

# SIGNET 515

Anesthesia Delivery System



The BREATH of LIFE



A Continuous Flow Anesthesia System ideally suited for any theatre

*\* Picture is an illustration. Refer Standard features for actual configuration*

**Avasarala Technologies Limited**

An ISO 9001:2008 and ISO 13485:2012 Certified Company

# SIGNET 515

## Anesthesia Delivery System

The BREATH of LIFE

### Anesthesia System's Salient Features

- Complete integration of Anesthesia system built-in ventilator and CO<sub>2</sub> Absorber system
- Stainless Steel, Aluminum frame body & drawer storage unit with work tray
- Colour coded ring indexed pipeline connections
- Pin indexed yoke for one O<sub>2</sub> & one N<sub>2</sub>O cylinder
- Anti Hypoxic Device with lever mechanism to prevent flows of less than 21% of Oxygen & 1:3 ratio conformity
- Four tube Rotameter for O<sub>2</sub> & N<sub>2</sub>O
- Single Selectatec Vaporizer (provision to mount standby vaporizer on side)
- Non-Return valve on Back Bar to protect vaporizer
- Patient Block with 22m / 15f mm Common gas outlet
- Emergency O<sub>2</sub> flush button & patient safety blow off valve at 50 cm of H<sub>2</sub>O
- Pneumatic Oxygen failure alarm with N<sub>2</sub>O cut-off mechanism
- O<sub>2</sub> reservoir storage backup & Auxillary O<sub>2</sub> outlet
- CO<sub>2</sub> Absorber with dual canister, Auto / Manual ventilation switch, bellows assembly



### Ventilator's Salient Features

- Electronically controlled and pneumatically driven Anaesthesia Ventilator
- Suitable for Adult & Paediatric by only changing the Canister
- Volume and Pressure controlled Ventilator with Time Cycle
- Monochrome LCD Display for P Vs T graph
- Built in PEEP
- Single knob control with feather touch buttons

#### Power

Input Power	220/240VAC 50Hz 60 mA
Battery Back-up	~ 3 hours (on full charge)
Drive Gas	Medical grade Oxygen or Air (dry and oil free) at 45 to 80 psi (310 to 550 Kpa)

#### Display

Display parameters	Pressure Vs Time waveform, T. Volume, Airway Pressure - Dynamic and Peak, Battery status and Alarms
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#### Functional

Tidal Volume	
Adult bellows	100 to 1600 ml with limit lock function
Pediatric Bellows	25 to 350 ml
Rate	4 - 99 bpm
I:E Ratio	1:0.5 - 1:9
Inspiratory Pressure	4 - 60 cm H <sub>2</sub> O
PEEP	4 - 20 cm H <sub>2</sub> O

#### Alarms

Visual and Audible alarm for Patient Disconnection, High Pressure, Low Pressure, Low Drive Gas & Low Battery

### Optional Features

- FiO<sub>2</sub> Analyser • Pediatric Canister Assembly • Scavenging System • Option to select O<sub>2</sub> or Air as Ventilator drive gas

#### WARNING

The equipment must only be used by qualified personnel, in accordance with the instructions of the manufacturer, as specified in the User Manual and should be serviced and maintained by the authorized service personnel. For Optimal use, this equipment may be used in conjunction with other related products.

Technological up gradation is a continuous process. Specifications and availability of the product mentioned in the leaflet are subject to change without notice. All the accessories shown are not part of standard scope of supply, unless otherwise specified in the written quotation.

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