

# Targeted waste heat recovery.

For medical cooling.

## Precise cooling with simultaneous use of waste heat.

With Riedel Kooling products, energy can be converted and used efficiently in integrated system solutions.

At Glen Dimplex Deutschland, we believe in energy-saving cooling and heating, and we know that the two belong together. Around 60 % of the world's energy consumption is for cooling and heating, and we need to make major savings on our energy use - as a result of climate change apart from anything else. Riedel Kooling offers high-performance chiller systems that guarantee optimal and perfect operation of modern diagnostic devices in medical facilities as well as efficient heat pump systems that can both heat and cool.



Heating  
(building heating)



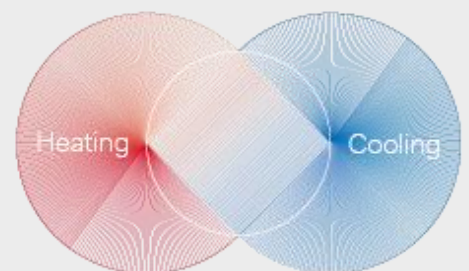
Cooling (medical and  
building cooling)



Parallel heating  
and cooling



Domestic  
hot water treatment



## Increase energy efficiency.

Minimise operating costs and CO<sub>2</sub> emissions.

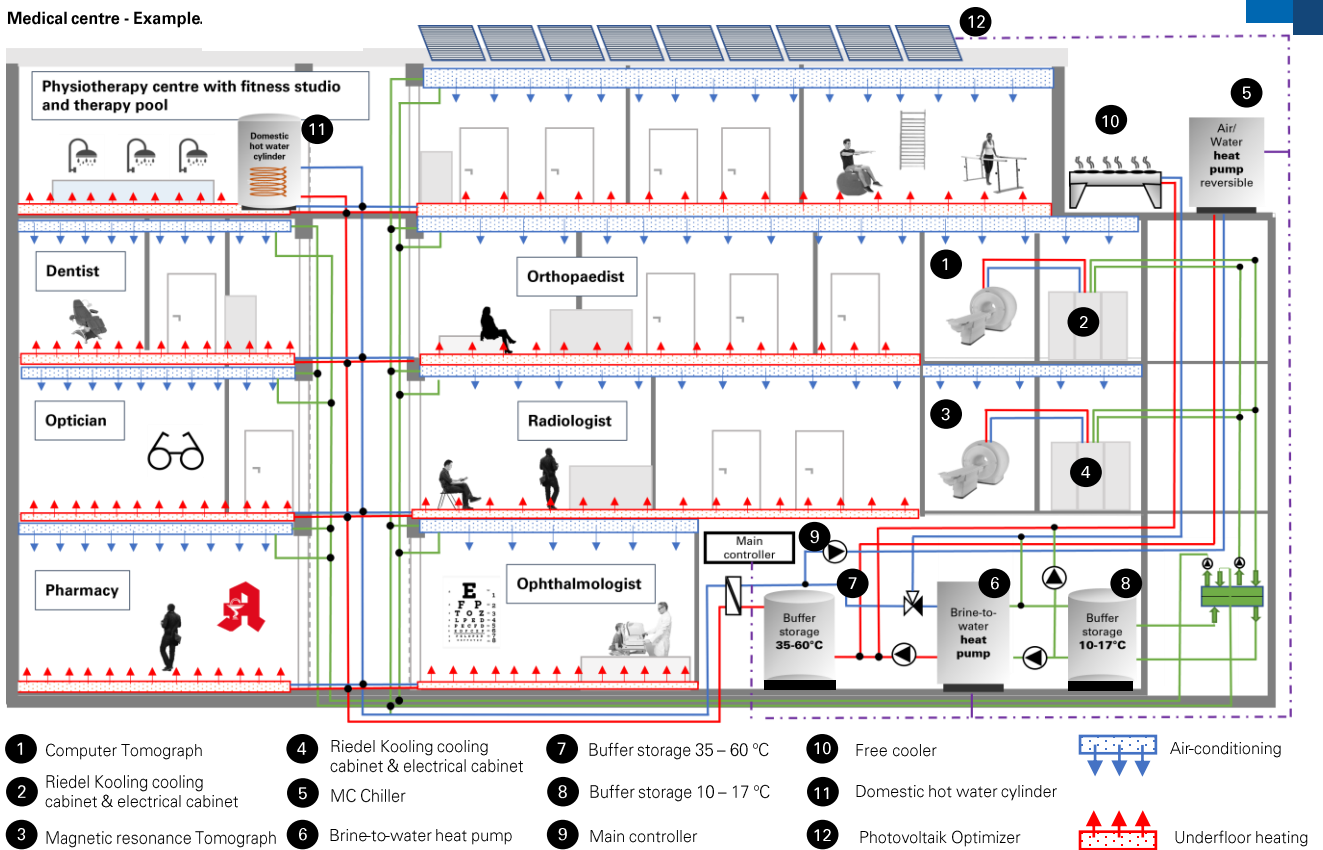
The Riedel Kooling system solution enables targeted waste heat recovery. The waste heat from the imaging diagnostic device and air-conditioning is transferred using a heat pump and can be used to heat rooms and for domestic hot water preparation. Whether you need heating or cooling, or both. The Riedel Kooling system solution makes synergies usable.



# Medical centre.

Use of synergies with integrated concepts.

Medical centre - Example.



- 1 Computer Tomograph
  - 2 Riedel Kooling cooling cabinet & electrical cabinet
  - 3 Magnetic resonance Tomograph
  - 4 Riedel Kooling cooling cabinet & electrical cabinet
  - 5 MC Chiller
  - 6 Brine-to-water heat pump
  - 7 Buffer storage 35 – 60 °C
  - 8 Buffer storage 10 – 17 °C
  - 9 Main controller
  - 10 Free cooler
  - 11 Domestic hot water cylinder
  - 12 Photovoltaik Optimizer
- Air-conditioning  
 Underfloor heating

## What we offer.

With international facilities and experts, we bundle our competencies to deliver the highest standards of technology and service.



### Analysis & consulting.

Optimisation of the entire system to create a highly efficient system – for optimal use and reduction of operating costs.



### Conception & planning.

Conception and detail planning of the solutions tailored to the requirements, determination of the components and services.



### Service and maintenance.

Monitoring and remote access, as well as quick support, including a competent hotline 24/7.



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