

Rental Heat Exchangers

Specialist Equipment



ABOUT THE HEAT EXCHANGER

Cool Energy's range of industrial heat exchangers have been specifically designed to withstand a wide range of temperature uses, system pressures and thermal fluids.

Where necessary, specific process heat exchangers will be sourced to meet one-off applications, where standard Cool Energy equipment is not suitable.

All of our equipment is supplied pre-tested to PED 97/23/EC under a BS EN ISO9001:2000 quality management system.

In addition to this the following pressure vessel codes are also compiled with:

CODAP, AD Merkblätter, ASME VIII div 1, RCCM and API 662

Cool Energy Service

Cool Energy can also supply the following equipment:

- Air-cooled rental chiller range from 0.3kW – 1,000kW units.
- Water-cooled rental chiller range from 7.5kW – 1,000kW units.
- Air handling units & fan coils from 5kW – 500kW duties.
- Air conditioning units from 1.3kW – 350kW units.
- Low temperature chillers (-30oC) and fan coils (0oC air off).
- Dehumidifiers (desiccant & electric) 200-10,000m³/hr.
- Generator Power with 20KVA – 800KVA fuel tanks and management.
- Air distribution (flexible ducting and perforated air socks).
- Hot water generators and boilers from 25kW – 500kW units.
- Heating (office/warehouse) from 3kW to 200kW electric/indirect/heat pump.

We also provide full installation, transportation, lifting and monitoring.



TECHNICAL

HVAC & Process Cooling Model: 3,150kW Heat Exchanger Package

Performance data @ design conditions

Cooling Capacity	kW	3,150
Operation Fluid Temperature IN/OUT	°C	220/50
Design Fluid Temperature In/Out	°C	250/-10
Fluid Flow Max	m ³ /hr	46,368
Cooling Fluid Temperature In/Out	l/s	30/50

Operating limits

Fluid Density	Kg/m ³	749
Thermal Conductivity	W/m.K	0.0954
Evaporator Pressure Drop	kPa	22.6
Specific Heat Design	kJ/kg.K	2,219
Viscosity	mPa.S	0.4
Max Working Pressure	Bar	25
Evaporator Water Volume	1	32

Physical Data

Overall Length	mm	2 x 2,100
Overall Width	mm	2 x 750
Overall Height	mm	2 x 750
Weight	kg	2 x 300
Fluid Coupling Size	mm/inch	2 x 100/4
Fluid Coupling Type (Cooling)	choice	PN16 Flange
Connection Type (Process)	option	BRIDE A151 321-11F-PN40

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We also have four locations in Germany in Munich, Guglingen, Hagen and Leipzig. Further information on these locations can be found at www.coolenergy.de



Equipment designed to ISO-9001 and all relevant directives. Product improvement is a continual process at Cool Energy and we reserve the right to change the design and specifications without notice or obligation. Availability is subject to change without notice. Contact your local Cool Energy depot for availability. © 2008 Cool Energy. All rights reserved.