## 40% SAVINGS FOR SYSTEMS

## LOW BAR MODE

## MultiCool + \*

## Benefits of using a PLC controller

The benefits of using a PLC in chillers manufactured by IGLOO can be even greater. When using electronic expansion valves in target devices, it is possible to activate the **Low Bar Mode** in the chiller. It is a function activated from the service technician's level, which, when activated, automatically decreases the condenser pressure when weather conditions are favorable. When the ambient temperature decreases (most often during autumn to spring and on cool summer nights), **the pressure setting drops from sixteen bars to seven bars** (default setting; this parameter can be edited). **This reduces electricity consumption by approximately 40%.** 



Features that make electronic expansion valves better than thermostatic valves:

- Compatible with all types of coolants, and a very wide range of cooling capacities.
- Precision in modulating the coolant flow; The mechanical feature of an electronic expansion valve, which allows a wide range of performance adjustment, is the large nozzle stroke, which reaches tens of millimeters or even more: this makes the controls more precise and even better than with
  - the use of traditional thermostatic valves.
- Microprocessor control: Electronic expansion valve controlled by a microprocessor, which acts both as a sequence generator for individual operating steps, and functions as a smart device that determines the current amount of coolant injected into the evaporator.









