



PRODUCT GUIDE



Industrial Frigo®

The original Frigo

PRODUCT GUIDE

www.industrialfrigo.com





FACTORY 1

FACTORY 2

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**A LEADING COMPANY
AT WORLDWIDE LEVEL
SPECIALIZING IN
THE PRODUCTION OF
COOLING SYSTEMS**

Thanks to our enthusiasm, our team of experts and our values, we continue to search for perfection

THE ORIGINAL FRIGO

THROUGHOUT THE WORLD

Industrial Frigo emerged in 1970 in Italy, near Lake Garda, thanks to an idea that came from an engineer with a passion for cooling systems. Strong principles and the goal of offering only high-quality products have allowed the company to establish itself as a leader in the creation, design and construction of advanced refrigeration systems.

Thanks to the support of an exceptionally talented team, Industrial Frigo has experienced exponential growth in recent years, conquering ever-wider world

markets worldwide and different production to be able to respond to the specifics that the increasing market requires.

Industrial Frigo continues to be a family-run company but today it includes four foreign branches and a sales and service network in over 60 countries. Continuous research and technological development of environmentally friendly solutions are leading the company towards a new era of ecologically sustainable growth and innovation.



PRODUCTION AND SALE OF CHILLERS



TURNKEY PROJECTS AND ENGINEERING



POST-SALE DIVISION AND ASSISTANCE



ATEX CHILLERS



SPORT AND ENTERTAINMENT

BUSINESS CERTIFICATIONS



EC CERTIFICATION



UNI EN ISO 9001



EAC CERTIFICATION



F-GAS CERTIFICATION



EX 94/9/EC



CHILLERS

Wide range of highly efficient and reliable water chillers with air or water condensation, for indoor or outdoor installation. These units are designed for cooling plastic and rubber processing machinery, but are suitable for use in any industrial process. The air condensation versions can operate in particularly critical environments, with temperatures up to 53°C; the water condensation versions are suitable for modular use with dry coolers or towers.

Available in modular version (for combinations with different units at different times), with internal tank or combinable with external tanks, with scroll compressors, screws or alternative systems.



DRY COOLERS

Highly efficient dry coolers, ideal for dispersing industrial process-generated heat into the external environment, with minimal electrical consumption levels. These coolers cover a vast range of power levels and allow for exploitation of adiabatic cooling if permissible in the specific environmental conditions (by using cardboard or plastic steaming panels). Available in special versions for operating with pure water (without glycol) in maximum safety conditions, even in rigid winter conditions.

Dry coolers are a valid and convenient alternative to evaporative towers, ensuring a noteworthy reduction of both operational costs and water consumption levels.

ENERGY SAVING SYSTEMS

Water cooling systems making use of the potential of one or more chillers and of dry coolers, in order to obtain maximum energy saving with free cooling.

When the environmental temperature is lower than the process temperature, chilled water can be obtained with low energy consumption levels by disabling the chiller compressors and using the dry cooler. Some systems use different cooling units (chillers/dry coolers) while others are available in a compact version featuring an incorporated free cooler.

THERMO-REGULATORS

Thermo-regulation units for precision temperature control in industrial processes such as plastic working, production of pharmaceutical materials or aluminium die-casting. Water thermo-regulators available for temperatures up to 180°C and diathermic thermo-regulators available for temperatures up to 350°C, with one or more operational areas and heating capacities between 3 and 36 kW. The cooling operation takes place either directly, with water from an external cooling system, or indirectly, via a heat exchanger.

Special aluminium die-casting units allow to use water evaporation for precise and effective cooling in up to 18 areas.



THERMO-CHILLER

Temperature control unit for use in industrial processes, featuring an incorporated water chiller, for installation on the machinery. Consists of a thermo-regulator with air or water condensation, for precision temperature control. Suitable for use in various industrial fields such as plastic and metal processing, drink bottling, production of pharmaceutical substances.

Units available with one or multiple areas, with heating capacities between 6 and 24 kW and cooling capacity up to 85 kW.



POLYAMIDE NORMALIZATION UNIT

Special unit for humidification and normalization of polyamide components (PA6 and PA66). Thanks to this treatment, the parts quickly acquire excellent mechanical properties and dimensional stability (in just a few hours), allowing for reductions in production times.

The steamer allows for increased freedom when managing the settings of treatment cycles, such as the temperature (max 90°C) or the duration of each phase of the cycle. A touch screen panel on the machine allows the user to edit and monitor the process settings during each humidification cycle.



AIR TREATMENT

Wide range of units for treating waste air from industrial processes (especially for blown film extrusion systems or in the moulding of plastic materials) or for air conditioning of specific environments. The following are available:

- **Chiller units with air or water condensation**, with one or multiple areas, characterized by high efficiency levels thanks to the choice of high quality components;
- **Special air dehumidification units** with dryer rotor technology, useful for preventing condensation on mould surfaces, thus increasing productivity and reducing the number of discarded workpieces;
- **Air cooling units** characterized by a wide range of cooling capacity levels and air flow rates, totally customizable on the basis of client needs.

ACCESSORIES

In order to ensure a correct installation of the cooling system, it is possible to combine the cooling unit with one or more of the following accessories:

- **Remote panel** to control one or more cooling units from remote;
- **Glycol fillers** to replenish the cooling system with a correct mix of water and glycol;
- **Softener** devices to reduce water hardness and increase the lifespan of internal components;
- **"Y" water filters**, for protection of the cooling unit;
- **Plate heat exchangers** in stainless steel, for separating waste water from the water used in the cooling system;
- **Associated accessories**: automatic bypasses, remote panels, serial ports.





Industrial Frigo®

HEADQUARTERS - ITALY



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USA



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DEUTSCHLAND



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POLSKA



Industrial Frigo

DO BRASIL

HEADQUARTERS - ITALY

SALES & SERVICE ALL OVER THE WORLD



Industrial Frigo®

The original Frigo

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