

A photograph showing a kitchen environment with several large, white, industrial refrigeration units. A man in a white shirt and brown apron is seen from the side, reaching into one of the units. The units have silver handles and a control panel on top with a digital display.

GreenBox-Multi

CO₂ cooling system for cooling, freezing and deep freezing

Choose for the future with the GreenBox-Multi from KOMA. An advanced CO₂ installation, specially designed for multiple temperature levels. This innovative mini-booster provides an efficient and sustainable solution for 2 to 7 installations.

FEATURES:

- Minimal environmental impact thanks to **CO₂** refrigerant
- Save up to **30% on energy costs**
- Eligible for subsidy program
- **No F-Gas and PFAS restrictions**
- Advanced capacity control ensures reliable operation (2 to 7 installations)
- Unmatched versatility: cool, freeze, and deep- or shock-freeze up to **3 temperature levels simultaneously**
- Compact design
- Heat reclaim (optional)



AVAILABLE MODELS:

Framesize	2x2
Number of MT compressors	2
Number of LT compressors	1-2
Max. capacity MT (kW)*	45
Max. capacity LT (kW)*	39
Liquid receiver capacity (L)	2x49L

*All capacities are calculated at -5°C MT, -25°C LT and 36°C gas cooler outlet temperature.

Technical specifications

Voltage	400V-3-50HZ or 230V-3-50HZ
Weight	1.100 kg
Dimensions (LxWxH)	184x80x193 cm or 220x89x198 cm (with NRE)
Suction connection	max. 1 1/8" - 28 mm
Liquid connection	max. 3/4"
Technology	CO ₂ transcritical with dynamic capacity
Refrigerant	R744 (CO ₂)
Cooling pipe	K65 (copper)
Controller	Carel

APPLICATION RANGE:

- Cooling: -5°C, 2-45 kW
- CDS/REC: 3-39 kW
- Freezing: -25°C, 3-39 kW
- Shock freezing: -40°C, 2-21 kW

STANDARD EQUIPMENT:

- 2x1 or 2x2 compressor configuration
- Capacity controllers on the main compressors
- Filter dryer
- Overpressure protection

DESIGN PRESSURE:

- High pressure: 120 bar
- Receiver: 60 bar
- MT suction pressure: 45 bar
- LT suction pressure: 30 bar

OPTIONS:

- Heat recovery module with three-way bypass
- Energy meter kit
- Noise-reducing enclosure for outdoor installation
- Low-noise gas cooler

Extensive factory tests ensure quick commissioning of both pressure and electrical installations.

Documentation and manuals comply with legal requirements.

CE marking according to EU regulation PED 2014/68/EU.



GreenBox-Multi with NRE.

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