

Anaesthesia Solutions

The Future of Anaesthesia

Prima SP2 Anaesthesia System



The Prima SP2 with integrated AV-S Ventilator and A200SP Absorber provides the user with an easy to use, advanced anaesthesia system

Advanced easy to use features for maximum patient safety

Comprehensive specification including choice of two or three vaporizer stations

Ultra low flow anaesthesia

Advanced AV-S ventilator with six ventilation modes

A200SP Absorber with ventilator interface

'Life-Care' or optional 'Life-Care Plus' Warranty and Customer Care scheme

Partnership for Life



Prima SP2 Anaesthesia System

Advanced technology, flexible specification,
open architecture and easy to use

With its integrated design and superior build quality, each anaesthesia system is custom built to meet your requirements

- High levels of workstation integration
- Modular construction
- GCX™ channel mounting
- Open architecture for monitors and accessories
- Up to four gases
- Lockable drawer
- Pull out writing tablet
- Two or three station Selectatec backbar
- Low cost of ownership - two preventive maintenance services per year

- Optional Features
- Dual oxygen, nitrous oxide, and air flowmeters
 - Additional monitor shelf
 - Flowmeter and work surface lighting
 - Electrical outlets
 - Oxygen auxiliary flowmeter

- Balanced ultra low flow anaesthesia, plus patient safety with proven Mechanical AHD system
- Specifically designed for low flow
 - 50-75 ml/min minimum oxygen flow
 - 27-33% minimum Oxygen / Nitrous Oxide flow
 - Mechanical Anti-Hypoxic Device

New! GCX Arm
for Patient
Monitor and
Ventilator



Prima SP2 Anaesthesia System with
three station Selectatec backbar

System Modules

AV-S Ventilator

The intuitive user interface and comprehensive support modes provide optimum therapy for all patient profiles

Combines sophistication and ease of use
 Colour Touchscreen and Com-wheel control
 Volume and Pressure ventilation, plus PEEP, Pressure Support, SIMV, SMMV and Spontaneous Monitoring
 Single/dual waveform display
 High quality, multi-option product with flexible specification
 Built-in oxygen, volume and pressure monitoring
 Fresh gas flow compensation



Sigma Delta Vaporizer

The award winning Sigma Delta has evolved from a distinguished line of vaporizers of the highest quality and reliability into the world market leader

Service Free*

•••Selectatec, Drager Plug-In, North American Drager, Cagemount
 Superb performance, particularly at low flows
 Halothane, Enflurane, Isoflurane, Sevoflurane
 Keyed Filler, Quik Fil®, or Pour Fill
 Low Body Weight



*Presumes ten year product life requiring no preventive maintenance service. It is recommended that a service is carried out at ten years.

Selectatec is a Datex Ohmeda Trademark

A200SP Absorber

Combining advanced system integration, ease of use and high performance

Absorber/Ventilator interface provides seamless ventilation mode switching
 Excellent ergonomics with multi-position mounting and adjustable breathing bag arm
 Optional heated circuit
 Protected, integrated spirometry sensors
 Quick release canister for loose or pre-packed absorbent
 Built-in oxygen monitor sensors
 Autoclavable†



† Covers, manometer and oxygen sensor are not autoclavable

Accessories

Expanding the capabilities of the Prima SP2 through a range of high quality accessories

Nuffield 200 Ventilator
 IDP Alarm
 Suction Controller
 Selectatec® vaporizer parking station
 Wide range of accessories, including sharps bin mounts
 Drip stand
 AGSS receiver
 Patient cable management arm



Technical Specification

Prima SP2

Physical	
Size (H x W x D)	1370 x 720 x 800 mm
Weight	75 kg
Top Shelf	720 x 480 mm
Work Surface	650 x 300 mm
Drawers (Maximum of three)	190 x 520 x 390 mm
Power Outlets (Optional)	4 x IEC • 13 Amp • FDA/CSA • European/Russian
Power Required	110/120 or 220/240 VAC
Features	
Vaporizers (Max.)	Three
Gases	Oxygen, Nitrous Oxide, Air, Carbon Dioxide*
Cylinder Yokes	Four
Oxygen Fail Safe	Yes
Anti-Hypoxic Device	Mechanical, 27 to 33%
Integrated A200SP Absorber	Yes
Integrated AV-S Ventilator	Yes
Standards	All relevant to markets, including ASTM & CE

*Not available for US specification machines

A200SP Absorber

Physical	
Size (H x W x D)	420 x 230 x 430 mm
Weight (empty)	15 kg
Absorbent Capacity	1.3 kg

AV-S Ventilator

Physical	
Size (H x W x D)	185 x 290 x 300 mm
Weight	7.6 kg
Screen	210 mm (8.4") TFT
Bellows (Latex free)	20 to 1600 ml, Paediatric option 20 to 350 ml
Power	90 to 264 VAC, 47 to 63 Hz
Drive Gas	Oxygen or Air
Functional	
Ventilation Modes	Off, Standby, Volume, Pressure Controlled, Spontaneous, SIMV, SMMV, PSV (for use in anaesthesia procedures only)

Sigma Delta Vaporizer

Size	
Selectatec Compatible with Interlock (H x W x D)	242 x 120 x 190 mm
Drager Plug-In [®] Compatible with Interlock (H x W x D)	242 x 100 x 190 mm
Cagemount (H x W x D)	219 x 133 x 158 mm
Physical	
Weight	5 kg
Capacity	Volume at MAX mark: 250 ml nominal Volume at MIN mark: 35 ±10 ml
Note After draining, approximately 60 ±10 ml of liquid is retained by the wick	
Flow Range	0.2 to 15 litres / min
Temperature Range	Operating: 15 to 35°C (58 to 95°F)

Partnership for Life

Penlon's philosophy embraces commitment to a successful, long term relationship with all our customers.

Life-Care

Life-Care is designed to give our customers after-sales peace of mind. 'Life-Care' consists of our comprehensive standard warranty and after-sales support package. 'Life-Care Plus' allows customers to purchase additional services and warranties to meet their particular needs.

For further details, please contact your Penlon Sales or Service Representative.

