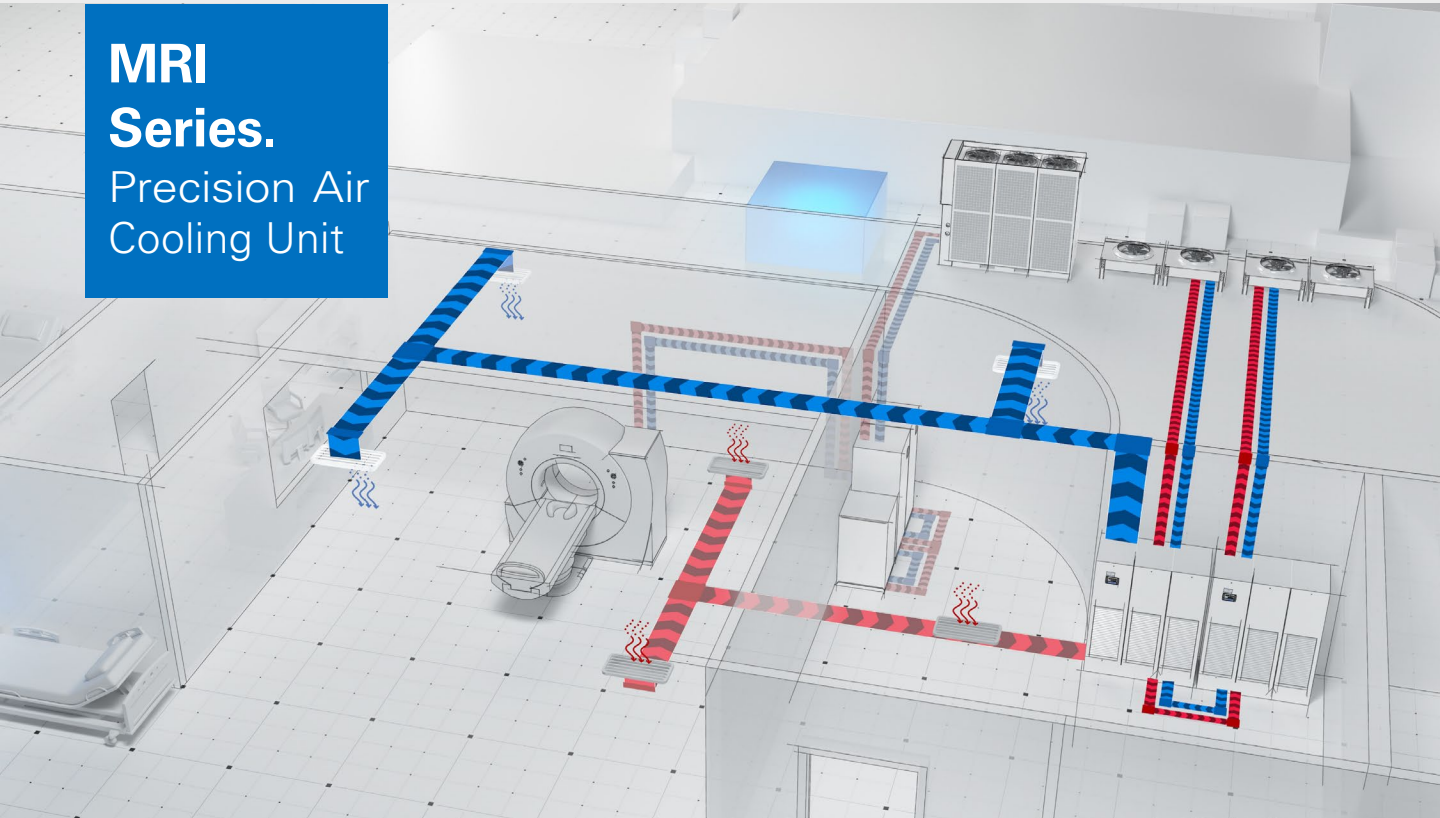


MRI Series.

Precision Air Cooling Unit



Clean air and a pleasant room temperature.

Precision air cooling solutions by Riedel Kooling.

The series of precision air cooling units from Riedel Kooling is specially designed and developed for machine rooms of large medical imaging equipment rooms for CT and MRI. The standard unit is equipped with electrical heater and humidifier to ensure a constant temperature and moisture level. It could be equipped with ultraviolet rays for disinfection of bacteria as an option.

Precision medical cooling and air climate solutions from a single source.

Riedel Kooling provides it's customers tailor-made cooling solutions, enabling their machines to work even under extreme conditions.

>4.0

Energy
efficient ratio
in one year.

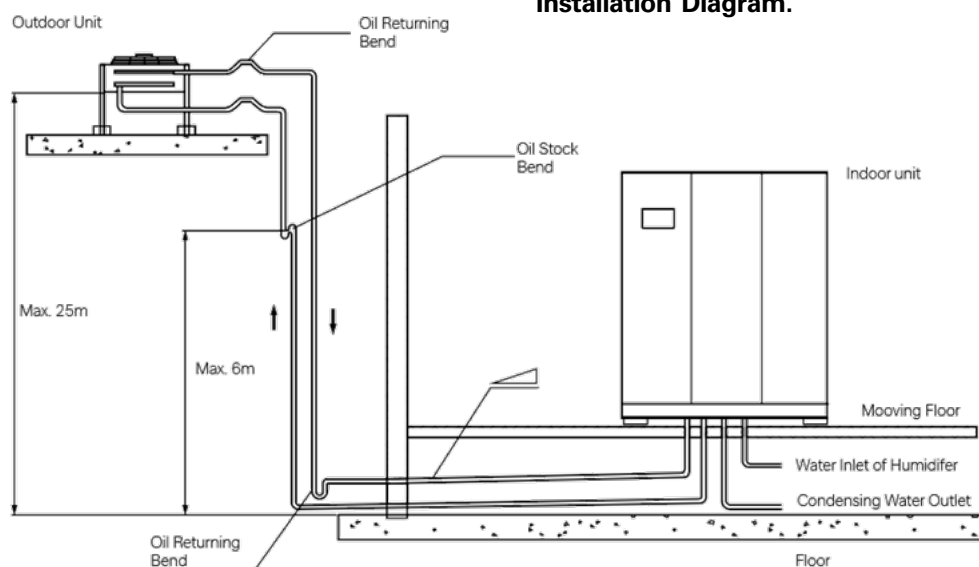


High efficiency, reliability and product lifetime.

Meticulously designed refrigeration system for higher sensible heat ratio and energy efficiency.

- Large air volume, small enthalpy difference, suitable for heat dissipation for the major facilities in machine and treatment rooms.
- High reliability and long service life; 24-hour-operation, and 365 days continuous operation throughout a year for 10 years projected lifetime.
- Standard outdoor unit can be workable at ambient temperatures between -15°C to 45°C.
- The heat exchange efficiency of the evaporator is 10% higher than that of the blower end, and the system wind resistance is 30% lower than that of the blower structure.
- Ultraviolet ray sterilization would be activated according to bacteria quantity in the air of equipment room.
- Powerful control and communication capabilities. Adopting RS485 as an optional interface, the unit supports Modbus communication protocol for a lot of functions.
- Strong adaptability of power supply.
- "I" shaped evaporator is used, which can achieve a larger heat exchange area in a smaller unit size and lead to high heat exchange efficiency and more space being saved.
- Flexible and powerful customized designs can fully cover various needs of the market.

Installation Diagram.



Technical specification.*

Total Cooling Capacity	30 – 50,6 kW
Sensible Cooling Capacity	27,3 – 45,5 kW
Circulation Air Volume	9.650 – 14.000 m ³ /h
Max. Excess	
Pressure of Outdoor Unit	150 – 200 Pa

Compressor Quantity	2
Rated Steam Volume	5 – 8 kg/h
Rated Power of Humidifier	3,75 – 6 kW
Refrigerant	R410A
	R407C

*depending on different Models AC530S / AC535S / AC540S / AC545S / AC550S



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