

CO₂ Gas cooler unit **carboX**

The **carboX** series is perfectly suited for normal cooling from 10 to 20 kW. (Deep-freezing on request).

carboX uses the environmentally friendly refrigerant CO₂ with a GWP of 1. All cooling requirements can be met safely, efficiently and in compliance with all the applicable standards and laws.

carboX doesn't require any pipe work in sections with 120 bar. This makes installation on site very simple. Liquid and suction lines operate at a pressure level of 52 bar.

carboX is designed for outdoor installation. This gives you more space inside the building.

carboX is provided with a frequency inverter on the compressor. The gas cooler is controlled by EC fans. Sub- and transcritical conditions are handled safely and efficiently.

carboX is a complete plug-and-play system, including controller and safety devices. This allows you to use the CO₂ technology in a easy and secure manner.

Application

- ✓ Small food markets
- ✓ Shops at petrol stations
- ✓ To extend existing systems

User-friendly

The optimised housing size allows safe installation, even under restricted installation conditions.

Gas cooler as well as high and medium pressure valves are already installed before delivery. This eliminates the need for piping work in the high-pressure range.

The control cabinet, including the compressor and gas cooler control is located within the housing.

Benefit from the well-thought arrangement of components and save time during maintenance and installation.



Safety

- ✓ Safety valve (120 bar) installed ready for operation.
- ✓ Stainless steel pipes for maximum stability and machine safety, at all pressure levels. K65 adapters may be mounted for easy one-site assembly.
- ✓ The large liquid receiver ensures safe operation throughout the year.

Performance data medium temperature

Medium temperature at -10 °C / 38 °C / 70 Hz

| ⁺ carboX | 33 | 48 | 65 |
|------------------------|-------------------|---------|---------|
| Cooling capacity | 8,8 kW | 12,8 kW | 16,5 kW |
| Power consumption | 5,7 kW | 8,3 kW | 11,3 kW |
| Gas cooler capacity | 14,5 kW | 21,0 kW | 27,8 kW |
| Max. operating current | 12 A | 17 A | 22 A |
| Weight | 304 kg | 310 kg | 320 kg |
| Sound pressure level * | 45 dB (A) in 10 m | | |

* temporary value

