

PROFROID

Proven Solutions.
Cooling | Heating
Sustainable. Efficient.

QuietCO₂LMC

Indoor and outdoor CO₂ transcritical
refrigeration system for convenience stores
and small supermarkets



New:

- Bitzer compressors with IQ-module
- Bitzer CRII wide capacity range (100% down to 3%)
- 130 bar high pressure design



CO₂ natural
refrigerant GWP=1
PFAS FREE



Large receiver size
(34 l–110 l)



Fully serviceable
from the front



Low sound level



80 bar service pressure



Optimized
footprint



CRII wide capacity range
100% down to 3%



130 bar
high pressure design



Heat reclaim for
heating or sanitary
hot water

Documentation
available here:



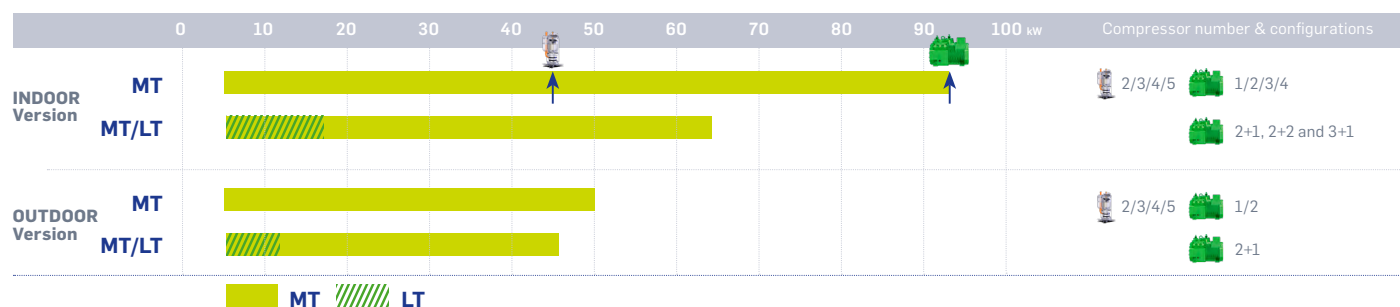
2–93 kW MT cooling capacity



5–17 kW LT cooling capacity

QuietCOOL MC

The QuietCO₂OL MC range is very versatile to best suits your needs, combining indoor/outdoor version, hermetic/semi hermetic compressors, MT or MT/LT configuration combined with various options



Options	Rotary MT	SH MT	SH MT/LT
Standard controls	Schneider	Danfoss	Danfoss
Carel or Eckelmann control		X	X
Serial communication interface (compatible with the main monitoring systems)	X		
Suction line strainer	X	X	X
Heat recovery (can have an impact on the length of some models)	X	X	X
Gas cooler bypass (Indoor only)		X	X
Additional consumers protections	X	X	X
Rain protection for electrical components (Outdoor only)	X	X	X
Shut-off valve suction line	X	X	X
Coil coating	X	X	X
Inverter for 1 st MT compressor (SH - semi hermetic) / for all MT compressors (Rotary)	Standard	Standard	Standard
Change Inverter 1 st MT compr. -> Bitzer CRII wide capacity range (100% down to 3%)		X	X
Inverter for 1 st LT compressor			X
Change of service pressure: PS 120bar -> PS 130bar* (for high ambient temp)		X	X
Modulating valve for A/C loop (6kW max)	X		
Change of service pressure: PS 80/80/120bar -> PS 60/60/120bar	X	X	X
Safety kit (controller+sensors as spare part - delivered separately)	X	X	X
Water heat exchanger (gascooler relief/subcooling before HP-valve - Indoor only)	X	X	X
Indoor receiver size upgrade: BV50 (in standard) -> BV90; BV90 (in standard) -> BV110		X	X

* available for outdoor units in 2025

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