

TECHNICAL DATA

System Separator	MRI (Scan room)	MRI (Equipment room)	Helium compressor
Operating voltage (Input power)	208 V / 3 Ph / N / PE / 50 - 60 Hz		-
Sound pressure level at 1 m distance (w/o fans)	67,7 dB(A)		-
Net   gross weight	473 kg   573 kg		-
Height   Width   Depth	2.025,5 mm x 830 mm x 830 mm		-
Cooling circuits	2	1	-
Cooling medium	Deionized water	Deionized water	Glycol/Water ≤ 50%
Required electrical conductivity	10 to 450 μS/cm	10 to 450 μS/cm	-
	≥ 400 inhibits scanning	≥ 400 inhibits scanning	-
Cooling circulation, nominal	125,1 l/min	39,9 l/min	-
Min. low pressure	1,8 bar	1,8 bar	-
Max. high pressure	5 bar	10,5 bar	10 bar
Heat removal (low flow application)	18 kW	12 kW	7 kW
Heat removal (high flow application)	45 kW	47 kW	7 kW
Cooling loop temperature (low flow applications)	31,5 °C	19 °C	-
Cooling loop temperature (high flow applications)	30 °C	17 °C	-
Flow rate	-	-	7 - 10 l/min

Requirements for the installation area	Scan room	Equipment room
Temperature	15 - 21 °C	-
Temperature gradient	± 3 °C/hr	-
Humidity	30 - 60% RH	-
Humidity gradient	± 5% RH/hr	-
Temperature	-	15 - 32 °C
Temperature rate of change	-	max. ± 3 °C/hr
Humidity (non-condensing)	-	30 - 75% RH
Humidity change (non-condensing)	-	max. ± 5% RH/hr
Altitude	- 30 m - 2.600 m	
Magnetic field	max. 50 Gauss	
Relative elevation (relative to magnet)	-	± 5 m

Best Water Quality  
**SYSTEM SEPARATOR**

The system separator guarantees safe heat transfer from the MRI system to the central cold water supply and protects the cooling water circuit from contamination through environmental impacts.

If the central cold water supply should fail, tap water can be used to cool the MRI system via the emergency cooling connections.

