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DESCRIPTION

To ensure that the room environment meets the specifications required for proper equipment operation, it is necessary that a temperature and humidity check be performed.

With a temperature and humidity recorder, record the parameters specified in Table 1 over an extended period of time.

TABLE 1
TEMPERATURE AND HUMIDITY SPECIFICATIONS

Area	Temperature Range °F (°C)	Temperature Regulation °F (°C)	Temperature Change °F/Hr (°C/Hr)	Humidity (%)	Humidity Change (%/Hr)	Max. Room Gradient °F (°C)
Equipment Room at Inlet to Equipment	59 – 90 * (15 – 32)	± 5 (3) within temperature range	5 (3)	30-75*	5	5 (3)**
Magnet Room	70 – 79 (21 – 26)		5 (3)	30-75*	5	5 (3)
Operator's Control	59 – 90 * (15 – 32)		5 (3)	30-75*	5	5 (3)

Note - * Non-condensing humidity with 50% nominal at 65°F (18.3°C).
****** Room temperature gradient specification applies from floor to height of top discharge of equipment cabinets.

Note

Although prior check out of the air conditioning system may have been performed, there is a need to balance the system to match Signa equipment heat load (all cabinets and modules turned on).

To help prevent a patient from feeling uncomfortably warm during a scan, ensure that the magnet room temperature does not exceed maximum temperature specified in Table 1.

REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
0	Mar 27, 2000	Y. Masumo	Initial Release