal fans are in an acoustic chamber, which is why its noise level is one of the lowest on the market

RMA

Capacity from 32 to 2,438 nominal kW

The closed circuit cooling towers in the RMA range include 37 models, which range from 32 to 2,438 nominal kW.

Manufactured in galvanised steel or stainless steel sheets with axial fans directly attached to the energy-efficient motor and designed to guarantee high cooling power with a low amount of absorbed power.

Closed circuit towers make it possible to directly cool fluids other than water, such as oils, oily emulsions, glycol water, chemical solutions or simply pure water.

Due to the way it works, as there is a direct cooling (unlike the open circuit tower + exchanger set), closed circuit towers make it possible to obtain lower output temperatures, thanks to avoiding a double thermal exchange. Therefore, they make the most of the advantages of evaporative cooling.

Standard construction in galvanised steel sheets

Axial fans directly attached to an energy efficient motor

AIRPORT T1 (EL PRAT DE LLOBREGAT)
AIR CONDITIONING- 28 X 1,575 KW

MALL GRAN PLAZA 2 - MAJADAHONDA (MADRID)
AIR CONDITIONING

MALL RIO 2 (MADRID)
AIR CONDITIONING

RGC

Capacity from 44 to 1,500 nominal kW

The RGC range includes a wide variety of powers, with 30 models that can meet the requirements of very diverse air conditioning, cooling and industrial process systems.

The centrifugal fans are a guarantee of a low noise level by themselves, and it has been possible to limit the number of these thanks to the different diameters used, leading to a reduction in installed power and maintenance operations. Furthermore, the layout with fans on just one side adds flexibility when installing them as the towers can be attached to walls, leaving the space needed to suction air and conduct maintenance operations on just one side.
As with all our metal evaporative cooling equipment, its standard manufacturing is in galvanised steel with carefully designed additional protection in the form of special painting cycles specifically created for this type of device. On request we can also manufacture them in stainless steel, or with additional protection using our TevaProt system for the basin of the machine.

For all those installations that require an extremely low noise level, the RGC range can be equipped with silencers, both for suction and when discharging the air.

Standard construction in galvanised steel sheets

With centrifugal discharge fans

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