

- ♦ Approved for use with 0.55, 1.5, 3.0 and 7.0 Tesla scanners, up to 1000 gauss¹
- ♦ Electronic touch screen ventilator
- ♦ Designed specifically for use in an MRI environment
- ♦ Compact footprint, optimum manoeuvrability
- ♦ Total system compatibility
- ♦ Designed and manufactured in the UK



TESTED AND APPROVED FOR USE WITH
**GE Healthcare, Philips and
Siemens MRI Scanners²**

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HSP-451 MRI Anaesthetic Machine



Feature-rich specification for your complete solution
for safe, advanced anaesthesia in the MRI suite

- 1 Six ventilation modes, and patient support for spontaneous breathing
- 2 Auxiliary oxygen flowmeter (option)
- 3 Sigma Delta vaporizer with interlock, four agent and two filler block options
- 4 Large workspace
- 5 Enclosed body construction or new optional drawer unit³
- 6 Lockable castors - assists stability
- 7 GCX™ compatible aluminium uprights for secure accessory mounting
- 8 Integrated CO₂ absorber with ventilator interface

The HSP-451 is a compact MRI anaesthetic machine, with advanced patient support modes, and has been designed for use with 0.55, 1.5, 3.0 and 7.0 Tesla scanners¹

Prima 451 is a sophisticated design, tested for performance stability and effect on image, and built for the special requirements of the anaesthetist working in the MRI suite.

MRI compatibility

The Prima 451 is an MR-conditional anaesthetic machine, approved for use with 0.55, 1.5, 3.0 and 7.0 Tesla MRI scanners, up to 1000 gauss¹.

- Tested as a complete system³, as illustrated
- Approved for use with GE Healthcare, Philips and Siemens MRI scanners³
- Distinctive colour scheme and labelling

Platform

The Prima 451 Anaesthetic Machine has a strong core specification including integrated AV-S Ventilator and A200SP Absorber.

- Two station Selectatec compatible backbar³
- Fully compliant to ISO 80601-2-13 standard, and to the Restrictions of Hazardous Substances (RoHS) Directive.
- GCX™ compatible, secure top mounting system for patient monitor²
- Enclosed body construction, now available with an optional drawer unit³
- Cylinder³ and pipeline gas supply inlets

Options

- Front or rear-mounted common gas outlet
- Wide choice of territory-specific electrical power outlets

Accessories

Pentlon supplies side-mounted accessories suitable for use in the MRI suite, with provision for secure mounting on the side of the machine.

- AGSS (anaesthetic gas scavenging system) receiver
- Suction controller kit
- Therapy flowmeter
- Sigma Delta
- Diamond MRI Fibrelight Laryngoscope

System components

Ultra low-flow anaesthesia, from a reliable platform, combining advanced features and value for money. The Prima 451 is easy to use and maintain, with proven performance and low life costs.

1 AV-S Ventilator

An easy to use, multifunction anaesthesia ventilator, designed for adult, paediatric and neonatal patient profiles. Standard specification includes three advanced spontaneous support modes and electronic PEEP. The AV-S has integrated oxygen monitoring and spirometry, plus seamless integration with both the absorber and anaesthetic machine.

2 A200SP Absorber

A high performance absorber with a ventilator interface as standard that provides ventilator mode switching, triggered by the bag/ventilator control. The unit has a quick-release canister, and the main components are autoclavable.

3 Sigma Delta Vaporizer with interlock

Award winning, high performance market leader, offering multi-choice agent and fill system options.

4 Flowmeter bank

Anti-hypoxic system giving enhanced patient safety. Cascade flow tubes as standard.

Maintenance and after-sales support

Pentlon is committed to a successful, long term relationship with all our customers. Comprehensive warranty provides user peace of mind and after-sales support.

Additional services and warranties can be purchased to meet your particular needs.

¹ Conditions apply. 1.5T and 3.0T tested with GE, Philips and Siemens MRI scanners. 0.55T and 7.0T tested with Siemens MRI scanners.

² Visit www.pentlon.com for further information and to download compatibility statements.

³ Do not place any object on or in this machine unless it is specifically labelled to be used in an MRI scanning room and on the Prima 451 MRI Anaesthetic Machine.

