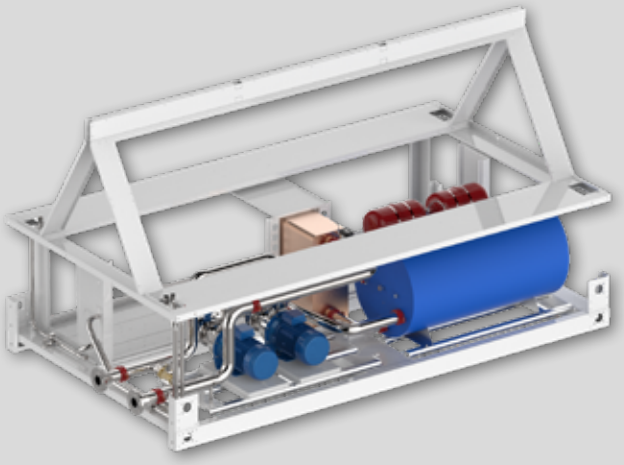
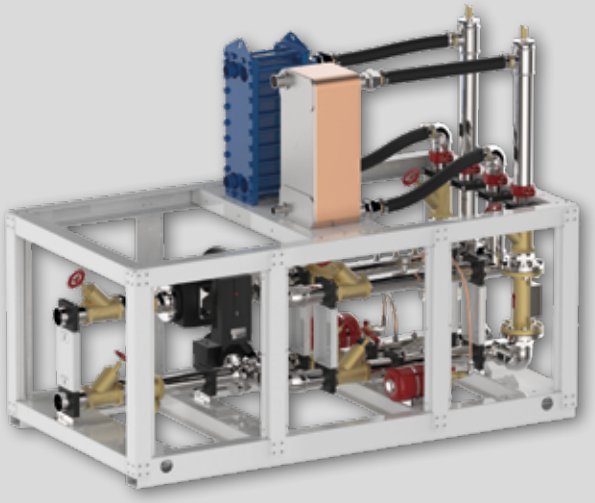
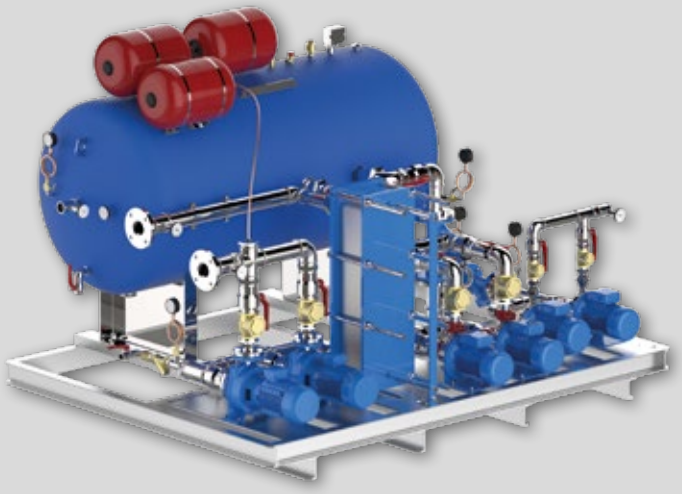
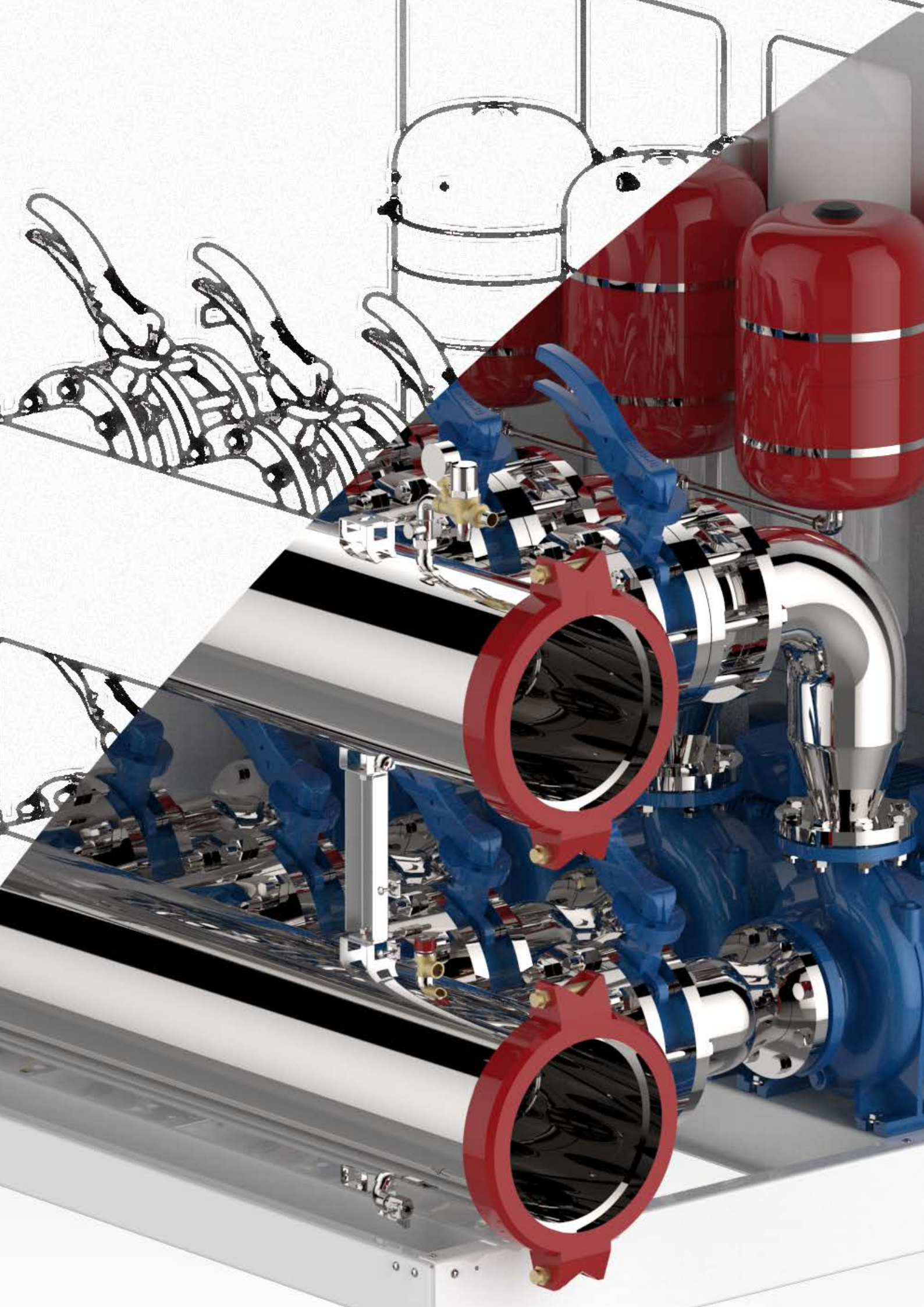
Tailored Solutions









A wealth of innovative capabilities and customized solutions

Since 1979, Fiorini Industries has aimed its development strategy towards an integrated policy of innovation and cutting-edge solutions and technologies, also investing in personalized solutions and customized components and systems.

Today, the company is a reference point for the design and production of thermo-technical products, such as heat exchangers, tanks, heaters, water supply modules and heat transfer units, cooling units, heat pumps, and it is also Europe's top manufacturer of hydronic systems for heating and cooling.

Fiorini Industries is partnered with major industrial groups in the cooling and heating sector, which operate worldwide and for which a research team carries out studies and proposes "customized" solutions, both for products and also processes, while handling all the phases of design, industrialization, and testing.

Fiorini Industries is the select manufacturer of integrated heating, cooling, and hot water production systems in the field of heat exchange high technology, based on the use of renewable sources, such as solar heating, hybrid solar photovoltaic, low-enthalpy geothermal, and conventional sources, as well.

Customized projects for the manufacturers

Constant research and innovative solutions for multinational corporations, which operate in major industrial sectors, have given the company a leadership role in technology and in the market, also extending its presence on an international level.

Our client support ranges from the stages of design and leads to the production of components for complex systems and production processes that include hot and/or cooled water management cycles.

Fiorini Industries has created numerous special projects for public and private clients operating in various production sectors, including the series of pump skids installed in the world's largest aluminum production plant in Saudi Arabia and the hydronic kits created for one of the world's largest gas treatment plants in Abu Dhabi.

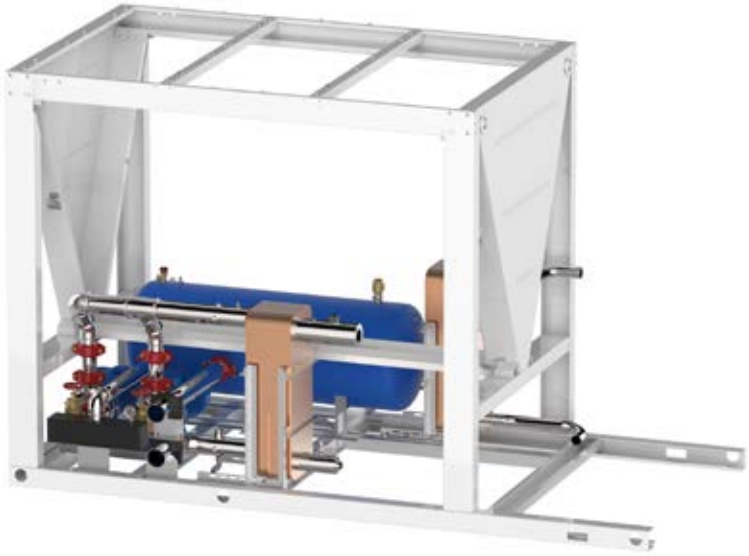
This is also supported by the production in series of many lines of products, such as:

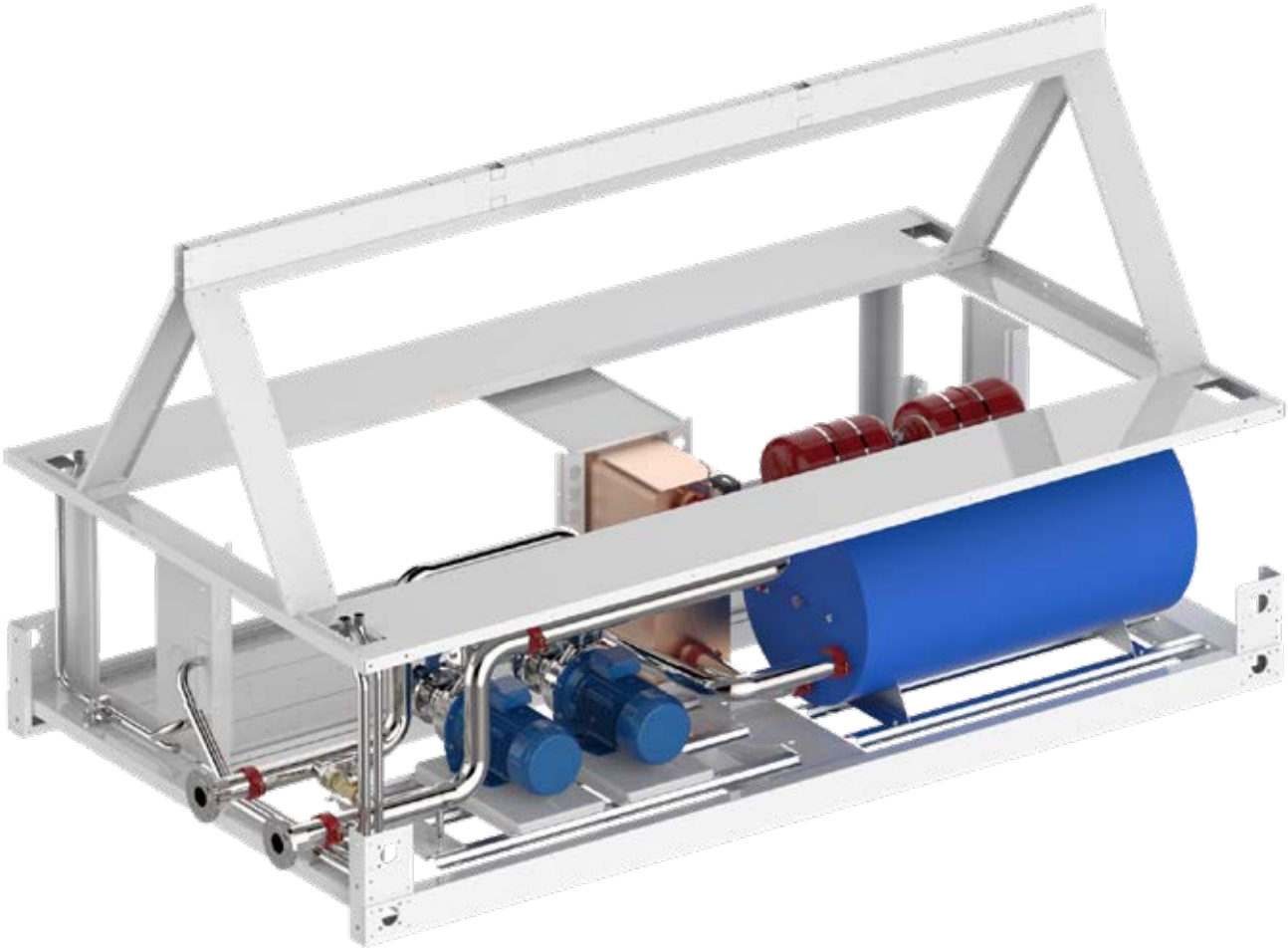
- gasketed and braze-welded plate heat exchangers
- district heating substations
- fast preparation units and instantaneous DHW units
- polyvalent heaters and water storage tanks, heat storage units
- tanks and autoclaves tested under pressure
- heat recovery systems
- hydronic kits for storing and distributing cooled water designed for refrigeration machines, chillers, and heat pumps
- cooled water tanks
- inertial storage tanks

Chiller Integrated Hydronic Kits

Hydronic kits for storing and distributing cooled water, designed to be installed inside refrigeration machines. The company designs and manufactures customized systems upon client specifications and industrialized solutions that are applied within numerous production processes. In addition to the complete solutions shown here, the company also manufactures: collectors, piping, tanks and accessory parts, etc.







Free cooling stations and no-glycol modules

Pre-assembled, factory-tested modules equipped with components selectable according to project requirements. The main variables include:

- Inspectable or brazed plate heat exchanger
- One or more pumps for the primary or secondary circuit, available as single or double pumps, with or without an inverter or electronic regulation.
- Equipped with an electrical control panel for powering and protecting electrical components, with the option for remote control.
- They are designed for plug-and-play integration with chillers, always including electrical and hydraulic connections.

The applications are numerous, ranging from industrial uses, such as chemical and food processing plants, to the cooling of data centers and operational rooms hosting servers and high-performance computing centers requiring refrigeration.

Non-glycol modules are specifically used to separate glycol circuits from water circuits, preventing glycol circulation within the system.



Free cooling stations are equipped with an electromechanical mixing valve for regulation, leveraging free cooling — using external air temperature as a cooling source — for increased efficiency.

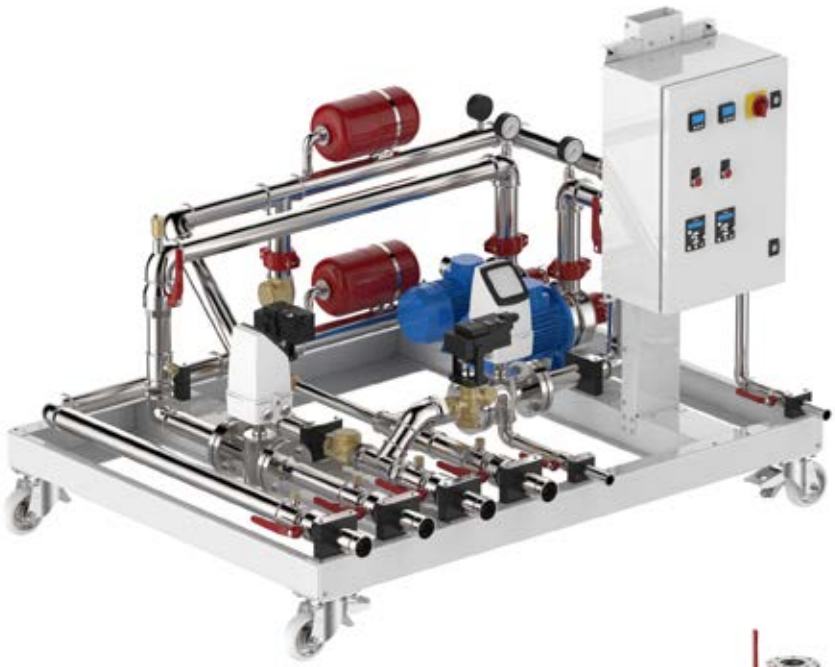




Heat Pumps Test Bench

One of the most qualifying aspects of the company's "custom" design is the large number of stations for hydraulic "chiller" testing for large conditioning systems; produced on manufacturing specifications for major commissioners worldwide. These solutions, designed for testing the end of the factory line, allow the quality assessment of hydraulic and functional water chiller of air and water cooled systems. Each station is produced according to specific functional and insertion requirements within production lines. The testing station in the pictures is designed for a new plant in Malaysia for the production of large air-conditioning systems in key hotels, industrial and commercial centres in the "Far East". Based on specific customer and plant technical requirements, it reproduces operating conditions in terms of water flow rate and operating temperature and is a plant with great testing potential.

Realized in compact monoblock, it contributes to the optimization of space and is functional to integration in this specific production line.



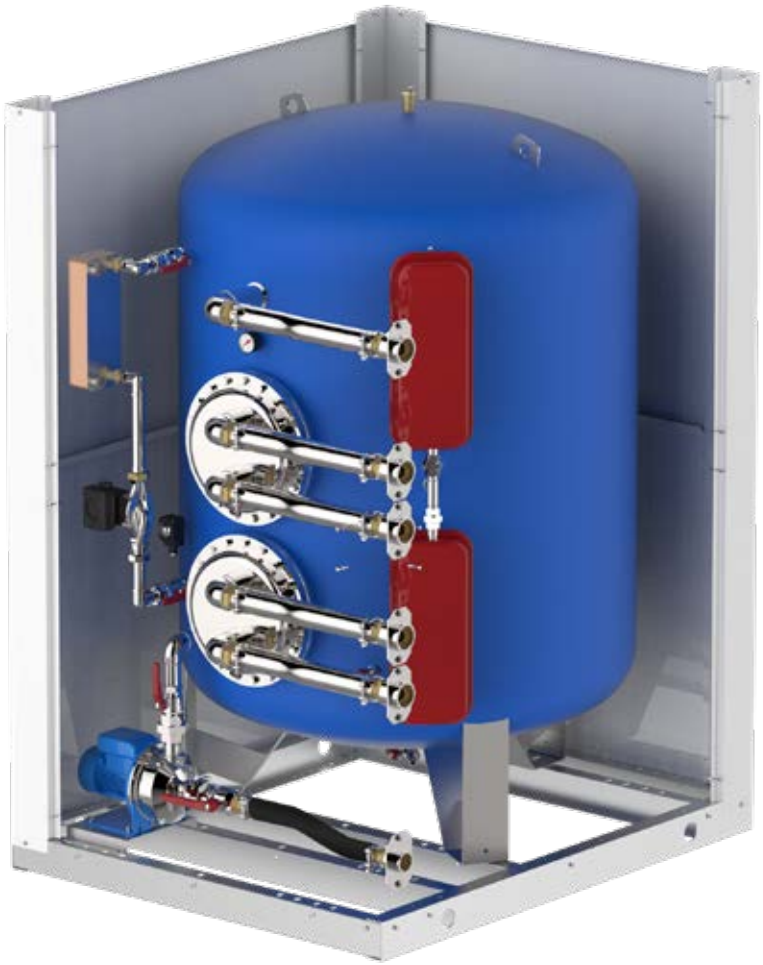


Heat Pumps Test Bench

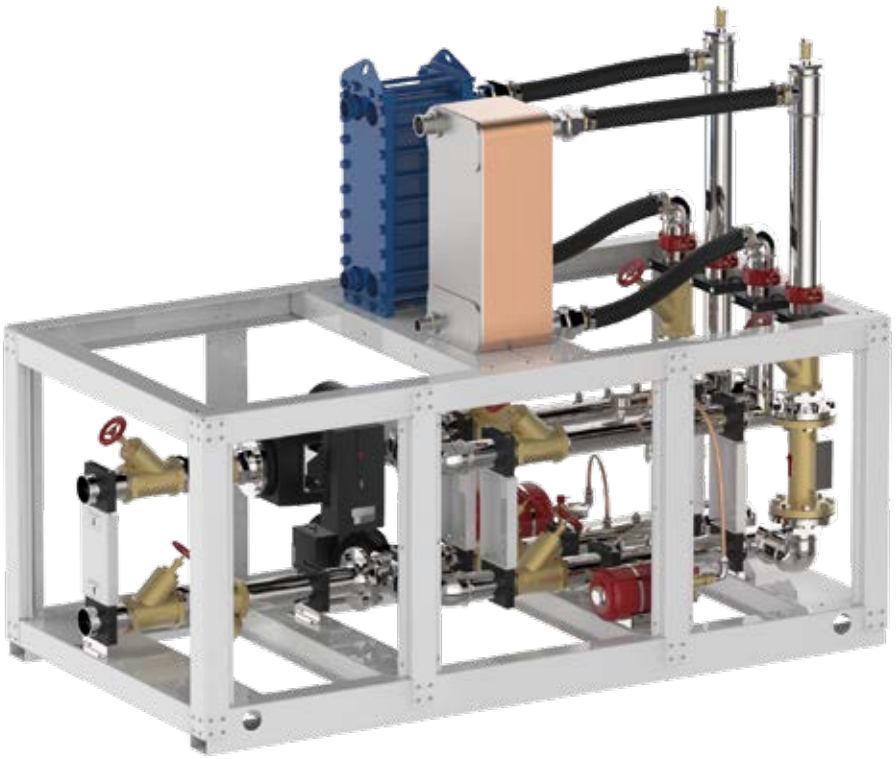




Heat Recovery System

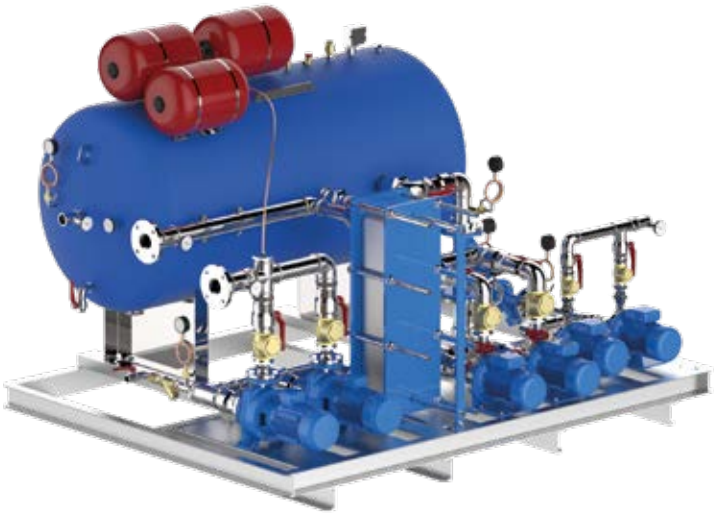


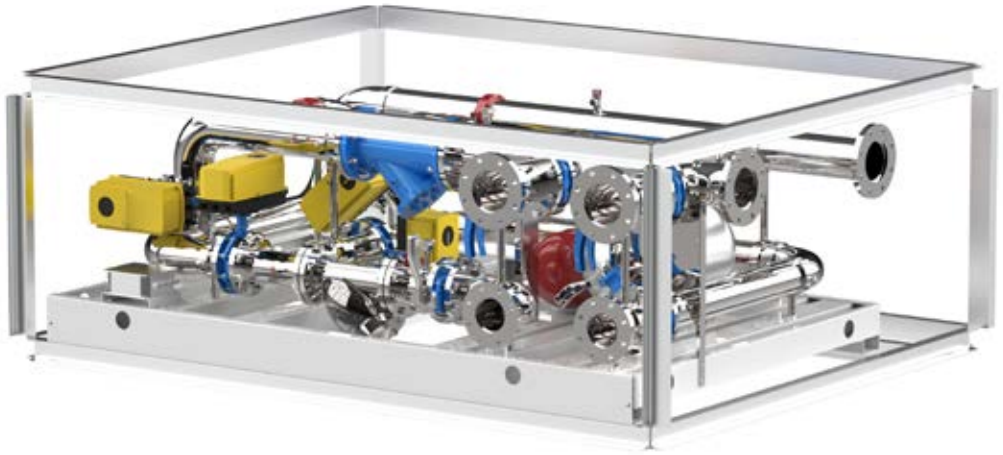
Integrated systems for recovering the heat,developed and not used, by heating plants and production processes. “Extra” heat energy is recovered to heat domestic or non-domestic water and “reused” when required. Designs are customized to meet all customer requests/needs.



Skid

A wide range of solutions for industrial plants and processes.
Small and medium-sized skid systems, equipped with electric panels and, where required, control units, all ready to be installed inside a single system through simple hydraulic and electrical connections.





Glycol Loading Group

The glycol loading groups are fully pre-assembled and factory-tested units designed for the automatic and controlled filling of hydronic systems with water-glycol mixtures. Equipped with an electric pump, expansion tank, pressure switch, and single-phase control panel, these groups ensure precise fluid dosing and quick system startup. The atmospheric pressure tank, complete with a filling valve, level indicator, and drainage system, ensures safe and reliable operation.



Powerful Hydronic Kits

Multiple pumps Hydronic kits for high power applications in heating and cooling plant, to optimize costs for first installation and subsequent maintenance. Pumps can work with on-off logic or driven by inverter.

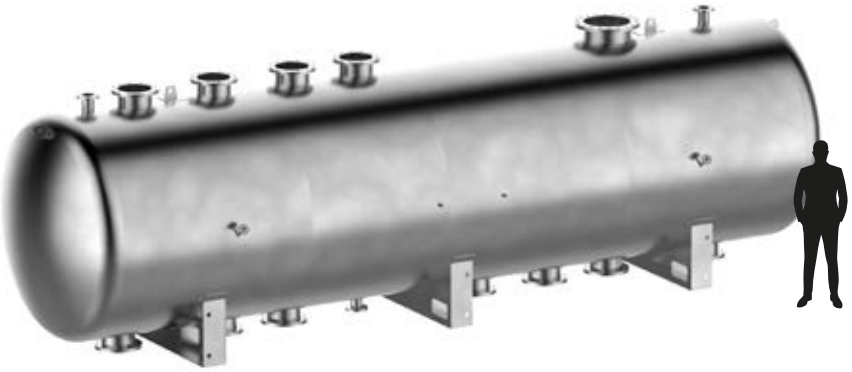




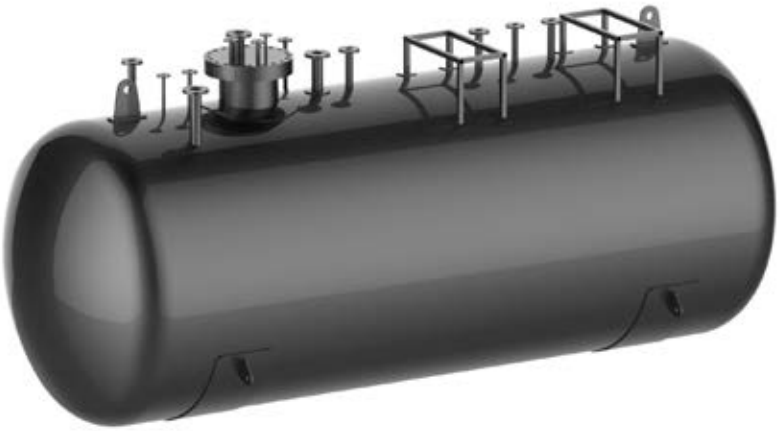


Large-Sized Tanks

Production of large-sized tanks for external or "underground" installation. Available on vertical, horizontal execution and with fullest freedom regarding materials and connections. Can be EC marked, in compliance with Directive PED 2014/68/EU.











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