



GREEN BY CHOICE SAFE BY DESIGN

COMPANY OVERVIEW

Since 1994

Founded in 1994, Refra is an experienced European manufacturer of sustainable refrigeration and HVACR systems, **specializing in advanced cooling and heating solutions using natural refrigerants.**

Refra designs and manufactures high-quality, safe and energy-efficient refrigeration, air conditioning and heating systems for industrial and commercial applications.



ESTABLISHED IN 1994
44+ M TURNOVER
30 YEARS OF EXPERIENCE
PARTNERS IN 30+ COUNTRIES

2 FACTORIES
300+ EMPLOYEES
22 000 SQUARE METERS
OF PRODUCTION AREA

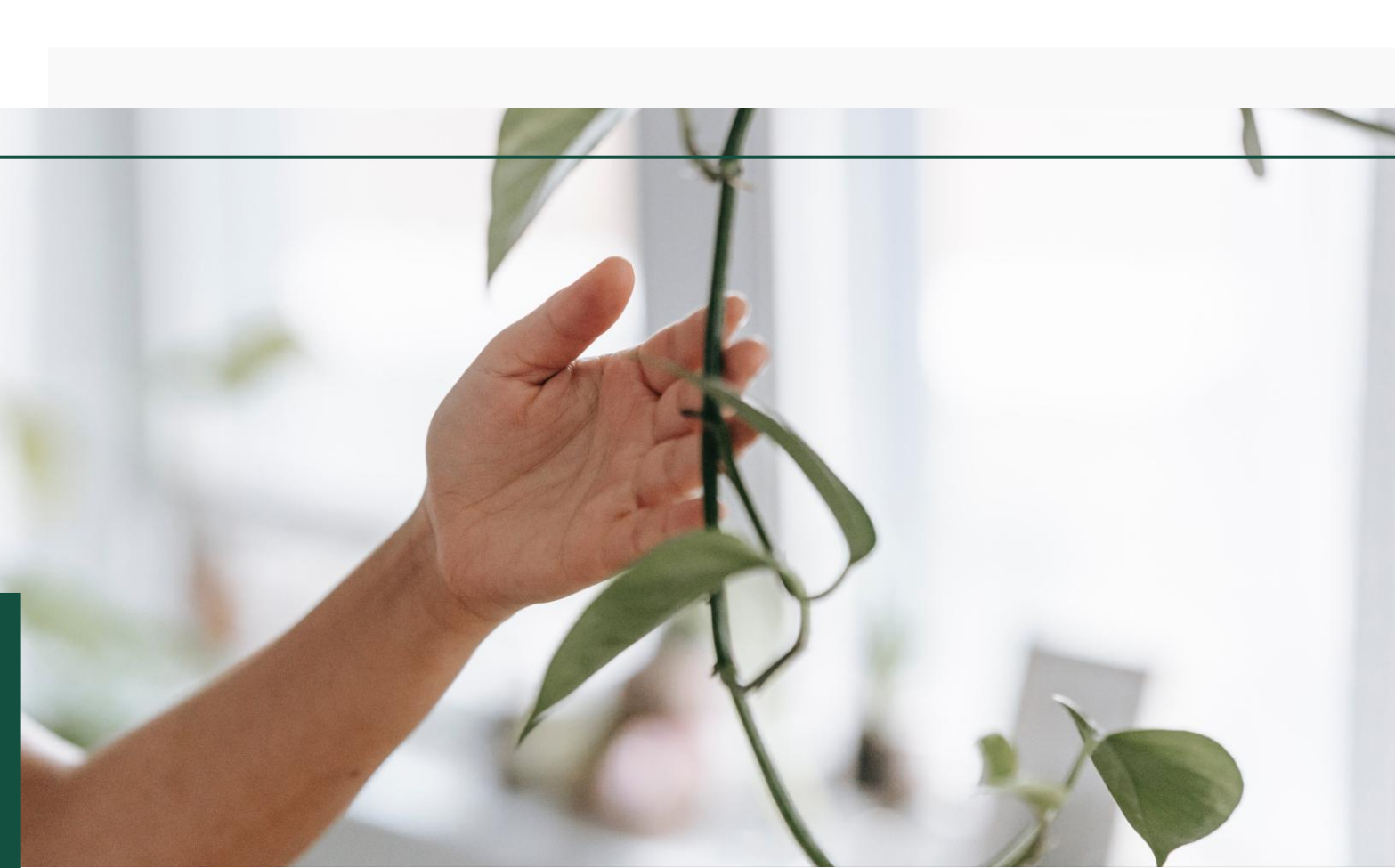
NATURAL
REFRIGERANTS

PRODUCT
COMBINATION

PRODUCTION
FLEXIBILITY

ENERGY
EFFICIENCY





Green Solutions

R290 | R744 | R1270 | R600a

Refra made a deliberate decision to choose natural refrigerants since 2011 — long before environmental regulations made it mandatory. **Refra systems are designed to comply with the latest EU F-Gas regulations, EN378 safety standards and demanding efficiency targets.**

ATMO Approved

ATMO Approved is a global label recognizing impactful use of natural refrigerants in refrigeration and heat pump systems. Each year manufacturers and contractors must meet strict criteria to earn approval. Refra has proudly held ATMO Approved status since 2024.

Cumulative avoided CO2e emissions over the years





Distinguished by a highly complex and unique offer of refrigeration products, **the company can design and manufacture non-standard products, fully customized and completed according to customer requirements.**

Custom Made Products

Having additional product groups, Refra can design and produce a system so unique it would serve as a multifunctional solution. **Mix and match the products to create a perfect system that meets multiple needs.**

Product Combination



One of a Kind

Our staple Galaxy frame houses a combination of MT Air-cooled chiller with propylene and LT subcritical CO2 cascade unit. An additional buffer tank with an integrated heat recovery option is installed on the same frame.





Award-Winning Energy Efficiency

Refra systems deliver real energy savings through variable-speed compressors, magnetic expansion valves, smart controls, and integrated heat recovery. **Tested results show up to 16% higher COP and 14% lower energy use.**

Efficient by design—proven in practice.

Product Groups

01

REFRIGERATION & AIR CONDITIONING

Chillers, CO2 Systems,
Compressor racks.

02

HEAT PUMPS

Heat pumps for heating and
cooling.

03

WATER SYSTEMS

Buffer tanks, Pump Stations,
Ice Banks.

04

HEAT EXCHANGERS

Condensers, Gas Coolers,
Dry Coolers, Evaporators.



Chillers

Refra produces exceptionally unique chillers, fully tailored to the needs of the customer. The products differ in size and design, depending on the required temperature or application and ranges from 20 kW to 1,4 MW in cooling capacity. Ambient temperature ranges from -10°C to +45°C.

LIQUID-COOLED



AIR-COOLED



WITH FREE COOLING



CO2 Systems

Refra manufactures both transcritical and subcritical CO2 units which provide medium or/and low temperature refrigeration and heating. It is a perfect option for both commercial and industrial applications. The cooling capacity ranges from 14 kW to 800 kW.

CO2 LIGHT



CO2 SELECT



CO2 GALAXY



Heat Pumps

Refra specializes in producing reversible heat pumps that seamlessly switch between heating and cooling modes, making them ideal for year-round operation. Refra heat pumps offer a heating capacity range from 40 kW to 440 kW and a cooling capacity range from 35 kW to 390 kW. Ambient temperature ranges from -15°C to +45°C.

FLAMMA



IGNIS



SOLIS



Heat Exchangers

At the customer's request, Refra can design and manufacture finned tube heat exchangers for various application so almost any type of heat exchanger is possible with individual design.

EVAPORATORS



CONDENSERS



GAS COOLERS / DRY COOLERS



Water Systems

Refra provides a range of water system solutions designed for easy installation and seamless integration with our cooling equipment, ensuring efficient and flexible operation across different applications.

BUFFER TANKS

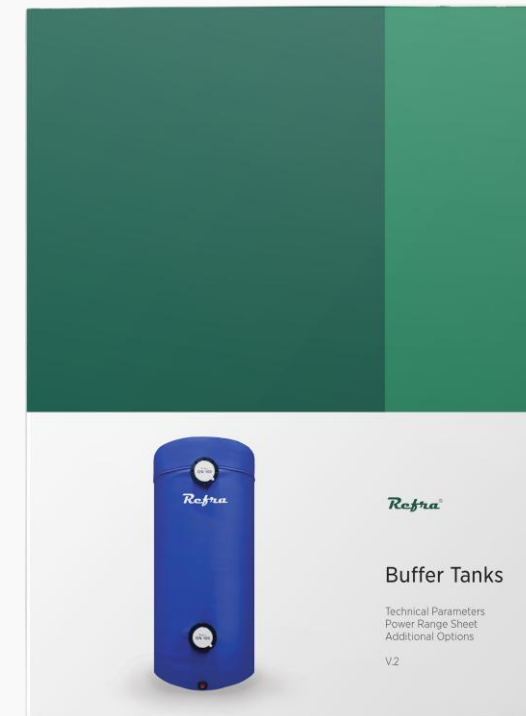
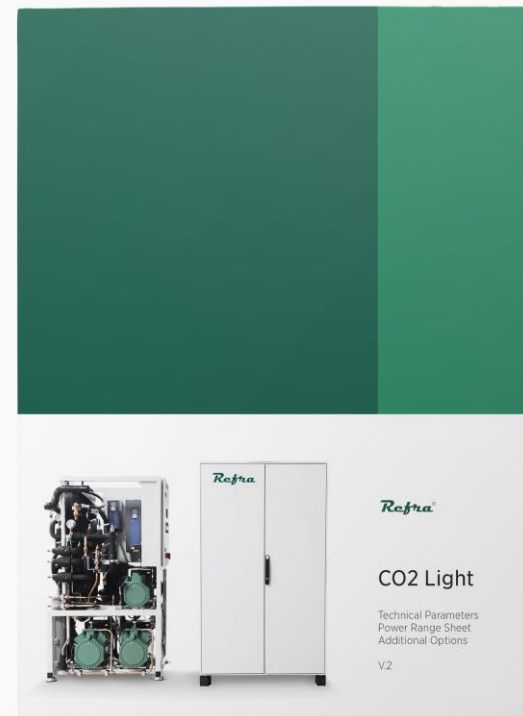
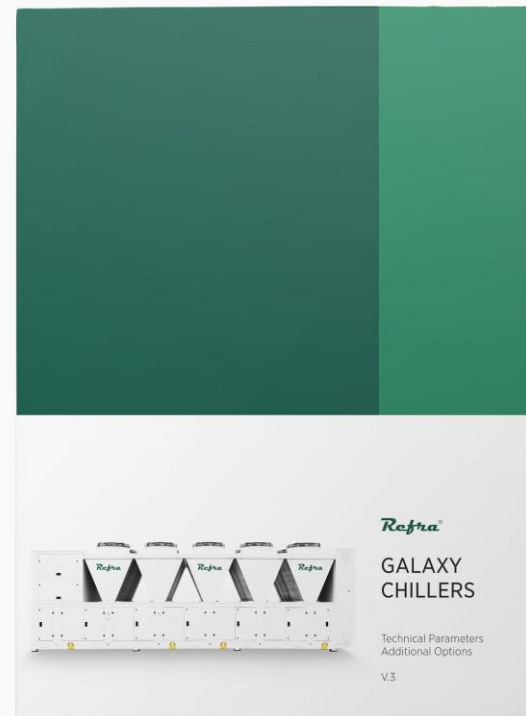
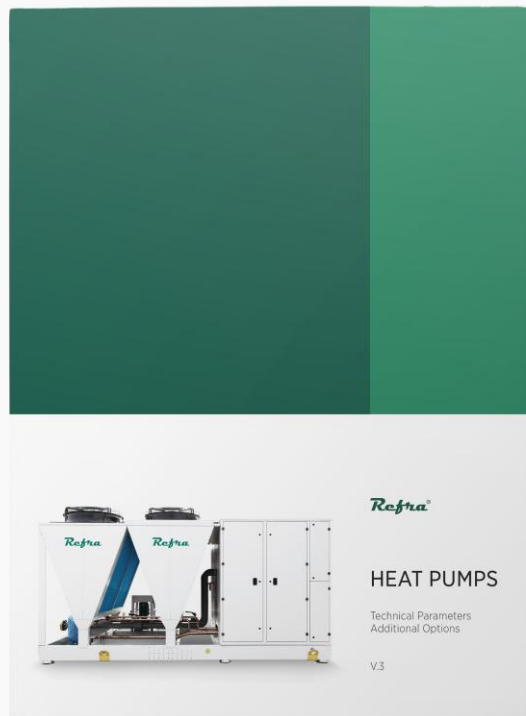


PUMP STATIONS



ICE BANKS

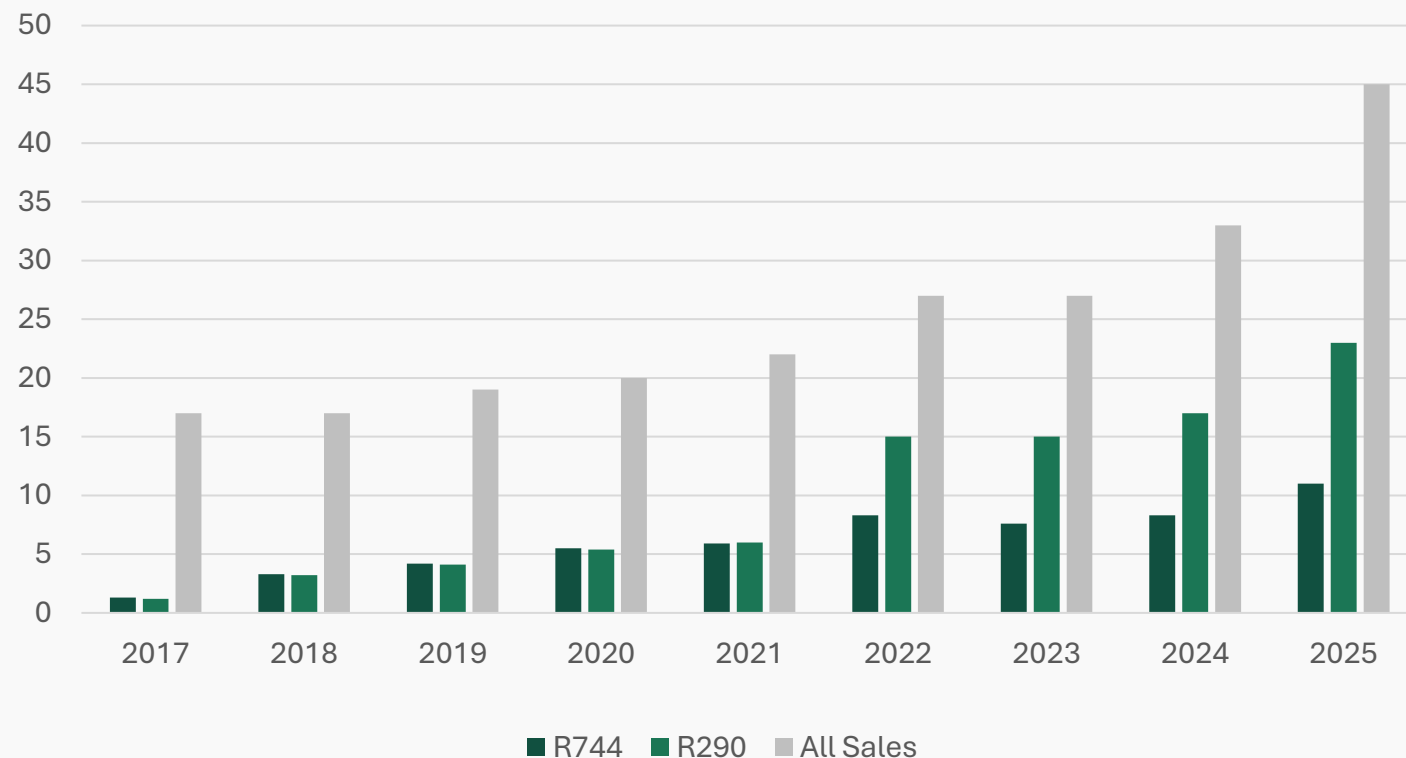




Refra has created standard brochures for the most sought-after products. Customers can easily and conveniently choose the products according to the calculations provided. This allows for a faster production times and easier selection.

Standard Options

Mln.



Refra maintains stable revenue growth and increases turnover each year.

Sales Chart





Safety Solutions

System Design

Component Selection

Safety Features

Atex ventilation

Detection Systems

EN 378 Standard

Temperature Differences on User Side

Refra units are standardly designed to operate efficiently at Delta T 5.



With non-standard applications, recalculation based on certain temperature differences is possible.



CO2 Light is perfect for small retail stores or gas stations and can provide up to 50 kW of cooling capacity.



CO2 Galaxy units are among the most versatile racks and come with an integrated gas cooler.

Retail Solutions



Installer-friendly

Thought-over and elaborate access to the control system allows you to perform service work in comfortable conditions. The containers have built in ventilation, heating, lights, electrical sockets – everything for your safe, warm and calm maintenance.



[See Video](#)

Space and time saving

Refra containers arrive ready-made, all you have to do is connect it to the premises. The roof of the containers is also made up for the installation of a gas cooler. This saves the customer not only the indoor and roof area installation and exploitation costs, but also 2-3 weeks of work!

Maintenance Solutions

CO2 and Propane

High capacity CO2, Propane systems, adapted for industrial refrigeration, with a wide selection of additional options.



These systems are perfect for logistics centers, food factories, warehouses and other grandiose projects.

Industrial Solutions

Connectivity

- BACnet (IP / MS/TP)
- Modbus (TCP/IP / RTU)
- Cloud (Climatix IC)
- Web Access
- Analog/Digital I/Os





Advanced Controls

Flexible Programming Environment

Wide Range of Models

Built-in Energy Efficiency Features

Remote Monitoring & Control

Modular & Expandable



Danfoss

wilo



SIEMENS

Refra units are manufactured using
world-renowned, top quality parts.

High Quality Parts

Refra®



Manufacturer-backed warranty by Refra

12-month coverage from commissioning

Direct repair or replacement of manufacturing defects

Handled by Refra specialists using original parts

ISO 9001 certified service & claim process

Designed to protect long-term system reliability

Warranty Conditions



Thank you for
your time
