

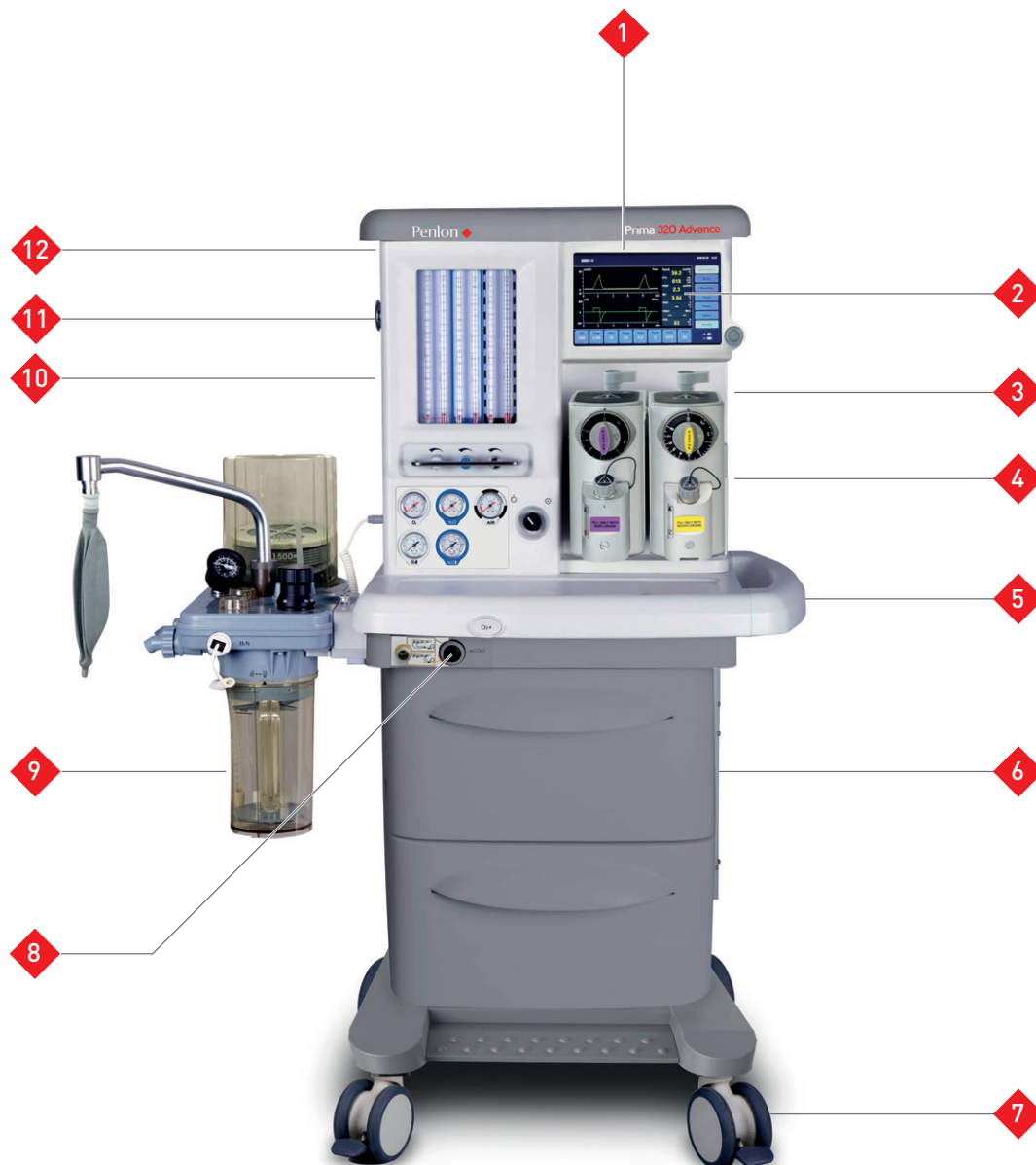
# Penlon Prima 320 Advance Anaesthetic Machine

## ANAESTHESIA SOLUTIONS

- ◆ 10.4" TFT colour touchscreen
- ◆ Eight ventilation modes
- ◆ Optional Anaesthetic Gas, CO<sub>2</sub> and SpO<sub>2</sub> monitoring
- ◆ Integrated CO<sub>2</sub> absorber and bellows unit with ventilator interface
- ◆ Selectatec compatible back bar
- ◆ Switchable front facing common gas outlet



# Penlon Prima 320 Advance Anaesthetic Machine



All the features and options you need to configure a system to your exact requirements

- 1 10.4" TFT colour touchscreen
- 2 Eight ventilation modes
- 3 Optional Anaesthetic Gas, N<sub>2</sub>O, CO<sub>2</sub> and SpO<sub>2</sub> monitoring
- 4 Selectatec® compatible backbar (two stations)
- 5 LED illuminated work spaces
- 6 Large capacity drawer units
- 7 Optional central brake
- 8 Switchable front facing common gas outlet for open and closed circuit operation
- 9 Integrated CO<sub>2</sub> absorber and bellows unit with ventilator interface
- 10 GCX™ compatible aluminium uprights for additional accessory mounting
- 11 Optional auxiliary O<sub>2</sub> outlet
- 12 Three electrical outlets

# The Penlon Prima 320 Advance is a high specification anaesthetic machine providing the ideal solution for today's busy operating room

Clinician-focused choices and benefits, including intuitive 10.4" TFT touchscreen ventilator display with eight ventilation modes and optional Anaesthetic Gas, CO<sub>2</sub> and SpO<sub>2</sub> monitoring



## Ventilator Control and Visualisation

10.4" TFT colour touchscreen ventilator display with navigator wheel and audio/visual indicators.



## Enhanced Patient Safety

Accurate mechanical anti-hypoxic device and automatic drive gas switching function.



## Waveforms and Respiratory Loops

Choice of up to 10 waveform and respiratory loop displays.



## Dual Flow Sensors

Inspiratory and expiratory volume measured and displayed on the screen.



## Patient Profiles

Suitable for adult, paediatric and neonatal patient profiles.



## Additional Monitoring

Optional Sidestream or Mainstream Anaesthetic Gas, and Sidestream CO<sub>2</sub> and SpO<sub>2</sub> monitoring.



## Alarms

Audible and visual alarms with colour coding to highlight importance.



## Electrical Power

Three electrical power outlets to meet your requirements.



## Battery BackUp

Provides power to the machine for up to 2 hours, in the event of an AC mains power failure.



## Gas Supply Options

Two cylinder yokes (O<sub>2</sub> and N<sub>2</sub>O) and three central pipeline connections (O<sub>2</sub>, N<sub>2</sub>O and Air). O<sub>2</sub>/Air ventilator drive gas options.



## Auxiliary Common Gas Outlet (ACGO)

Control switch and front outlet for connecting an open breathing circuit.



## Active AGSS

Disposes of waste gas and prevents possible health hazards to operating room staff.



## Maintenance and After-Sales Support

Comprehensive warranty provides peace of mind and after-sales support. Additional services and warranties can be purchased to meet your particular needs.



## Standards Compliant

Fully compliant to ISO 80601-2-13, ISO 80601-2-55 and IEC 60601-1.

## 1 Ventilation Modes

Eight ventilation modes are available (VCV, PCV, PRVC, SPONT/PSV, SIMV-V, SIMV-P, SIMV-PRVC, and Manual) with PEEP available in all modes except Manual.

## 2 CO<sub>2</sub> 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 built-in heating system and the main components are autoclavable.

## 3 Anaesthesia Vaporizers

The award winning Sigma Delta and the new Sigma EVA desflurane vaporizers offer multiple agent and filler system options to suit all clinical requirements.

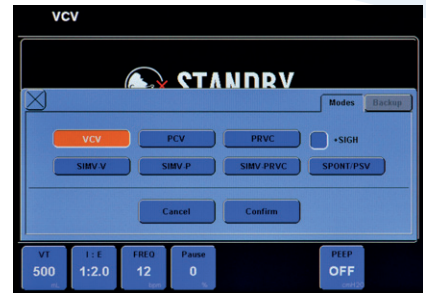
## 4 Penlon Patient Monitors

Simple intuitive user interface enables clinical staff to concentrate on improved patient outcomes with accurate physiological data, and to respond immediately to any change in condition.



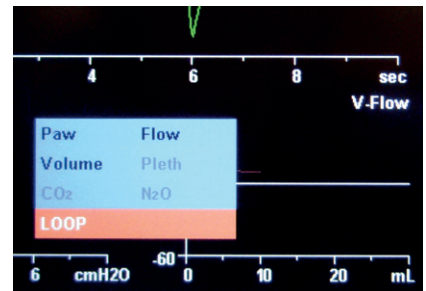
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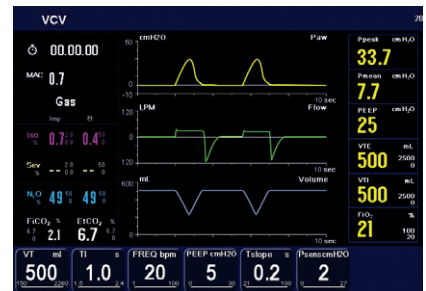
## Waveform Display

Two user-selectable waveform displays with a choice of Airway Pressure, Flow Rate, Tidal Volume, P-V Loop, V-F Loop, CO<sub>2</sub> or Pleth.



## Monitoring

All measured parameters are grouped on-screen in an easily accessible display window, including Anaesthetic Gas, N<sub>2</sub>O, CO<sub>2</sub>, SpO<sub>2</sub> and age-related MAC.



## Trends Data

Trend review of parameter values within a specific time period up to 24 hours. User selectable parameter and time scale options.



The Penlon Prima 320 Advance anaesthetic machine provides advanced ventilation modes, accurate control and monitoring capabilities in a cost-effective workstation.

## Alarms

User adjustable high and low alarm limits for all measured parameters and 100 event alarm log.



## Features and Benefits



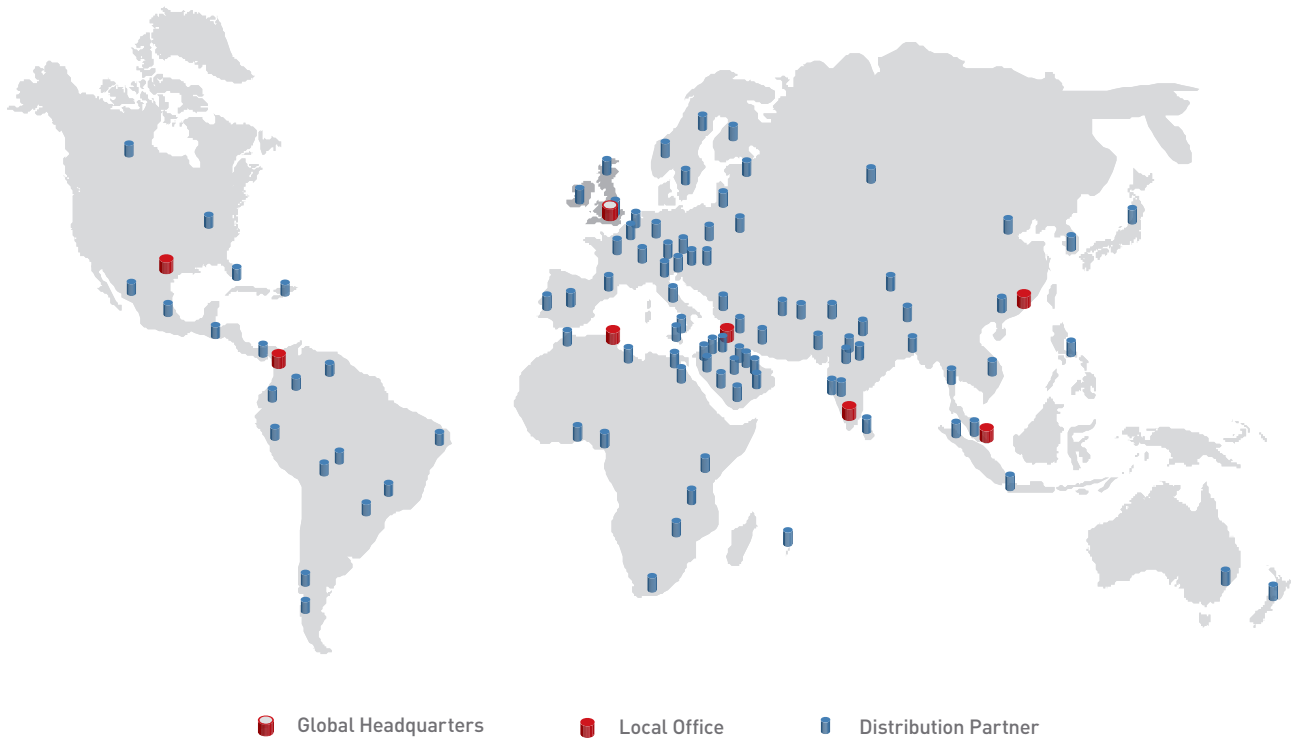
Features	Benefits
Cascade flow tubes	Accurate gas delivery, particularly at low flow rates
Multi-mode ventilator	Suitable for multiple patient types and clinical cases
Optional Anaesthetic Gas, N <sub>2</sub> O, CO <sub>2</sub> and SpO <sub>2</sub> monitoring	Comprehensive gas monitoring for enhanced economy and patient safety
Integrated heater and water trap on the CO <sub>2</sub> absorber	Reduces the risk of condensation
Absorber CO <sub>2</sub> bypass	Can change absorbent while ventilating a patient
Eight ventilation modes	Comprehensive choice provides optimum patient care
Selectatec back bar	Can be used with any compatible vaporizer
Mechanical anti-hypoxic device and automatic drive gas switching	Enhanced patient safety
Maintenance and after-sales support	Customer peace of mind
Air or O <sub>2</sub> drive gas	Ensures continuous use of ventilator
Territory-specific power outlets	Power external devices
AGS (anaesthetic gas scavenging) system	Alleviates contamination in theatre
Patient cable management arm	Reduces cable clutter
Oxygen therapy outlet	For recovery and added safety
Optional side mounted suction controller kit	Keeps airways clear

## 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.

Today Penlon continues to design, engineer and build high quality anaesthesia products at its UK operations 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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