

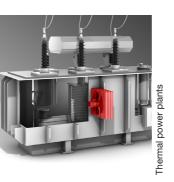
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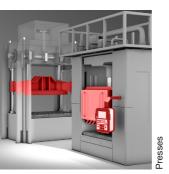
Refrigerated Fluid Chiller Systems RFCS **Rack-Mount Cooler**

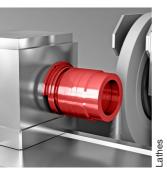
















Your Partner for Expertise in Cooling Systems.

All the requirements...

H.I.B Systemtechnik GmbH is a subsidiary of HYDAC International which employs over 7,500 worldwide.

Located in the Bavarian town of Friedberg, H.I.B. is the centre of excellence for refrigeration cooling technology. Innovative cooling systems for the machine tool and laser industries are developed and manufactured here. All machines are designed and developed in-house by our highly experienced R&D team.

...for efficient cooling solutions The RFCS Refrigerated

Fluid Chiller System cools various fluids such as water, water/glycol or oil down to, or below,

the ambient temperature.

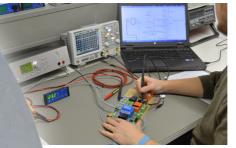
The cooling system, which consists of a chiller, pump, tank and electronic control, operates independently and highly accurately to a specific setpoint.

HYDAC

From the prototype to series production.

Planning and advice from our specialists on site. We tailor the solution to your individual requirements.







Our own **development centre** produces market-driven, energy efficient and cutting-edge solutions, to stay one step ahead of the "state of the art".



The coolers are **produced** in the Bavarian town of Friedberg and rightly deserve the "Made in Germany" seal of quality!





In order to provide a consistently high **level of quality**, all equipment must undergo a function and performance test.

For **Service** you can call on a comprehensive network of service engineers. Whether it is for repair at H.I.B or on site. We are at your service worldwide.



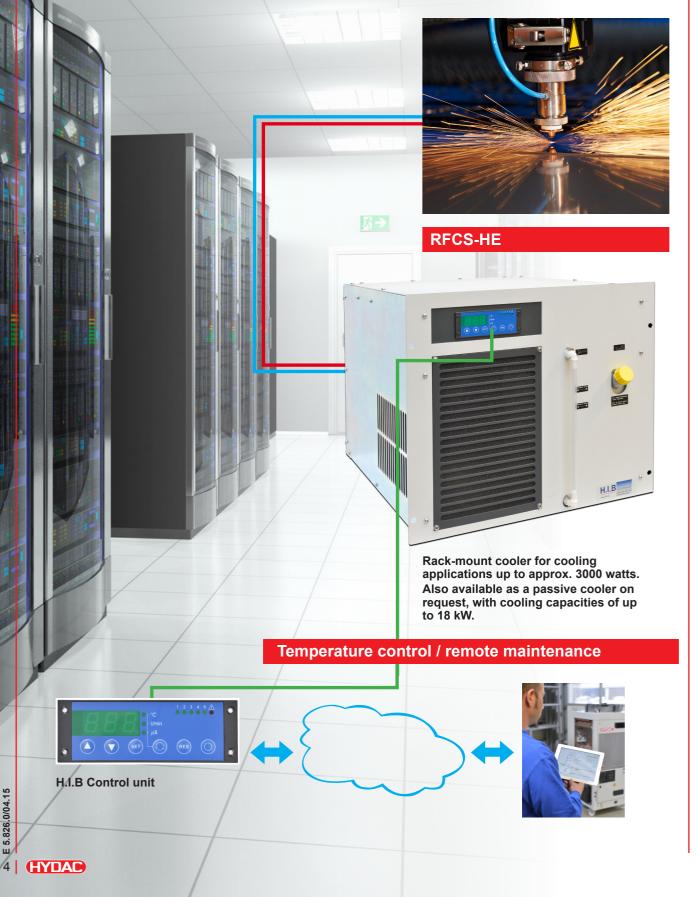


YDAC **RFCS-HE Rack-mount cooling system**

Compact, low-noise and high-performance

E 5.826.0/04.15

In the standard versions, these cooling systems are designed as active coolers complete with compressor, air cooled condenser, pump and electronic control.



HYDAC RFCS-HE Rack-mount cooling system

Technical data



Series	Cooling capacity ¹⁾ [kW]	Condenser		Coolant			Pump capacity/ flow rate	Electrical supply ⁵⁾	Dimensions LxDxH [mm]	Weight [kg]
		air- cooled	water- cooled	DI ²⁾	IW ³⁾	Direct ⁴⁾ (without tank)				
ЗНЕ	300	•	•	•	•	•	3 l/min @ 3 bar	100–240V – 50Hz	19" x 550 x 133	28
4HE	300	•	•	•	•	•	4.5 l/min @ 3 bar	230V – 50/60Hz	19" x 560 x 178	30
5HE	500	•	•	•	•	•	4.5 l/min @ 3 bar	230V – 50/60Hz	19″ x 565 x 223	42
6HE	800	•	•	•	•	•	4.5 l/min @ 3 bar	230V – 50/60Hz	19" x 565 x 267	48
7HE	1500	•	•	•	•	•	4.5 l/min @ 3 bar	230V – 50/60Hz	19″ x 640 x 312	57
9HE	2300	•	•	•	•	•	4.5 l/min @ 3 bar	230V – 50/60Hz	19" x 640 x 401	59
11HE	3000	•	•	•	•	•	4.5 l/min @ 3 bar	230V – 50/60Hz	19″ x 640 x 490	68

1) Cooling capacity based on 35°C ambient air / water to condenser and 20°C process fluid supply temperature
2) DI = deionised water
3) IW = industrial water

4) Direct = Direct vaporisation without refrigerant5) Standard, additional voltages on request

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Features



Visual fill-level display

Accessories

- Conductance regulation and monitoring
- Speed-controlled compressor and condenser fan
- High-pressure pump
- Several parallel circuits
- Ambient-dependent temperature control using separate temperature sensor
- Serial interfaces for system monitoring
- Filtration units for the refrigerant circuit
- Flow rate display and monitoring
- Extremely accurate control ±0.1 K
- Devices also available in DC supply voltage
- Water-cooled condenser variant also available



Front filling and drainage



Low noise

- High level of operating reliabilityCompact
- Precise temperature control
 - Easy maintenance and operation
 all connections on front panel

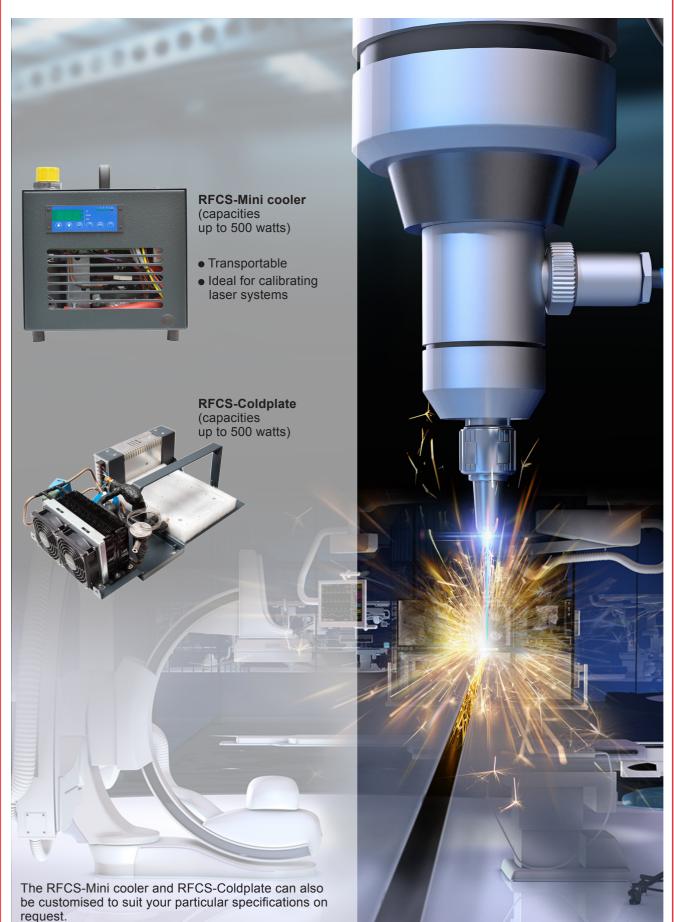


Rapid commissioning and straightforward connection to higher-level measurement and control technology



HYDAC

Special solutions in medical and laser technology













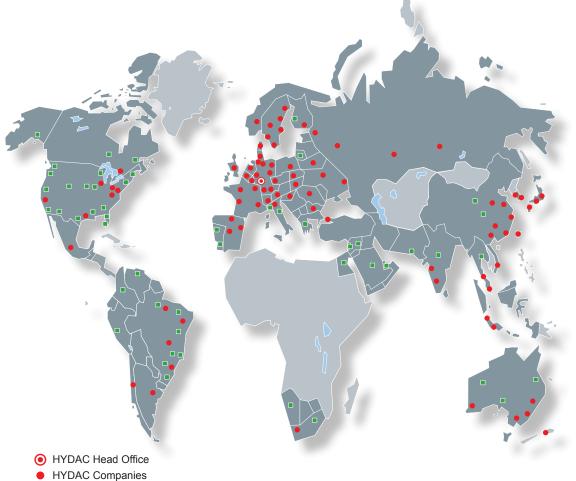






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