# **CRN448**



### NEGATIVE COLDROOM



#### Experimental capabilities

- Identification of the components of a negative coldroom system
- Power on, use and settings
- Study of the basic concept of a R448A installation
- Setting of equipment at compression level, hermetic piston compressor, heat exchange, powers, performances coefficients.
- Study of thermodynamic cycle on enthalpic diagram.
- Study of regulation
- The system has an industrial rendering

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#### **Operating principle**

The negative refrigeration unit allows the study of a negative refrigeration system. The system includes all standards components such as compressor, condenser, regulator, evaporator, bottles, pressotats.

The system comes completes, assembled and functional. Students will be able to work on components identification, commissioning, adjusting and checking for proper operation. They will also able to recover the fluid and load (requires tools not

provided with the unit).

The robust design of this equipment makes it perfectly suited for use in schools.

Its anodized aluminum structure on wheels makes it extremely robust as well as great flexibility of integration into your premises. The manufacturing of this equipment meets the European machine directive



Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

- Fluidic diagram :
- Enthalpic diagram
- Certificate of conformity CE

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