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**DESCO**

DELIVERING TO THE WORLD

# Anesthesia Workstation Diamond

## (Model No : APAW 121)

Make in India



## Anesthesia Workstation Diamond Supplied by Desco Medical India

### Specification:-

Anesthesia Workstation with its ergonomic design, integrates a concise and smooth structure and high mobility. The microcomputer-controlled Ventilator adopts exported sensors and other components. Its scientific and proper design as well as rigorous production process are what demonstrate the inner quality of the Product.

Mechanical ventilation is made secure and visible by the folded respiratory bellows and the security of air supply is guaranteed by pneumatic transmission and measurement system. With multiple modern technologies applied, the Anesthesia Workstation is both outstanding in performance and versatile in functions.

The Ventilator adopts microcomputer control with high-definition 10.4" TFT color LCD display, integrating the functions of respiratory control and displaying the monitoring parameters. It is versatile in function and excellent in performance.

The high-precision Vaporizer is designed with a stable concentration output, automatic compensation for pressure, temperature and flow rate. And it is available to choose two kinds of gas from Halothane, Enflurane, Isoflurane, and Sevoflurane, ensuring a successful anesthesia operation.

High-definition five tube flowmeter (oxygen, nitrous oxide, and air) are designed with stoppers for oxygen and nitrous oxide to control the output oxygen concentration.

Reliable pneumatic transmission system.

Part of Anesthesia Workstation

Main Body : High-strength engineering plastic rack, light, beautiful and corrosion resistant

Scope of application : Adult and Child

Gas source : O<sub>2</sub>, N<sub>2</sub>O, Air: 0.28~0.6MPa

Flow meter : O<sub>2</sub>: 0.05~1.0L/min 1.1~10L/min

N<sub>2</sub>O: 0.05~1.0L/min 1.1~10L/min

Air : 0.05~10L/min

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O<sub>2</sub>, N<sub>2</sub>O linkage and N<sub>2</sub>O Stopper

When using nitrous oxide, oxygen concentration > 25%;

When the oxygen pressure < 0.2Kpa, the flow of nitrous oxide would be cut off.

Flow rate of rapid oxygen supply : 25 ~ 75L/min

Low oxygen pressure alarm : There will be sound alarm when the oxygen pressure < 0.2MPa

Vaporizer : It has the function of automatic compensation based on pressure, temperature, and flow rate. The regulation range of evaporator concentration is 0 ~ 5 vol%. Among Halothane, Enflurane, Isoflurane and Sevoflurane, two can be chosen for application as required by the customer.

Respiratory Circuit : Working mode: all-close, semi-close, semi-open

APL: ≤ 12.5kPa

Respiratory Bellows : Bellows for adults, tidal volume range : 0 ~ 1500 ml

Bellows for children, tidal volume range : 0 ~ 300 ml

Anyone can be chosen for application

Part of Ventilator

Display Mode : High-definition 10.4" TFT color LCD screen display

Ventilation Mode : VCV, PCV, SIMV, MANUAL

Ventilation Functions : PEEP, SIGH, IP, IRV, Standby

Ventilation Parameters : Tidal volume 20 ~ 1600 ml

Rate 2 ~ 99 bpm

SIMV rate 2 ~ 20 bpm

I:E 4:1 ~ 1:8

Inspiratory trigger pressure : -10 ~ 20cmH<sub>2</sub>O

PEEP : 2 ~ 20cmH<sub>2</sub>O

Pressure Range : 5 ~ 60cmH<sub>2</sub>O

SIGH 1.5 times the inspiratory time (60-120 adjustable)

Inspiratory platform : 0 ~ 50%

Pressure control : 3 ~ 50cmH<sub>2</sub>O

Pressure slope : 1 ~ 10 gear

Parameters for ventilation monitoring : Expired tidal volume, Inhale tidal volume, minute ventilation volume, IPPV rate, SIMV rate, total respiratory rate, autonomous inspiratory rate, I/E, peak pressure of airway, average pressure, PEEP, inspiratory trigger pressure, Inspiratory platform, oxygen concentration, battery capacity, pressure - time waveform, flow rate - time waveform, flow-volume loop, pressure-volume loop

Security Alarm System

Oxygen Concentration alarm

Upper limit setting range 21% ~ 99%

Low limit setting range 18% ~ 80%

Airway pressure alarm

upper limit setting range 5 ~ 60cmH<sub>2</sub>O

low limit setting range 0 ~ 50cmH<sub>2</sub>O

Per-minute ventilation volume alarm upper limit setting range 1 ~ 20L/min

low limit setting range 0 ~ 19L/min

Respiratory rate upper limit setting range 10 ~ 99bpm

low limit setting range 0 ~ 50bpm

Tidal volume upper limit setting range 10 ~ 1500ml

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low limit setting range 0~1400ml

Sustained high-pressure alarm it will give alarm when stress have consistently been higher than 25cm H<sub>2</sub>O

Suffocation alarm

Power alarm

Battery voltage alarm

Intubation off alarm

Power : AC 220V 50Hz (UPS, Storage battery)

Mechanical Arms : (End-tidal CO<sub>2</sub> monitoring)

(Specific interface of waste anesthesia gas)

\*Items within brackets are optional.

We are Exporters and Suppliers of Anaesthesia Workstation Diamond at wholesale competitive prices from India.

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