

Penlon Prima 451 MRI Anaesthesia System

ANAESTHESIA SOLUTIONS

- ◆ Approved for use with 1.5 and 3 tesla scanners, up to 1000 gauss[†]
- ◆ 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



Penlon Prima 451 MRI Anaesthesia System



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 construction – no hidden storage areas promotes MRI-safe operation
- 6 Lockable castors - assists stability
- 7 GCX™ compatible aluminium uprights for secure accessory mounting
- 8 Integrated CO₂ absorber with ventilator interface

The Penlon Prima 451 is a compact MRI anaesthesia system, with advanced patient support modes, and has been designed for use with 1.5 and 3 tesla scanners

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 anaesthesia system, approved for use with 1.5 and 3 tesla MRI scanners, up to 1000 gauss[†].

- Tested as a complete system*, as illustrated
- Distinctive colour scheme and labelling

Platform

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

- Two station Selectatec compatible backbar*.
- 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 monitor*
- Enclosed construction – no hidden storage areas promotes MRI-safe usage
- Cylinder* and pipeline gas supply inlets

Options

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

Accessories

Penlon 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

Penlon 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.

[†]Conditions apply.

*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 anaesthesia system.



About Penlon ♦

Penlon was founded in 1943 by personnel from the Department of Anaesthesia at Oxford University. One of the first products was the Macintosh Laryngoscope, then a revolutionary design, and still the most widely used today, invented by the late Sir Robert Macintosh, Professor of Anaesthetics at Oxford University.

Today Penlon continues to design, engineer and build high quality anaesthesia products at its UK headquarters. The company is proud to have over 70 years' dedicated experience, many awards for product design, and an impressive four Queen's Awards for Enterprise, one for 'Innovation' and three for 'International Trade'.

Penlon devices feature intuitive user interfaces that require minimal operator training, putting clinicians in control, enabling them to focus on what is most important – patient safety and wellbeing.



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