The most visionary heating and cooling systems in the world



Fenagy develops and manufactures refrigeration and heat pump systems based on the natural refrigerants CO_2 and hydrocarbons. We always use natural refrigerants because they are efficient and have no harmful effects on the environment and climate - unlike all alternative synthetic refrigerants. Natural refrigerants are the refrigerants of the future.

H-RANGE



HEAT PUMPS
SINK: WATER
SOURCE: AIR OR WATER

CAPACITY: 600 - 3,000 kW PU REFRIGERANT: CO₂ (R744)

C-RANGE



CHILLERS
HEAT RECOVERY
AIR-COOLED GAS COOLER

CAPACITY: 800 - 2,600 kW PU REFRIGERANT: CO₂ (R744)

CHC-RANGE



COMBINED HEAT AND COOLING SINK: WATER AND AIR SOURCE: WATER AND AIR

CAPACITY: 600 - 3,000 kW PU REFRIGERANT: CO₂ (R744)

HCI-RANGE



HEAT PUMPS
SINK: WATER
SOURCE: WATER

CAPACITY: 1,000 - 3,000 kW PU REFRIGERANT: ISOBUTANE (R600a)

HCP-RANGE



HEAT PUMPS AND CHILLERS

SINK: WATER CAPACITY: 1,000 - 3,000 kW PU
SOURCE: WATER REFRIGERANT: PROPANE (R290)

We only work with natural refrigerants

R744 - CO₂

APPLICATIONS

District heating, heat networks, industrial processes, food industry, green houses, data centres, logistics centres, offices, hospitals and HVAC in general

- · Natural refrigerant with a wide temperature range
- · Non-toxic and non-flammable
- · Excellent choice for air-sourced heat pumps for direct use in the energy collectors and with high delta T on the heat sink side
- · Optimal for medium-temperature water-sourced heat pumps, chillers and combined heating and cooling applications
- Medium-high temperature level on heat sink (up to 85°C supply temp) with high delta T on the heat sink (dT: 30-40K)

R600a - Isobutane

APPLICATIONS

Heat networks, biogas, PtX, geothermal, carbon capture, CO_2 heat pump sub-cooler, industrial processes and the food industry

- · High-temperature natural refrigerant
- · Suitable for water-sourced heat pumps and chillers
- · Can be used in a wide temperature range on both the heat source and heat sink sides
- · Robust operation under various operating conditions
- · Use of efficient screw compressors and high COP of the cycle
- High temperature level on heat source (up to 40°C evap. temp)
- High temperature level on heat sink (up to 95° C supply temp) and ideal with low delta T on heat sink serial coupling on water side at higher delta T

R290 - Propane

APPLICATIONS

Heat networks, industrial processes, food industry, data centres, offices, hospitals and $\ensuremath{\mathsf{HVAC}}$ in general

- · Low-temperature natural refrigerant
- · Suitable for lower temperature water-sourced heat pumps and chillers
- Low temperature level on heat source (down to -30°C evap. temp)
- Medium temperature level on heat sink (up to 75°C supply temp)
- · Ideal with low delta T on sink and heat source
- · High refrigeration capacity ensures compact solutions with small footprint
- · Can be combined with isobutane in serial hydraulic couplings





