



The **Penlon Prima SP2** is an anesthesia workstation that provides controlled concentrations and flows of anesthesia gases into the patient's breathing system. The SP2 comes with an open architecture that can fit any monitor or accessory. It offers ultra-low anesthesia flow, up to six different ventilation modes, and up to four gases. The Penlon anesthesia machine comes with a touchscreen AV-S ventilator and A200SP Absorber, providing medical professionals with an easy-to-use, advanced anesthesia system.

## Features

- Advanced, easy-to-use features for maximum patient safety
- Large color touchscreen
- Integrated design and superior build quality
- GCX mounting rails for superior mounting solutions
- Dual oxygen, nitrous oxide and air flowmeters
- Two oxygen, one nitrous oxide and one air yoke
- Two-station Selectatec back bar
- Flowmeter and work surface lighting
- Four electrical outlets
- Oxygen auxiliary flowmeter
- Six Ventilation Modes:
  - Spontaneous
  - Volume
  - Pressure
  - Pressure Support
  - SIMV
  - SMMV



# Specifications

## Dimensions

Height: 54 in (1365 mm)  
Width: 28.5 in (720 mm)  
Depth: 32.5 in (800 mm)  
Weight: 165.35 lbs ( 75kg)

## Gas Supplies

Cylinders: A maximum of four cylinder fittings can be specified All cylinder yokes are pin-indexed  
Fourth Gas Options: Carbon dioxide, Helium, Xenon  
Pipeline: Maximum of three (oxygen, nitrous oxide, air). All specifications to relevant national standards.

## Flowmeter Flow Range

Single flow Tubes:  
Oxygen: 0 - 10 L/min  
Nitrous Oxide: 0 - 10 L/min  
Air 0 - 10 L/min  
Helium 0 - 10 L/min  
Cascade Flow Tubes:  
Oxygen / Air / Nitrous Oxide 0 - 1000 ml/min  
0 - 10 L/min (graduated 1 - 10 L/min)  
Accuracy:  $\pm 2.5\%$  of full scale reading

## Gas Pressure

Pipeline supplies: 340 kPa (50 pig)  
Cylinder supplies:  
Reduced pressure from regulator (at 5 L/min flow) 310kPa + 15kPa / -35 kPa (45 pig +2psig / -5 pig)  
Regulator diaphragm bursting pressure 2800kPa (406 psig)  
Reduced pressure system safety valve: 600 kPa (87 psig)  
Safety valve (protects flowmeter, vaporizer etc.) 41kPa  $\pm 10\%$  (6 psi  $\pm 10\%$ )

## Operating Conditions

Temperature +10 to 38°C (50 to 100°F)  
Atmospheric Pressure range 70 kPa to 106 kPa  
Altitude 2438 m (8000 ft) maximum  
Humidity 10 - 95% R.H. non-condensing

## Transport and Storage Temperatures

Basic machine -5 to 40°C (23 to 112°F)  
Oxygen monitor option -5 to 50°C (23 to 122°F)

## Electrical Supply

Internal Power / Auxiliary power sockets  
US/CSA specification machines: 110 - 120 VAC, 60 Hz, 1350 VA maximum  
Non-US/CSA specification machines: 100 - 240 VAC, 50 - 60 Hz, 1100 - 2500 VA maximum  
Auxiliary power outlets / No internal power  
US/CSA specification machines: 110 -120 VAC, 60 Hz, 1200 VA maximum  
Non-US/CSA specification machines: 100 - 240 VAC, 50 - 60 Hz, 1000 - 2400 VA maximum  
Internal power / No power outlets  
Non-US/CSA specification machines only: 100 - 240 VAC, 50 - 60 Hz, 100 VA maximum  
Fuse: T2AH ceramic (1/4 x 1 1/4 inch) high breaking capacity fuses

