



Heat Exchanger.

Durable. Use of high-quality components from acclaimed manufacturers.

Intelligent. The heat exchanger is designed to meet the exact cooling needs of the MRI.

Flexible. Can be used in a range of MRI systems from established manufacturers.

Compatible. Perfect for the system – tailored to our MC chiller series.

Fast delivery times. Generally available from stock.

Easy to install. Quick and easy installation.

Heat Exchanger. Technical Data.

The heat exchanger acts as a separator between an MRI and a cold water network. It is the perfect solution for any hospital or radiologist. This makes it ideal for use in medical cooling. It is compatible with the MC chillers from Riedel Kooling and has enough space in the casing for a helium compressor.

Item number	Heat Exchanger
Item number	2NK6931
Connectors, primary circuit	Coolant water supply G 1 ½ inch Helium compressor ½ inch hose nozzle
Connectors, secondary circuit	Gradient coil: 6TPM Rc ¾ inch Gradient power supply: 6TPM Rc ¾ inch RF amplifier: 4TPM Rc ½ inch
Dimensions (W x H x D) in mm	650 x 1.952 x 650
Weight	214 kg
Coolant, primary circuit	Water, or water/glycol mix of 60%/40%
Coolant, secondary circuit	Water
Water inlet temperature, primary circuit	6 – 12 °C (nominal temperature 12°C)
Water outlet temperature, secondary circuit	20 °C +/- 2 K
Volume flows, primary circuit	Total: 90 l/min (nominal volume flow) Helium compressor: 8 l/min
Volume flows, secondary circuit	Gradient coil: 6 – 24 l/min (configurable) Gradient power supply: 30 – 40 l/min (configurable) RF amplifier: 0 – 21 l/min
Pressure drops, primary circuit	Total: approx. 1.5 bar Helium compressor: approx. 1 bar
Pressure drops, secondary circuit	Gradient coil: 2.0 bar to 3.8 bar Gradient power supply: 2.5 bar to 2.8 bar RF amplifier: up to 2.8 bar
Max. cooling capacity, primary circuit	88 kW
Max. cooling capacity, secondary circuit	82 kW
Operating voltage	400 V / 3 Ph / 50 Hz 460 V / 3 Ph / 60 Hz
Power consumption, overall system	2,7 kW
Max. current consumption	5 A
Customer-side fusing	max. 16 A



Sales Riedel Kooling

Glen Dimplex Deutschland GmbH
Am Goldenen Feld 18
95326 Kulmbach
Germany
T + 49 9221 709-555
info@riedel-kooling.com

24/7 Service

T + 49 9221 709-545
service@riedel-kooling.com

Visit:
riedel-kooling.com