

CASTEL REFRIGERATION TEST FACILITY

Envisage, design and testing valves for refrigeration in a technologically advanced and innovative environment capable of replicating the real operating conditions of refrigeration systems, is the reason why the Castel refrigeration test facility was born.

Developing ideas and innovation makes sense only if you have the possibility of being able to count on the skills and on a dedicated environment where you can test the products. It is precisely this reason that prompted us to create this Area. We immediately believed in the opportunity; to create a test and sharing environment together with our customers and all Castel's technicians. Within this area, synergies are created and strengthened between people and useful ideas are born to develop innovation.

In an area of about 200 square meters, 3 different systems have been recreated, installing all types of refrigeration equipment on which Castel products are present. The systems installed create the ideal setting for applying solutions and testing the components in the way that is closest to the reality of the installer. Inside the test area there are three plants operating with three different types of refrigerant, starting from R449A through to R744, including R452B, in order **to test the products for the three Castel product families** (Classic, Polyhedra and Go-Green). In the same area, in addition to the power plants, there are two medium and low temperature cold rooms, a medium temperature display unit and a low temperature closed cabinet, as well as an ice-making machine.

Thanks to this variety of different cooling units and the availability of power plants, it is possible for us to study the behavior of our components when deployed with ever new and increasingly challenging refrigerant fluids.

This special state-of-the-art laboratory is open to **the possibility of testing by all our partners and customers**, not only for the testing of innovative valves or components, but also for con-

trollers and electronics of all brands on the market. Castel's particular imprint on innovation and collaboration with customers is realized with the shared testing phases, on the validation of products directly in the field and on the training and updating of all Castel's technicians.

This way of thinking about the creation of **"final installation friendly"** components strengthens the indispensable synergy between supplier and customer, strengthening the necessary proactive relationship that creates the environment for common growth and underlining the spirit and philosophy of the whole Castel group.

