

MR-compatible Fluid Heating System for Small Animals



Specifications

Flexible heating pads ODxLxT mm:

mouse	38x 76x3
large mouse	48x102x4
rat	57x152x5

Curved heating pads WxLxT mm:

mouse	30x 76x3
large mouse	35x102x4
rat	40x152x5

Flat heating pads WxLxT mm:

mouse	30x 76x3
large mouse	35x102x4
rat	40x152x5

In bore tubing:

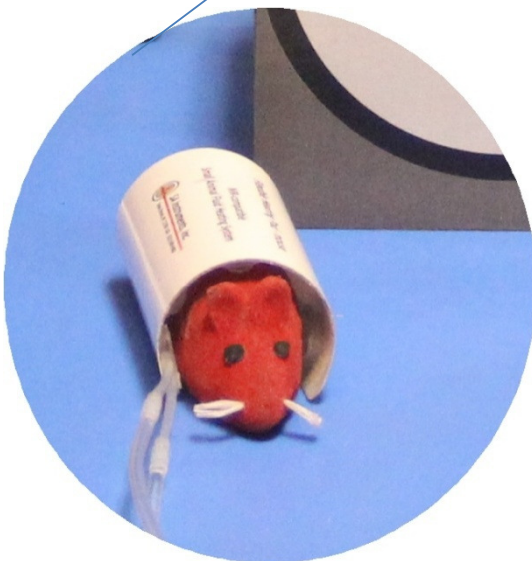
length	2.0 m inlet
	2.0 m return
OD	3.2 mm

Heater Module

Power	115 VAC, 4 Amps
	230 VAC, 2 Amps
Size hxwx d	16.4 x 8.9 x 26.0 cm

Circulator Module

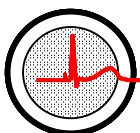
Power	12 VDC, 3 Amps
Size hxwx d	31.8 x 53.4 x 33.0 cm



Regulate the temperature of mice and rats during MR imaging

- Flexible heating pads 3 mm thick
- Small tubes carry fluid into the bore
- Response better than 1°C in 30 sec
- Polyether eliminates fluid signal in images

US patent 9,332,927



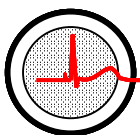
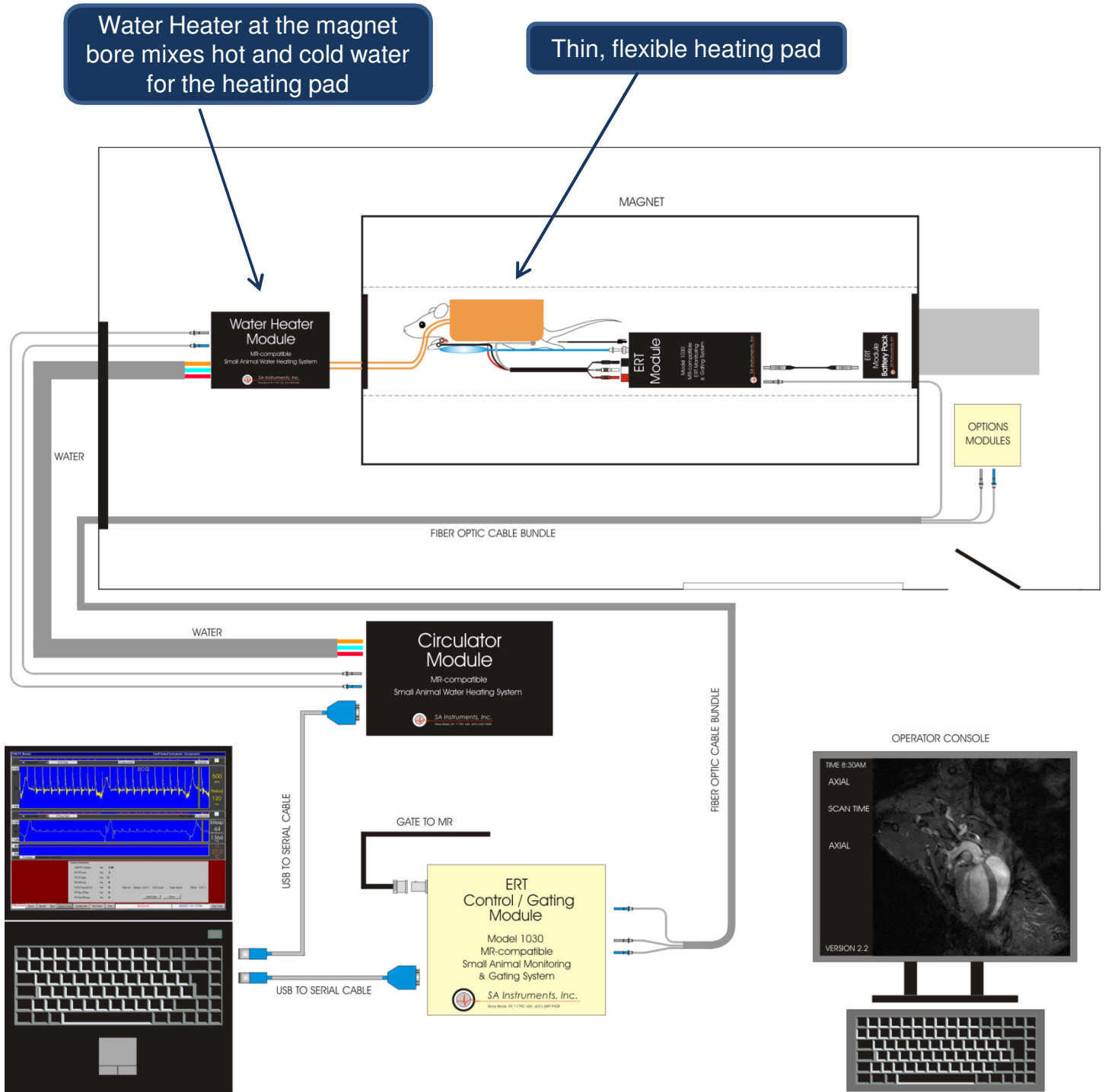
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