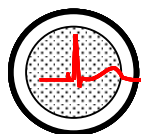


MR-compatible Veterinary Patient Heating System



SA Instruments, Inc.

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MR-compatible Veterinary Patient Heating System

Control animal temperature in MR

- Heating blankets for small and large patients
- System components located near the magnet
- Good temperature response
- Easy to use

During MR examinations that can last an hour or more small dogs and cats can get cold from sedation while large dogs can get hot from RF heating. The Veterinary Patient Heating System provides a reliable and easy solution for both of these problems. When the patient temperature is less than a user defined set point the blanket temperature is increased conversely when the patient temperature exceeds a user defined set point the blanket temperature is reduced.

The heating system consists of a Fluid Heater Module, a Circulator Module, a Reservoir and tubing to connect the Heater Module to a Heating Blanket in the magnet bore. The closed loop system operates with a constant flow of less than 2 GPH with pressure less than 10 psi. Fluid volume is approximately 0.5 gallon. The outlet temperature of the Heater Module is controlled around a user selected set point by SAll PC-Vet software running on a Windows based PC. The Circulator Module consists of a circulation pump, radiator and fan. The pump is low noise, with a service life of 30,000 hours.

Specifications

Fluid Heater Module

Input connections	power, control, fluid (2)
Output connections	fiber optic data, fluid (2)
LED indicators	power on – green heater on - yellow
Control	fiber optic pulse width modulation
Power	115 VAC, 4 Amps 230 VAC, 2 Amps
Size HxWxD, in	6.6x3.5x10.2
Weight, with water	1.5 lb

Circulator Module

Input connections	power, fluid
Output connection	fluid
LED indicators	power, high magnetic field
Power	12 VDC, 1 Amp
Size HxWxD, in	4.3x9.0x8.0
Weight	1.0 lb

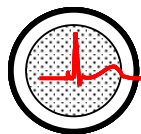
Heating Blankets

medium	WxLxT in: 9.5x15x0.2
large	12x24x0.2

Reservoir

Size HxWxD in	3.3x4.0x8.0
Weight, with water	0.5 lb

Note: heating blankets have 3 m of free tubing to allow connection to the Heater Module without the use of connectors.



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