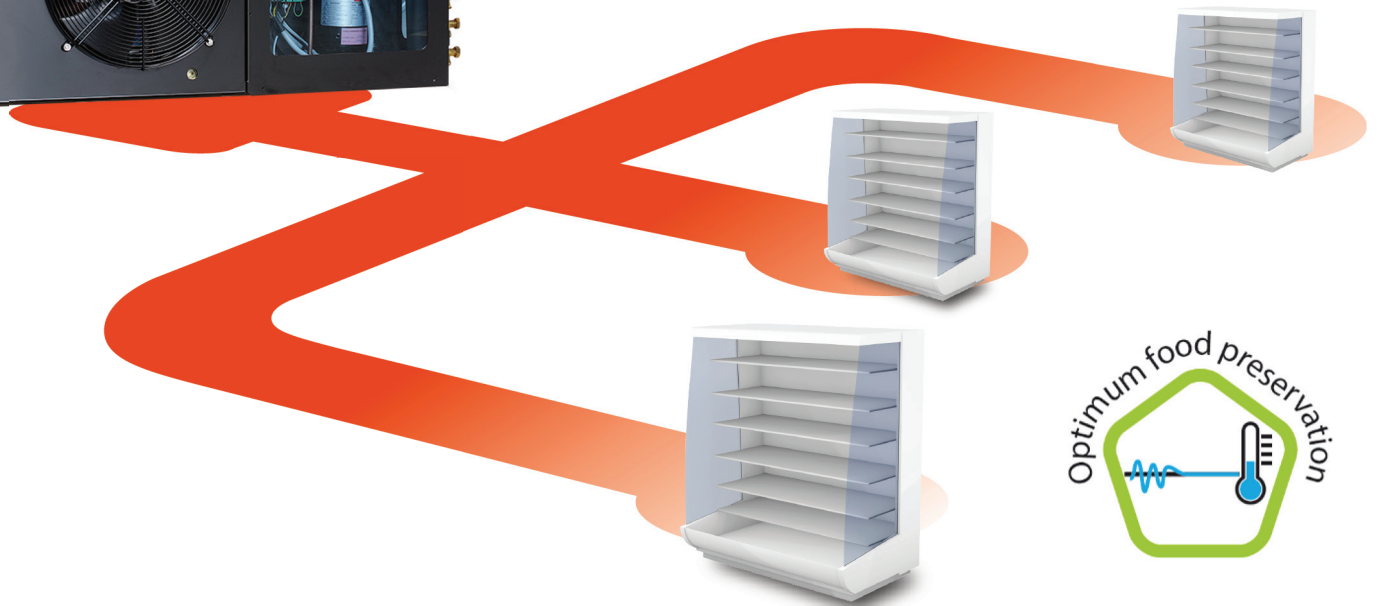




MiniPLEX



“WHETHER YOUR FOCUS IS ON BUDGET OR ENERGY EFFICIENCY, WE HAVE THE RIGHT SOLUTION.”



MINIplex OVERVIEW

MiniPlex is a range of condensing units, based on the Carel MiniPlex, designed specifically for convenience stores. The system sets the focus on high energy efficiency, low running costs and low environmental impact, in order to achieve maximum levels of energy classification.

CONTACT

Tel +27 11 462 2130
Email sales@insulated.co.za
Visit our website www.insulatedstructures.co.za



RELIABILITY

The compressor(s) in the MiniPlex units are managed by a series of software functions, which ensure optimal return of oil to the compressor. The serial communication with the showcases further allows for actions to be taken directly at the evaporator for optimal oil management.

HIGH ENERGY EFFICIENCY

- BLDC Compressor
- Electronic expansion valves
- Serial communication with the showcases, providing real time information about the operation of each evaporator

HIGH QUALITY FOOD PRESERVATION

Excellent temperature stability through:

- Variable speed of the compressor
- Proportional electronic expansion valve
- Continuous modulation of the superheat set point

EASY SETUP AND EXTREMELY FAST COMMISSIONING

- Fast condensing unit configuration using the wizard start-up procedure.
- Pre-setting of the main unit parameters, such as set point and alarm thresholds, based on the selected type of refrigerant.
- Pre-setting of the probes that are essential for control in each type of application thanks to automatic pre-configurations and simplified service menu.
- Fast commissioning with default configuration for connection between condensing unit and showcases.
- Automatic pre-configuration of Floating Suction and Oil Recovery Washing function.
- Optimised and extensively modifiable default values.
- Control parameters optimised for showcases fitted with MPXPRO controllers.

CONTACT

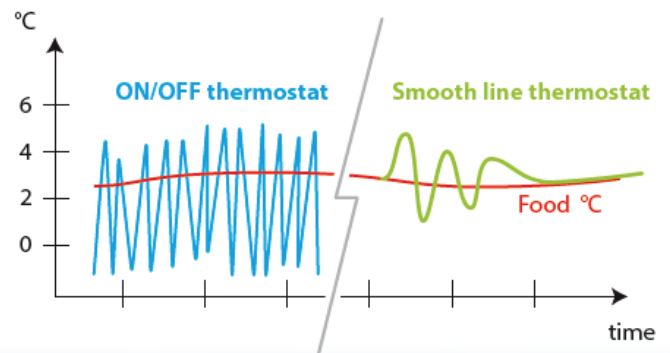
Tel +27 11 462 2130

Email sales@insulated.co.za

Visit our website www.insulatedstructures.co.za

MULTI-SPLIT

MiniPlex units are offered in a multi-split configuration, which is recommended due to the importance of piping in oil return to the compressors. This system uses small diameter piping, the same size in all suction lines that flow into the same manifold. In operating conditions where the compressor works at a low speed, this design assists oil return to the compressor. The small diameter moreover allows the use of pre-insulated piping, saving on installation costs.



MiniPlex operation constantly reflects the demand of each unit connected, adapting dynamically to real conditions (floating suction and floating-condensing).

The expansion valves on the units adjust refrigerant flow, and the MPXPRO controllers minimise fluctuations in temperature even in the most critical stages, such as when defrosting or in response to variations in load.

