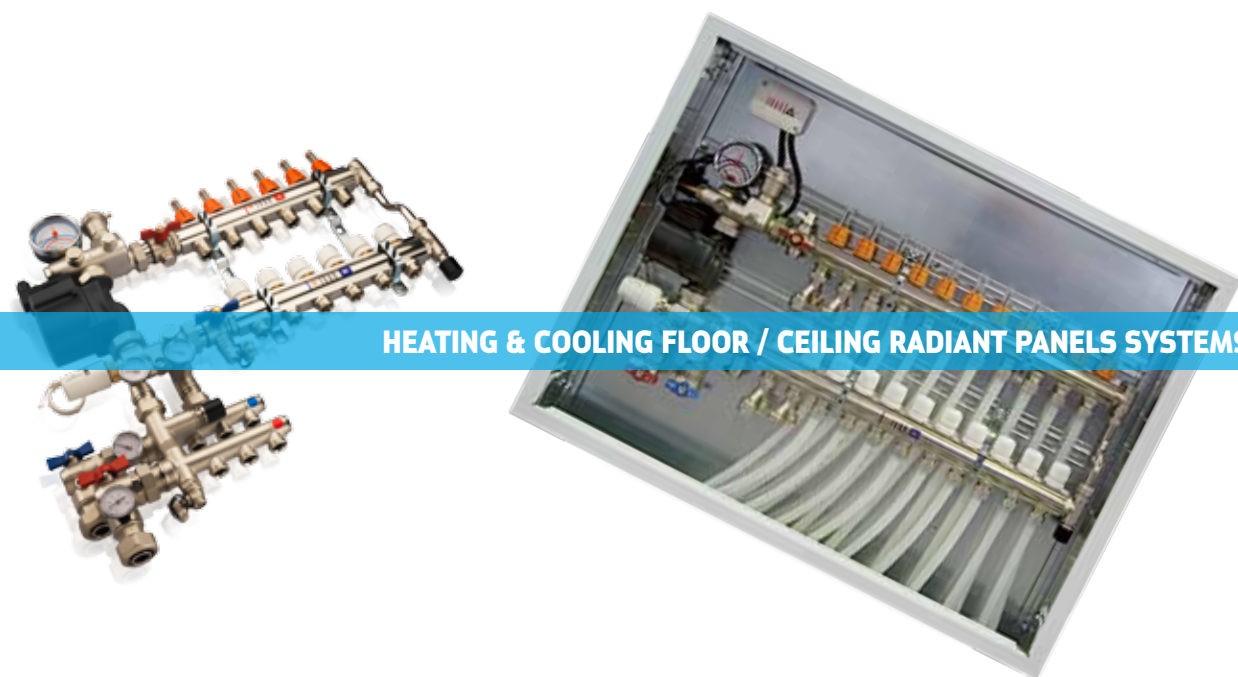
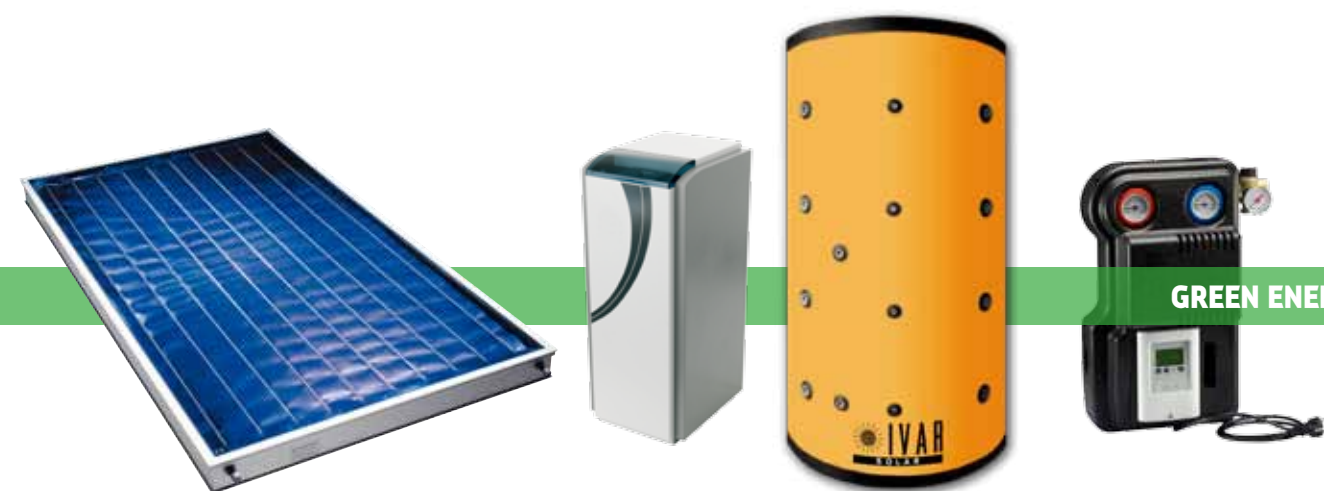


TAP WATER & HEAT METERING / SATELLITE MODULES / HEAT COST ALLOCATION



HEATING & COOLING FLOOR / CEILING RADIANT PANELS SYSTEMS



GREEN ENERGY

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Company

Established in 1985, IVAR represents a growing business that focuses on the production of components for heating and sanitary systems. The range of items is very large and complete: more than 10.000 standard products and 5000 OEM products. The IVAR Group already employs more than 300 people, has a turnover of more than 100 million €, branches in 10 countries and clients all over the world.



Design

Our market surveys and the demands of our most qualified customers are translated into new products by a modern and efficient engineering department which relies on the latest generation of software and technology. Thanks to its systematic use of 3D mechanical drawing and advanced CAD/CAM systems, IVAR is able in designing internally and autonomously all the new products as well as the machinery and equipment necessary for manufacturing them.



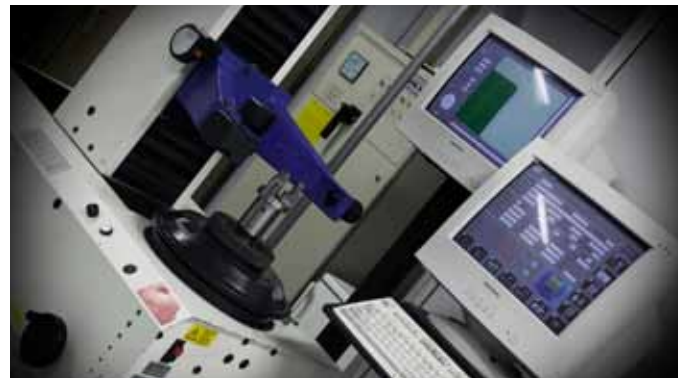
Research & development

IVAR is highly active in the field of research & development as it seeks out innovative products, production processes and technologies that can improve the quality of its items. A modernly equipped laboratory for mechanical, thermal and fluid-dynamic tests is of great aid to project engineers intent on developing and engineering prototypes or meeting the requisites of standards that will bring product certifications. In this laboratory, products are also subjected to fatigue tests in variable torque, temperature and pressure conditions to ensure long-lasting performance and investigate further into the quality of the materials used. Complete working systems are set up in the laboratory to achieve a practical simulation of the typical conditions in which our products are used and directly assess aspects that are sometimes considered marginal but are actually very important, such as practicality and simplicity of installation and maintenance.



Production

In its present production facilities, IVAR carries out all the processes necessary for the manufacture. Bars of brass complying with strict UNI-EEC standards are the raw material used. The bars first undergo a hot-pressing treatment in the factories of the subsidiary firm Valmon Stampati S.p.A., followed by mechanical processing with CNC TRANSFER machines. The processing of all products like manifolds, which are instead directly obtained from the drawing bars, includes an extended thermal treatment in a special oven. After undergoing the conventional surface treatments – nickel or chrome plating – the parts are sent off to the final assembly line, this one is left up to automated and robotized processes that guarantee maximum productivity and maximum quality at the same time. During the assembly phase and before being packaged, all the products are subjected to a series of tests to ensure that they meet their individual specifications.



Quality

The attention to quality is manifested in every phase of the production process. IVAR takes special care when choosing the raw, semi-finished and expendable materials used in the manufacture of its products. This aspect, guaranteed through a constant and painstaking search for qualified and carefully appraised suppliers, and the training and enhancement of human resources represent the foundations on which IVAR has built its quality policy. The entire production process, from the brass hot-pressing processes to dimensional checks and the packaging of the finished product, relies on innovative machinery and equipment using state-of-the-art technology. In a modern lab technicians use traditional control systems and moreover optical and electronic systems which carry automatically out high-precision dimensional checks on all the items manufactured as well as on the tools used to process them. The automation of the whole production chain has furthermore allowed all processes to be strictly monitored to ensure a high standard of quality that remains constant over time. IVAR guarantees, in particular, that all of its products are tested under pressure with electronic equipment capable of detecting even infinitesimal leaks.

Certifications

Company certifications

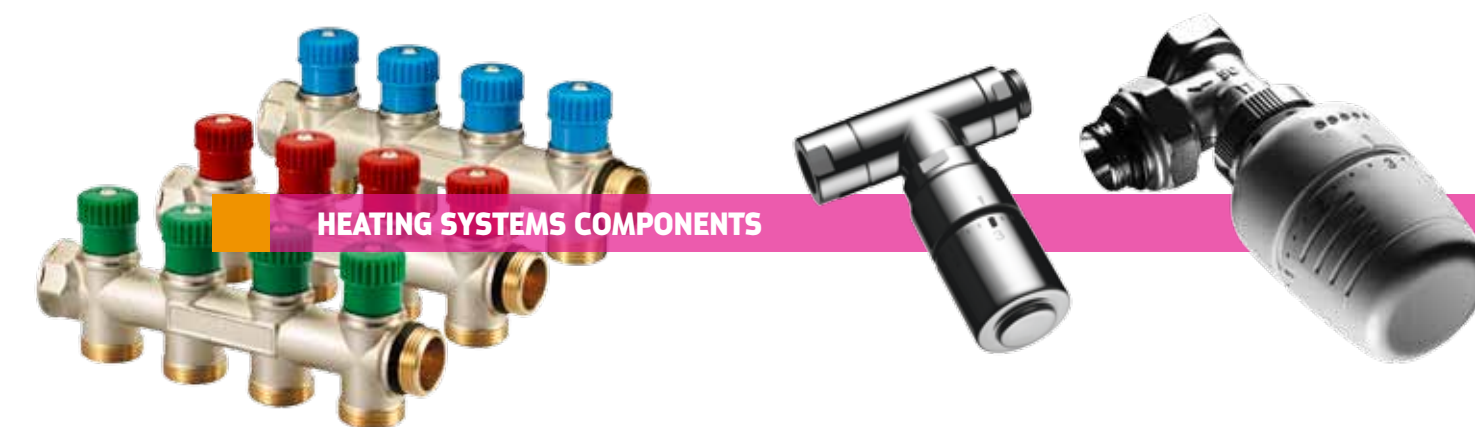
IVAR devotes special attention to the quality of the materials, components and services supplied and to the professional abilities of its staff in order to comply with the applicable UNI technical standards (harmonized and national standards). After its quality system was certified in conformity with standard UNI EN ISO 9002 in 1997, IVAR decided to include the engineering phases within the framework of its organization, obtaining UNI EN ISO 9001 certification in 2000 and the environmental certification ISO 14001 in 2008.

Product certifications

All the valves and thermostatic heads IVAR manufactures are certified and marked in conformity with standards UNI EN 215 – part 1st and UNI EN 215 – part 2nd. The other most important certified products are safety groups, anti-pollution no return valve and pipe/fittings systems.

Environment

This industrial facility is in harmony with the surrounding context and the production processes taking place there have no negative impact on the environment. The photovoltaic field is composed by 5.020 panels for a power of 403 kW. Thanks to the 450.000 kWh produced per year by the plant, there is a reduction of CO₂ emission of 300.000 kg per year. Furthermore, the geothermic plant reduces additional 133.000 kg of CO₂ emission per year.

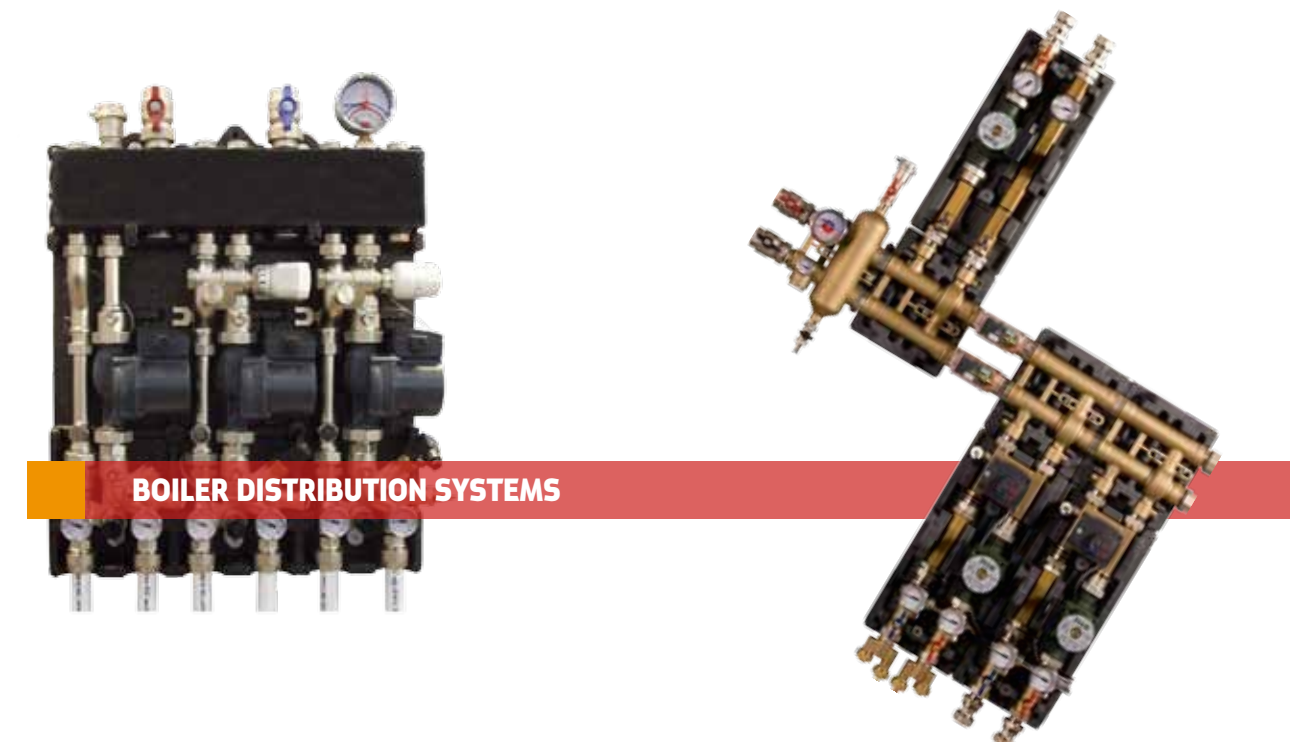


HEATING SYSTEMS COMPONENTS



PIPE AND FITTINGS

MADE IN ITALY



BOILER DISTRIBUTION SYSTEMS