

Euroklimat & Politecnico di Milano

TOGETHER TO TEST THE THERMODYNAMIC PROPERTIES OF NEW HFO REFRIGERANTS.

We are pleased to announce that **Politecnico di Milano** and **Euroklimat** have been protagonists this year of a fruitful collaboration for the construction of a prototype to test the properties of HFO refrigerants.

The project, which is part of a wider context of European calls to boost this kind of research, has witnessed the participation and collaboration of many partners including **Euroklimat**.

The preliminary design phase of the prototype was carried out by two young students from Politecnico di Milano Energy Department: R134a was used as design fluid for preliminary sizing of the machine, subsequently the components were verified at higher pressures, typical of R32 as working fluid.



Control, mechanical design and assembly of the machine were carried out by **Euroklimat**, with the participation of the various business functions that worked together enthusiastically with the purpose to optimize the construction of the prototype. This phase of the project has just come to an end and the machine has been installed at the Department of Energy of the Politecnico di Milano: in this laboratory tests aimed at defining the thermodynamic properties of the new generation HFO refrigerants will be carried out.

We are proud of being part of this project and we really appreciated to collaborate with one of the most prestigious universities in our country: we firmly believe in the need for fruitful exchanges between companies and research institutes and we thank **Politecnico di Milano** for the opportunity offered to us.

For further information and/or technical details, don't hesitate to contact us at info@euroklimat.it