

ANESTHESIA DELIVERY SYSTEM

Asteros Lite



Asteros Lite has been designed as per international standard keeping in mind an initiative design system which allows the user a comfortable start.

Options customised to meet your specific needs

Options	O2 Cylinder Connection	O2 Cylinder Connection	N2O Cylinder Connection	N2O Cylinder Connection	O2 P/L Connection	N2O P/L Connection	2 Tube	4 Tube	Goldman Halothane vapouriser	Selectatec Bracket
Asteros Lite	✗	✗	✗	✗	✓	✓	✗	✓	✗	✓
Asteros 1100	✓	✗	✓	✗	✗	✗	✓	✗	✓	✗
Asteros 5000	✓	✓	✓	✓	✗	✗	✓	✗	✓	✗
Asteros PRIMA	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓

Technical Specifications

PHYSICAL

CONSTRUCTION

Tabular, Rigid Thermostat moulded with large drawer for storage. Four large diameter anti-static castor wheels providing easy mobility. Front castors have brakes.

GAS INLETS

Cylinder yokes: Gas specific, pin indexed yokes with slinding steel clamping bar for O2 and N2O as per model below:

Asteros Lite 1100: 1XO2, 1XN2O

Asteros Lite 5000/PRIMA: 2XO2, 2XN2O

Pipeline inlets: O2, N2O pipeline inlets available in PRIMA and Asteros Lite

PRESSURE REDUCING REGULATORS

Highly efficient and reliable PRESSURE regulators (2 stage in PRIMA) for O2 and N2O. N2O regulators are activated only if O2 regulators are pressurized. N2O regulators cut off on O2 supply failure

PRESSURE GAUGE

* Pressure gauge cylinder: O2 and N2O: 0 to 250 kg/cm2

Pipeline system: O2 / N2O, diameter-indexed (PRIMA)

O2/N2O piping station block with pressure gauge and 5m hose (Optional)

FLOWMETER

2 Tube/ 4 Tube long (230 mm) flowmeters calibrated in double scale for accuracy and clarity in reading.

2 gas: O2, N2O,

Anti-hypoxia system: Minimum 25-30% O2 at about 3kg/cm2 (PRIMA)
Scale: O2: 0.1- 1 LPM, 1 - 10LPM
N2O: 0.1- 1 LPM, 1 - 10LPM

N2O SAFETY CUT-OFF VALVE FOR OXYGEN SUPPLYING FAILURE

When the pressure of the supplying oxygen drops below about 2.5kg/cm2, nitrous oxide will be automatically shut off to protect a patient from the danger of hypo-oxygenation

OXYGEN FLUSH VALVE

Self-returning push Button
Flow: 35-75 LPM at 4 kg/cm2

OXYGEN FAILURE WARNING ALARM

Audio visual Alarm with buzzer and LED indicator, for more than 7 seconds to warn a danger when the pressure of supplying oxygen drops below about 2.5kg/cm3

VAPORIZER

Goldman Halothane vaporizer supplied as standard. (Standard with Asteros Lite 1100/5000/9000)

Designed to install up to maximum ONE Selectatec vaporizers. (Asteros Lite PRIMA)

OPTIONAL SYSTEMS & ACCESSORIES

CIRCLE ABSORBER SYSTEM

Twin Jar circle system with highest CO2 absorption efficiency. Easy to refill & change canister during case. Inbuilt APL & Pressure manometer for breath to breath airway pressure display. It will be supplied with LIMBO- circle circuit / Extended Bains Breathing circuit.

TEMPERATURE COMPENSATED VAPORIZER (Optional)

It is possible to use SELECTATEC Vaporizers of choice: Halothane / ISOFLURANE / ENFLURANE / SEVOFLURANE additionally installed with manifold for SELECTATEC Vaporizers.

Concentration increments
0-2 vol% in 0.2 intervals
2-6 vol% in 0.5 intervals

3 vol% safety lock

Agent capacity : 300 ± 10ml

Non-contamination-baffle in the anesthetic agent reservoir can prevent chamber inside from contaminating due to accidental tilting or inverting

Mounting type : Selectatec

Weight : 6kg

GAS ATTACHMENT (OPTIONAL)

Mox regulator with High Pressure Tubing for connecting to 10 Litres H2O capacity cylinder.



Prima



1100 / 5000

Features

2 Gas based – O2, N2O with 2 dual cascaded tubes

Low flow Anesthesia delivery

Anti corrosive thermoset FRP moulded robust construction

In built hypoxic guard mechanism for patient safety

Cylinder and pipeline gas connectivity for O2 & N2O (Prima)

User friendly design with conveniently placed components and functionalities

Systems Features & Options



Storage Space



Gas Connections



Breathing System



Low flow module with 4 tube flow meter



Temp. Comp. Vaporizer