

Chiller units

T CHILL

Chillers cooling units with air or water condensation



Chillers

Our chillers are realized in order to control fluids and water temperature in productive processes.

In order to guarantee the trust of the machinery, an assistance service has been created.

The units are simple to install and can be easily integrated into existing systems.

We have adopted the most important design criteria resulting in machines which are highly reliable in the long term, very efficient during operation, user friendly and when the need arises, easy to service.

The range of our products covers the entire demand relatives cooling or thermo regulating of producing processes. It comprises: air condensed water chillers, water condensed water chillers, indoor and outdoor installations.

All the machineries are EEC directive compliant.

Capacity

The range comprises units with a cooling capacity from 1 Kw up to 1500 Kw par units.

There are different solution for the range of temperatures from +25°C up to -30°C.

All the chillers can be supplied with free cooling executions in order to save energy.

There are special executions:

Explosion proof Food and diary application Waterproof

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Modular self-contained air cooled water chillers. Three series of units: with one refrigeration circuit and one compressor, two compressors and two independent circuits, four compressors and four independent refrigeration circuits.

In case of water condensation reduced overall dimensions; in most of cases the units can be installed stacked one on top of the other.

For big units High capacity modular water chillers for large centralised plants.

All machines are designed for outdoor installation. Models are available with two or four independent refrigeration circuits.

Main specifications

- Frame and closing panels made of galvanised steel hot painted with polyester powder.
- Modular design providing easy installation in parallel to increase cooling capacity
- Scroll hermetic compressor(s)
- Shell and tube evaporator(s)
- Centrifugal pump
- Pressurised tank
- Finned coil condenser(s)
- Axial or centrifugal fans
- Soft start system providing smooth start of the centrifugal fans
- Microprocessor temperature control

Options:

- a pressurised water tank to provide thermal inertia avoiding compressor(s) hunting,
- a primary water circuit (tank - water pump - chiller - tank)
- a secondary water circuit (tank - water pump - users - tank).

On request:

- Models for hot climates
- Models with integrated free-cooling
- Special voltages
- Stand-by pump

