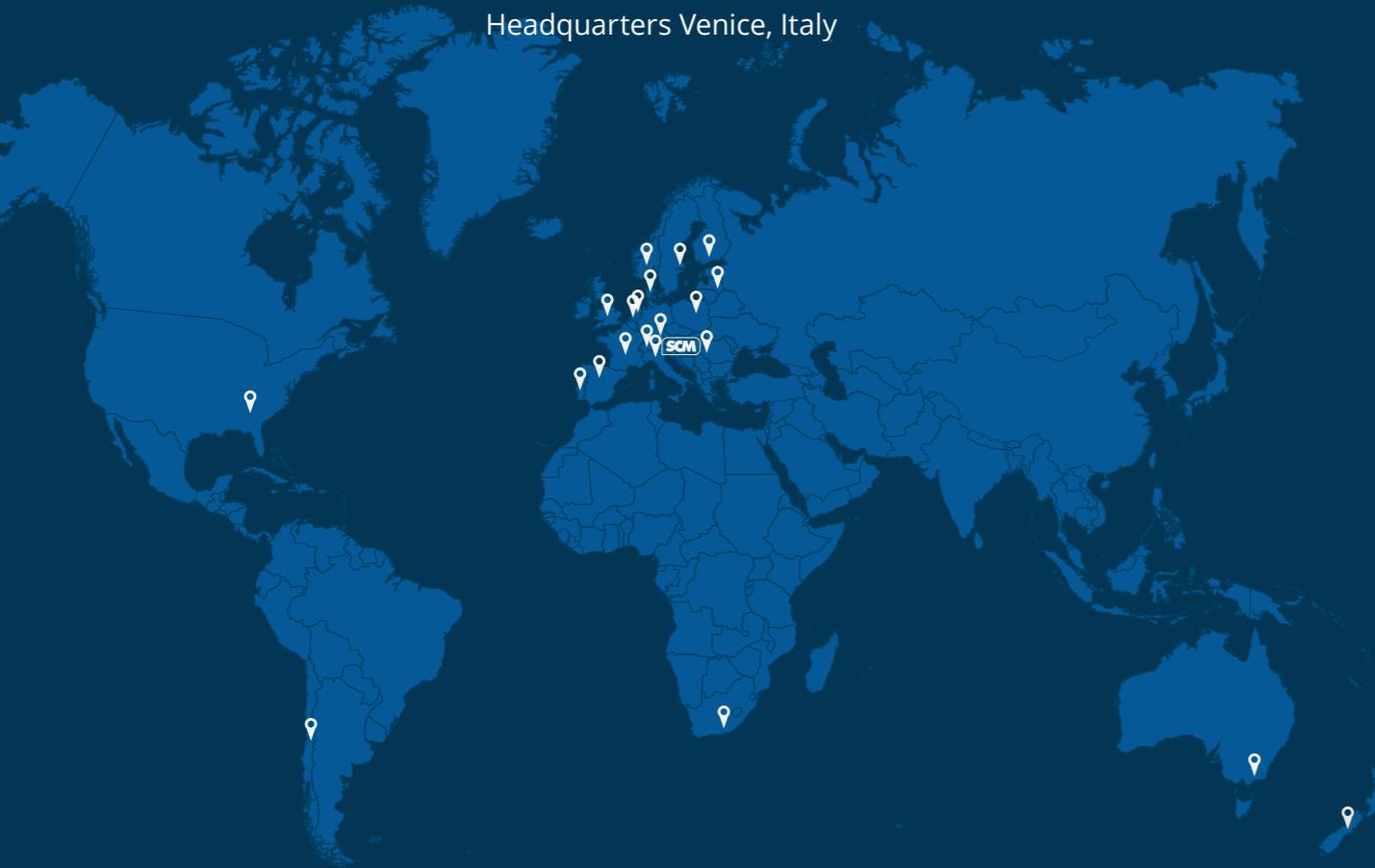


# SCM Frigo Around the World

A Global CO<sub>2</sub> Leader

Headquarters Venice, Italy



## Why CO<sub>2</sub>?

Natural Refrigerant  
R744 (CO<sub>2</sub>)

- Zero ODP (Ozone Depletion Potential)
- Ultra-low GWP (Global Warming Potential = 1)
- Energy-efficient in most climates
- Non-toxic, non-flammable
- Compliant with F-Gas regulations
- Ideal for commercial & industrial applications



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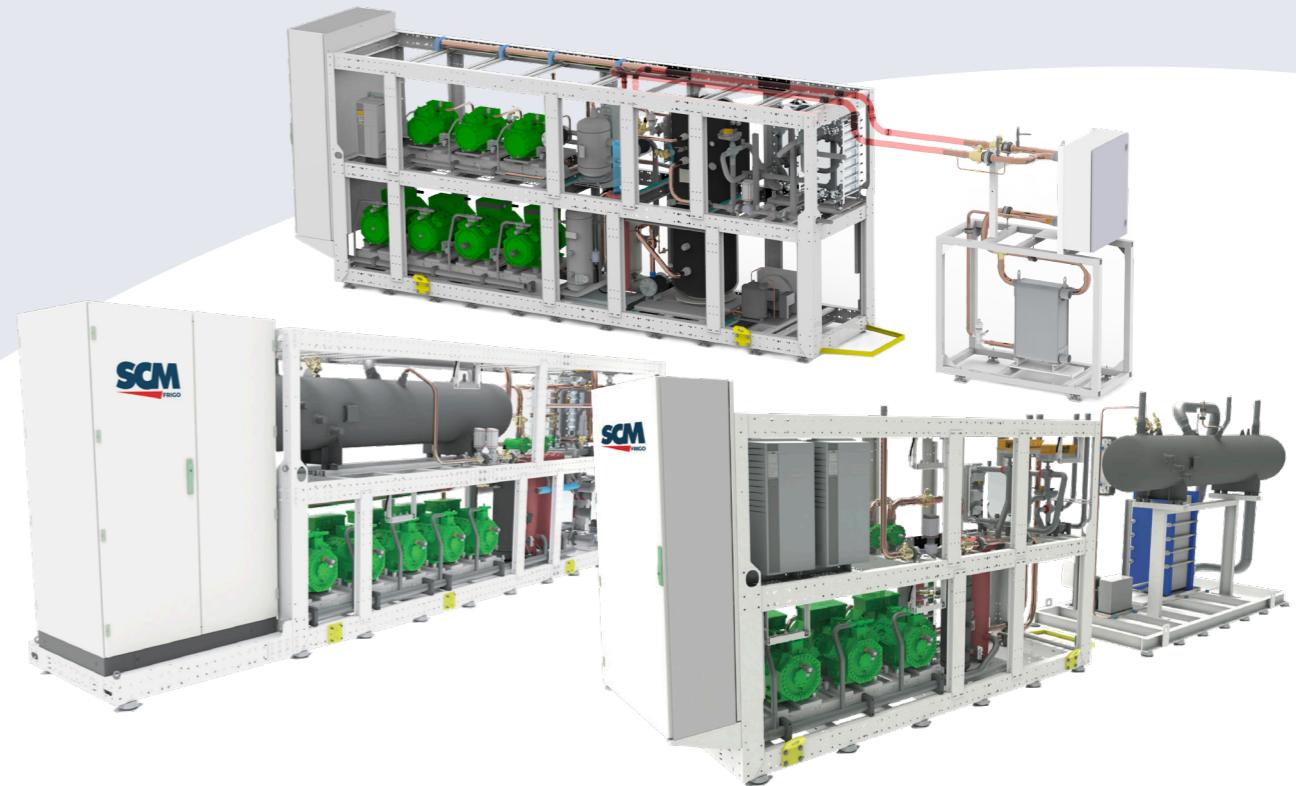
A [BEIJER REF](#) Company



SUSTAINABLE COLD SOLUTIONS

**CHILLER**

## TRANSCRITICAL CO<sub>2</sub> CHILLER RACK



### Main Advantages

HIGH ENERGY EFFICIENCY	PLUG-AND-PLAY INSTALLATION	WIDE CAPACITY RANGE
COMPACT AND MODULAR DESIGN	SUSTAINABLE AND SAFE REFRIGERANT	OUTDOOR INSTALLATION READY

We know the art of achieving  
a perfect temperature

**BEIJER REF**

# TRANSCRITICAL CO<sub>2</sub> CHILLER RACK



## CHILLER COMMERCIAL

Capacity Range ONLY MT 73-425 kW

CO<sub>2</sub> transcritical commercial chiller with flooded evaporator for medium temperature.

Suitable for Glycols and non corrosive brines.

8 models from 2 to 6 compressors.



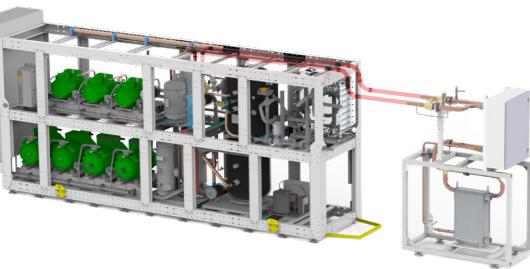
## CHILLER INDUSTRIAL

Capacity Range ONLY MT 229,2-451 kW

CO<sub>2</sub> transcritical industrial chiller with flooded evaporator for medium temperature.

Suitable for CaCl<sub>2</sub>, ammonia-water and other industrial brines.

6 models from 3 to 6 compressors.



## CHILLER MODULE

Capacity Range 25-250 kW

Direct expansion chiller modules.

Modular, compact and easy to install also in existing plant.

Suitable for all non-corrosive brines.

9 models

# COMMERCIAL AND INDUSTRIAL CHILLER

## Standard Accessories

- Coalescent high efficiency oil separator
- Oil reservoir with minimum level switch
- Replaceable oil filter strainer
- Electronic oil level regulator for each compressor
- Flooded evaporator with surge drum and oil rectification system, for commercial or industrial use (separate frame in industrial version).
- Suction superheater PHE (GCout/Suction) + 3 way modulating bypass valve
- Suction filter strainer
- Danfoss controller
- Common discharge manifold for PRV
- Full factory tested and programmed
- Design pressure: 120/80 bar for commercial and 120/60 bar for industrial versions

## Accessories on Request

- TW and SH heat recovery + 3 way bypass valve
- Water cooled gas cooler
- Hot gas injection on suction side
- PS: 130/80 bar for commercial and 130/60 bar for industrial versions
- Carel control
- Energy meter
- Commercial: PNC solution and walk-in enclosure for outdoor installation
- Industrial: parallel compressor and vapour ejector

## CHILLER MODULE

### Dimensions

The module is a stand alone module that can be connected with any of the range of transcritical unit and is suitable for cooling water or non corrosive brines. The range:

MODEL	Q <sub>o</sub> [kW]	# PHE	FRAME DIMENSIONS		
			L [mm]	W [mm]	H [mm]
Chiller S	25 - 100	1	1165	605	1850
Chiller M	125 - 175	1	1375	605	1950
Chiller L	200 - 250	2	1500	900	1950

