



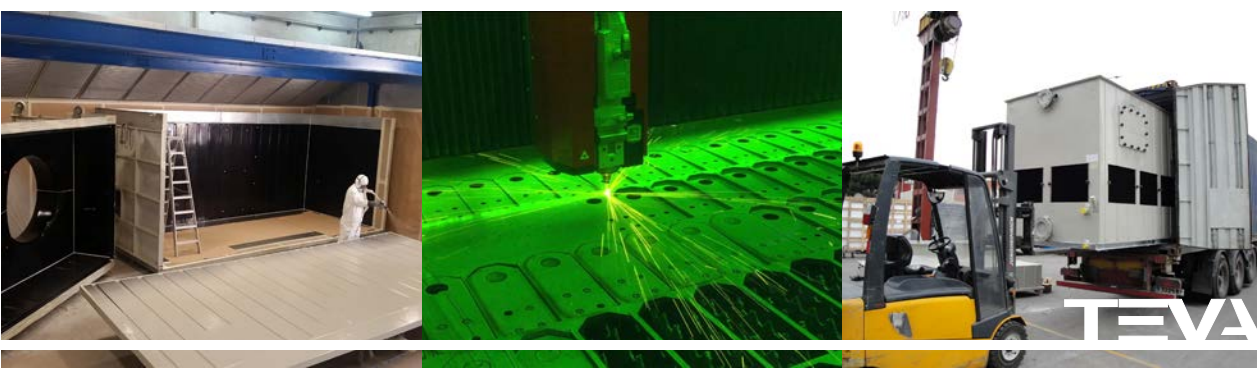
TEVA[®]
TECNICAS EVAPORATIVAS, S.L.

Evaporative condensers

Energy efficiency in cooling plants, especially larger ones, is impossible without evaporative condensers. The way they work, through evaporative cooling, means that lower condensation temperatures can be obtained than with other gas cooling condensation systems.

As with our other evaporative cooling devices, we offer the broadest range of manufactured versions in terms of both manufacturing materials and fan shape.

All of TEVA's evaporative condensers are manufactured under a strict approval process carried out by an independent body, assessing the welders, the welding procedures and the coil unit, for their certification under the current Pressure Equipment Directive.



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.





CVA SERIES

CVC SERIES

CMA SERIES

CGC SERIES

CVA

**Capacity from
125 to 6,000 nominal kW**



Manufactured with self-supporting polyester that is resistant to corrosion

Directly attached axial fans

High cooling capacity with low absorbed power

The main feature of the evaporative condensers in the CVA range is that their entire external surface, exposed to contaminating and aggressive agents, is made of a non-degradable material.

Manufactured using high-quality glass reinforced polyester (GRP), layered in moulds, with a Gel-Coat exterior finish of great strength and internally reinforced to guarantee the highest level of robustness of the structure.

The heat exchange and water gathering section is comprised of a single piece, with no bolted joints to avoid water leaks. The models that make up the CVA range make it possible to reach, in nominal conditions, powers of up to 2,783 kW with a single piece, with R-717 being the refrigerant of choice.

They have been designed specifically to guarantee continuous service over a long life and very low maintenance costs. The sizes of the CVA range make it possible to transport them by container, also making them ideal for export.

The exchange coil, before being hot dip galvanised, is subject to a comprehensive and continuous quality control process, as well as to rigorous high-pressure waterproof testing in accordance with Pressure Equipment Directive 97/23/EC.

CONSUM (EL PRAT DE LLOBREGAT)

1,200 kW



DAMM (EL PRAT DE LLOBREGAT)

8 x 1,100 kW





ARGAL (LLEIDA)
750 KW

CVC

**Capacity from
125 to 2,090 nominal kW**

The main feature of the evaporative condensers in the CVC range is that their entire external surface, exposed to contaminating and aggressive agents, is made of a non-degradable material.

The CVC range includes 40 models with powers from 125 to 2,090 nominal kW, with R-717 being the refrigerant of choice. They can all be transported by road, without special lorries or permits, and have no need for on-site assembly operations.

With centrifugal fans that have a low noise level. 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, the CVC evaporative condensers can be equipped with silencers, both for suction and when discharging the air.

Built with polyester that is resistant to corrosion

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



Evaporative condensers

CMA

Capacity from 117 to 5,025 nominal kW

Their reliability, as well as the suitability of their technology in cooling facilities, has been demonstrated over the more than 30 years that we have been manufacturing evaporative condensers for ammonia and other refrigerant gases in the CMA range.

The range includes 37 models that go from 115 to 4,077 nominal kW, with R-717 being the refrigerant of choice.

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 low absorbed power.

As with all TEVA evaporative condensers, the CMA is subject to a comprehensive and continuous quality and safety control process from the moment its manufacturing process begins, approving both the welding procedure (EN-ISO-15614) and the welders (EN-ISO-287-1).

The exchange coil, before being hot dip galvanised, is subject to rigorous high-pressure waterproof testing in accordance with Pressure Equipment Directive 97/23/EC.



Standard construction in galvanised steel sheets

Axial fans directly attached to an energy efficient motor

CENTRAL MEAT MARKET (MERCAMADRID)

2 x 2,000 KW



LOGISTIC CENTER (MALAGA)

3 x 1,300 KW





SEAFOOD COOKER (HUELVA)

700 KW



FRUIT CONFITURE (VALENCIA)

850 KW

CGC

**Capacity from
125 to 3,090 nominal kW**

The CGC range includes a wide range of powers, with 30 models that can meet the requirements of very diverse cooling facilities.

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 CGC range can be equipped with silencers, both for suction and when discharging the air.

As with all the evaporative condensers coils we manufacture, the manufacturing process and the comprehensive quality control allows us to certify them in accordance with the current European Pressure Equipment Directive.

Standard construction in
galvanised steel sheets

With centrifugal
discharge fans



Evaporative condensers



TEVA - Técnicas Evaporativas, S.L.
Polígono Industrial Can Humet - Pintor Joan Miró 1
Ap. Correos 10 - 08213 Polinyà (Barcelona)

www.teva.es
teva@teva.es
Tel. 34 937 133 573