



DOPPEL
COOLING



Doppel Cooling GmbH

product brochure



About us...

Doppel Cooling GmbH

Doppel Cooling is a system house for refrigeration technology and heat pumps with natural refrigerants.

R290 Propane
R1270 Propene
R744 CO₂

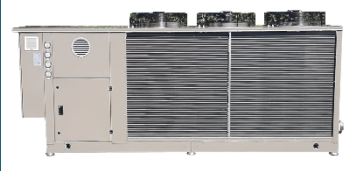
Building on our employees' decades of experience in refrigeration technology, our goal is to be one step ahead of the current market offering and to ensure that you receive comprehensive advice when choosing the right product. With regard to the F-Gas Regulation, we have placed particular emphasis on the use of natural refrigerators.

In addition to a range of standardized products, our product range primarily includes the construction of individual chillers, heat pumps, combined systems and condensing units. This means that we can integrate your wishes and requirements right from the planning stage and implement them perfectly.

See for yourself and get an overview of our products on the following pages.

product range

chiller



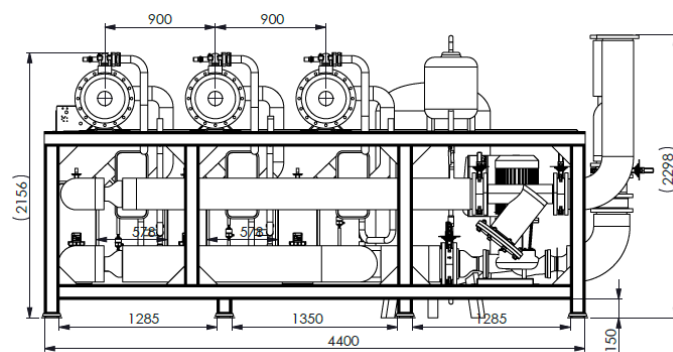
heat pumps



CO₂-compressor packs



condensing units/
gascooler



chiller

pro-edition (propane/propene)

cooling capacity: 5 to 1.800 kW

*refrigerant: R290 propane /
R1270 propene*

*outlet: +15 to -20 °C (R290)
0 to -25 °C (R1270)*



options:

Siemens Cloud +
Modem GSM



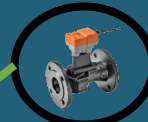
Heat recovery



Double safety valve



Flow meter



Flow switch



Check valve



Trace heating



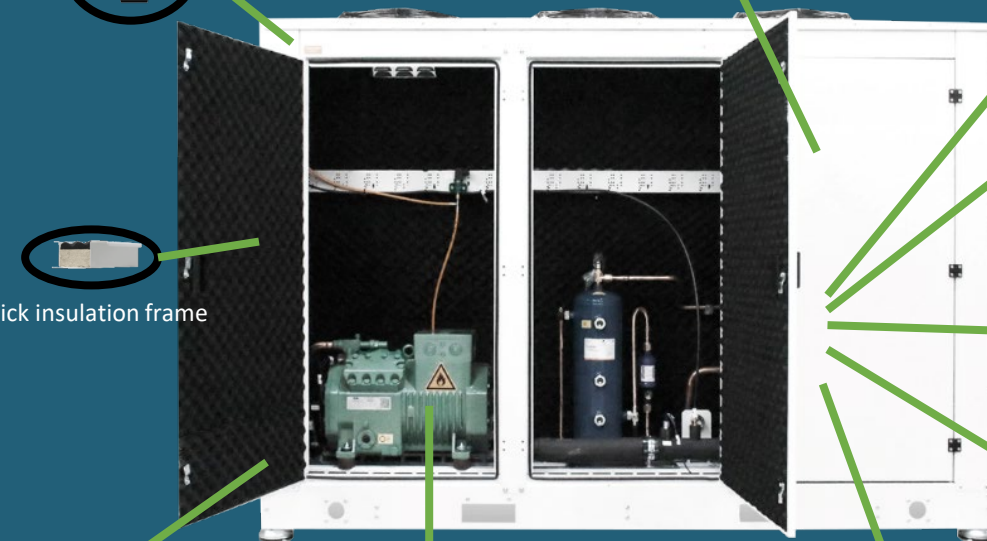
Frequency inverter
(VACON-Inverter or VARIPACK)



Antivibration mounts



Thick insulation frame



cascade

cascade (low cooling)



Cooling capacity: 5 to 750 kW

refrigerant: R290 / R1270 and
R744 CO₂

outlet: +15 to -20 °C (R290)
+10 to -25 °C (R1270)
-10 to -30 °C (R744)

Also possible as direct evaporation (down to -50 °C)

cascade (ultra-low cooling)

Cooling capacity: 5 to 250 kW

refrigerant: R290 / R1270 and
R170 Ethan

outlet: +15 to -20 °C (R290)
+10 to -25 °C (R1270)
-20 to -40 °C (R170)

Also possible as direct evaporation (down to -70 °C)



heat pumps



<i>function:</i>	<i>only heating or heating + cooling</i>
<i>Heating capacity:</i>	<i>5 to 1.000 kW</i>
<i>Cooling capacity:</i>	<i>5 to 850 kW</i>
<i>refrigerant:</i>	<i>R290 / R1270</i>
<i>outlet (cooling):</i>	<i>+15 to -20 °C _(R290) / +10 to -25 °C _(R1270)</i>
<i>outlet (heating):</i>	<i>to 65 °C</i>

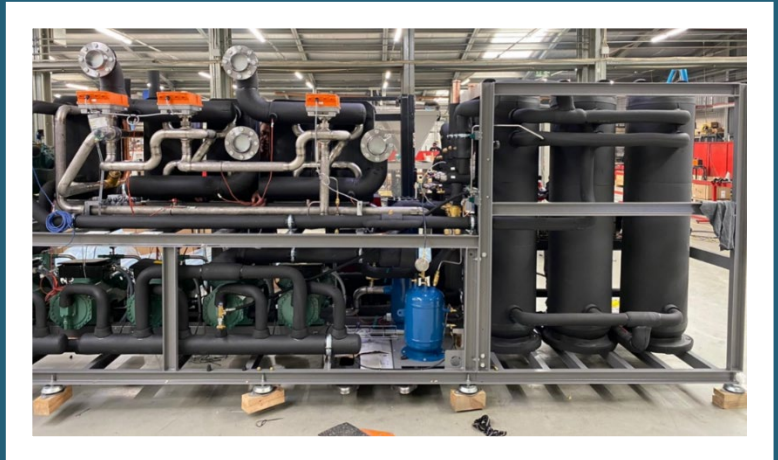


CO₂-compressor packs / condensing units, gascoolers

CO₂-compressor packs

type:

- *transcritical units*
- *subcritical units*
- *booster-units*



Condensing units, CO₂-gascooler

capacity: 5 to 5.000 kW

condensation: -10 to 42 °C

Air- or liquid cooled





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