



Combitherm Heat Pump

The Master in Energy Saving



In numerous industrial processes, waste heat is generated that often cannot be used efficiently, and therefore needs to be released into the environment. With the use of high temperature heat pumps, we provide the opportunity to process this energy for a specific further use.

Features:

- Our tried and tested R134a machines can be employed for a temperature range of up to 70°C
- Provided with an optimal extension to cover an application range of up to 120°C with R245a
- Environmentally friendly solution with low GWP
- The low pressure levels in combination with the thermodynamic capability

Compressor:

- Equipped with semi-hermetic screw compressors or scroll compressors
- Available displacements 4 to 300 m³/h

Pumps:

- Electronic in-line pumps with integrated frequency converter

Expansion Valve:

- Electromagnetic expansion valve for optimal refrigerant injection in the evaporator

Controller and Control Cabinet:

Control of the unit by electronic PLC regulation via touch panel for:

- Visualization of refrigeration cycle
- Operation point
- Application limits
- Temperatures
- Pressures
- Clear text fault messages in case of malfunctions.

Refrigeration Accessories:

- High and low pressure switches
- Heat exchanger for liquid sub cooling and suction gas super-heating
- Sound-absorbing housing to reduce the noise level of the compressors by about 10 - 15 d B(A).
- Equipped with standard equipments like Inspection glass, refrigerant collector etc...

