



BleaseGenius MRI

ANESTHESIA FOR THE MRI ENVIRONMENT

As demand on the MRI suite increases, relying on non-MRI compatible anesthesia equipment is no longer considered an acceptable compromise. When anesthesia is required, either to calm anxious patients, pediatrics and neurologically handicapped patients or for more extensive surgery, the BleaseGenius system is fully MRI compatible and can work in close proximity to the scanner without adverse effects.

The system comprises the BleaseGenius MRI anesthesia machine, the Blease2200 pneumatically driven ventilator, the BleaseDatum vaporiser and the BleaseCAS1 absorber. It can be used with circle or semi-closed circuits and for

both adult and pediatric patients. Unlike other systems the MRI BleaseGenius can be used in close proximity to the scanner (up to the 1000 gauss line, 1.5 and 3 tesla). This offers a number of benefits which include the opportunity for the clinician to work closely to their patient and eliminates the need for extra long breathing circuits which can cause a loss of system compliance especially when used on pediatrics.

Certified by Siemens AG and Philips Medical Systems for its proven compatibility with their range of open dosed and interventional MRI scanners the MRI Genius is a compact and inexpensive system.



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Features

BleaseGenius 2200

- Complete MRI compatible anesthesia system
- 2 or 3 gas machine with a one-station SELECTATEC[®] backbar
- Optional airway pressure disconnect alarm
- Choice of cascade or simplex flowmeters
- Wall, rail or trolley mounted options
- Air/N₂O interlock as standard
- Optional oxygen monitor
- Made entirely from non-ferrous metals
- Can be safely used up to the 1000 Gauss line
- Battery operated and pneumatically driven



Dimensions

Trolley mounted Genius MRI Ventilators

Height	Width	Depth
1.495m / 4.9ft	0.615m / 2.0ft	0.73m / 2.4ft

Ventilators

Model	Height	Width	Depth
2200	0.369m / 1.2ft	0.95m / 0.3ft	0.21m / 0.7ft

(inc patient valve)

Inspiratory time	0.25 – 3.0 seconds
Expiratory time	0.5 – 6.0 seconds
Flow rate	0.2 – 1.0 lps
Pressure relief	20 – 80cm H ₂ O
Minimum tidal volume	50ml

Range of flowmeters with hypoxic guard

Gas	O ₂	N ₂ O	Air
Standard	0.1 – 10 lpm	0 – 12 lpm	0.1 – 15 lpm
Cascade	low range	0 – 1.0 lpm	0.1 – 1.0 lpm
Cascade	high range	0 – 10 lpm	0 – 10 lpm

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