

Use Case

# Sustainable and space-saving

Regional food retailer uses compact  
CO<sub>2</sub> refrigeration technology for  
environmentally friendly cooling



## Background

A regional food retailer that is characterised by freshness and quality has implemented innovative CO<sub>2</sub> refrigeration technology in several shops. The aim: to ensure the high standards of freshness and sustainability.

## The Challenge

The company was looking for a reliable and environmentally friendly cooling system that would take up little space and be easy to install. It also had to be possible to integrate it into ongoing operations without the need for costly structural changes. The system had to utilise the limited space efficiently and at the same time support the company's sustainability goals.

## The Solution

The company chose the \*carbo-Box, a compact outdoor cooling system that saves valuable interior space and is easy to install. Thanks to its plug-and-play design, the system could be put into operation quickly. Equipped with a frequency converter, it enables precise control and works efficiently under a variety of conditions.

The \*carbo box reduces the ecological footprint and makes it possible to expand the sales area without interfering with the existing refrigeration circuit. With this solution, the company is supporting its sustainability goals and optimising its operating processes.

### carbo-Box

CO<sub>2</sub> gas cooler set – not only  
for small food retailers

#### Application

- Food markets
- Petrol station shops
- Bakeries
- Butchers



## Simple „plug & cool“

### Cooling update for a range of application

The \*carbo-Box is a compact and environmentally friendly CO<sub>2</sub> refrigeration system that impresses with its high efficiency and easy installation.

Perfect for applications in small food markets, 24/7 shops, bakeries, butchers, or for expansion of existing systems. \*carbo-Box is available in different power levels.

## Technical Data



LT

**9.0 - 21.8 kW**

at t<sub>0</sub>/t<sub>g</sub>= -30/+35°C

MT

**6.9 - 21.7 kW**

at t<sub>0</sub>/t<sub>g</sub>= -5/+35°C



Receiver volume

**32 - 49 Litre**

as a function of total output

**24/7**  
Plan cooling  
solutions

**smartR-tool**

The online configurator for the compact CO<sub>2</sub> standard products \*carbo-Line and \*carbo-Rack

- Plan cooling solutions 24/7
- incl. price information\*, flow chart, technical data
- fast & flexible quotation creation\*



[www.compact-kaeltetechnik.de/smartR-tool](http://www.compact-kaeltetechnik.de/smartR-tool)

\* Registration required. Activation can take up to 48 hours once, then can be used without restriction.

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