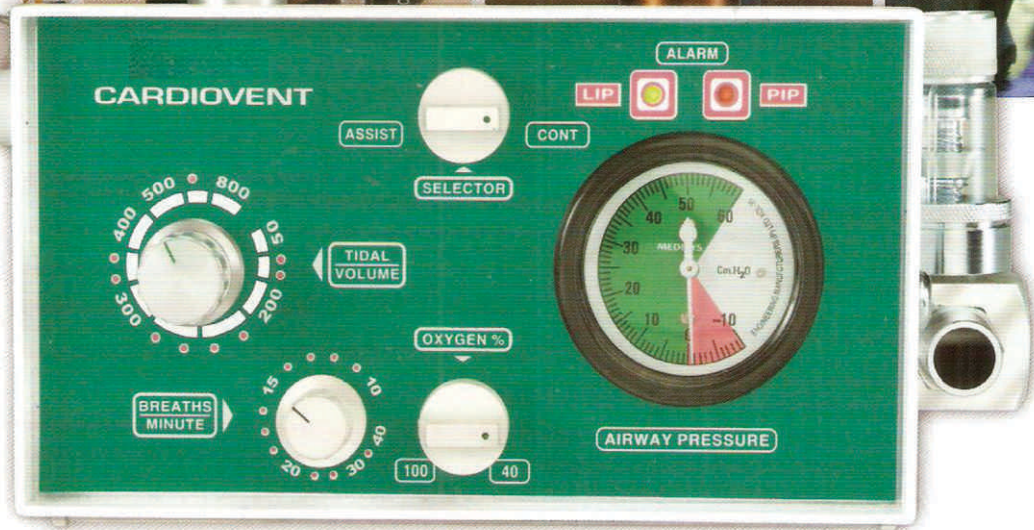
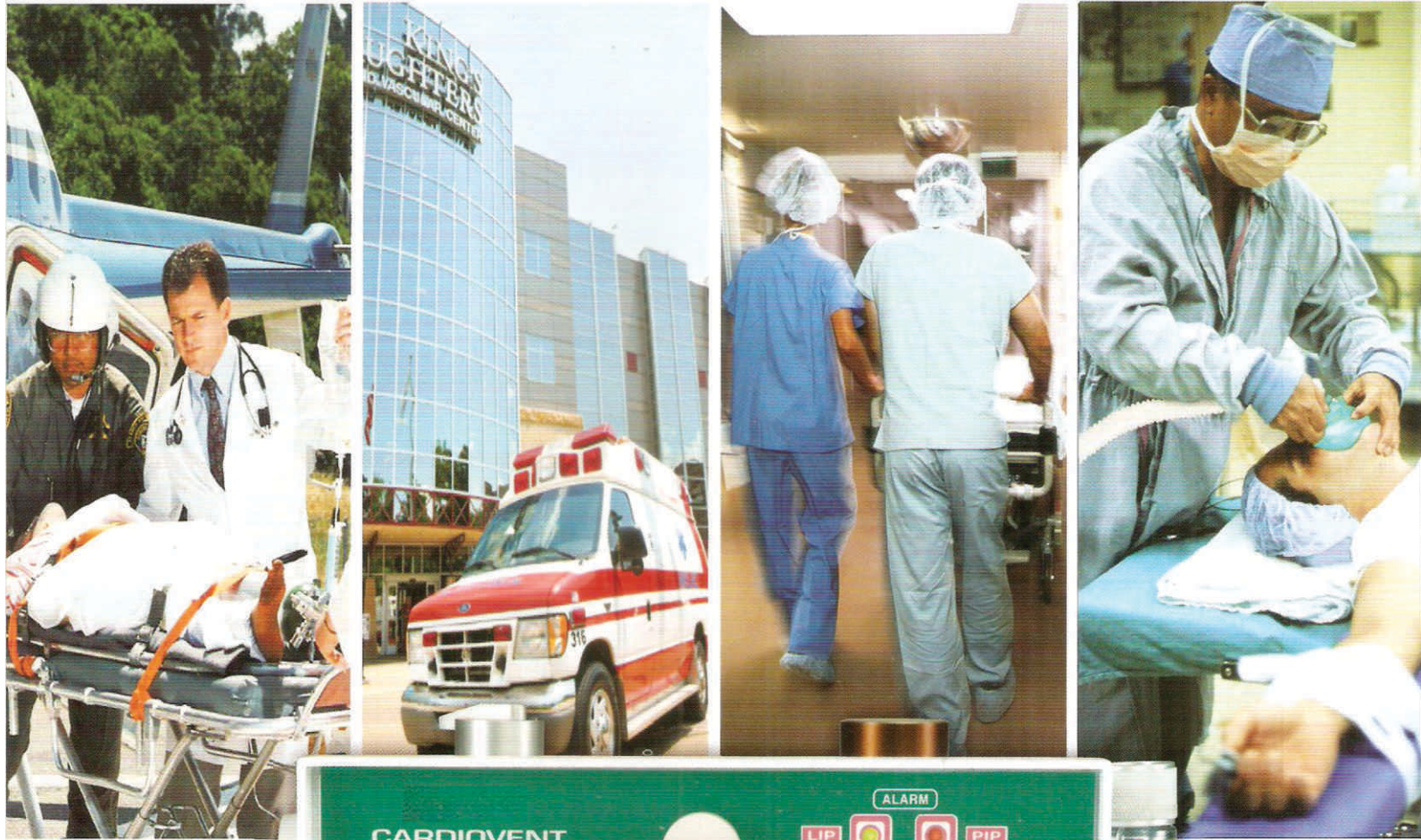


SECOND'S DELAY MAY RESULT IN A DEATH...



Avoid Delay... Save a Precious Life

www.kiransurgicalsystems.com

www.kiranmedicareequipments.com



Simple Ventilator... Simpler Controls

PORTABLE VENTILATOR

Swift and correct handling of a critical situation is the essence of success or failure when a precious life is at stake.

In most cases that require automatic artificial emergency ventilation, the ventilator is being operated primarily by para medical staff. Having an equipment with complicated controls makes his job more difficult and the situation more critical.

KIRAN CARDIOVENT has been basically designed to prevent such a disaster. Only two simple, user friendly, graduated and calibrated controls of TIDAL VOLUME and BREATHS PER MINUTE obviates the need for prolonged and time consuming adjustments of the controls. Sometimes, this may turn out to be the difference between life and death.

SPECIFICATIONS :

Classification	: Flow Generator
Mode of Operation	: Pneumatically Operated Time Cycled Controlled/Assist-Controlled
Source	: Oxygen/Air at 60 PSI
Graduated Tidal Volume	: In steps of 50, 200, 300, 400, 500 & 800 cc
Graduated Breaths/Minute	: In steps of 10, 15, 20, 30 & 40 BPM
Oxygen Concentration	: 40% and 100%
Plug-in O ₂ Flowmeter	: Flow Range 1 to 15 LPM
Audio Visual Alarm	: LIP for Low Inspiratory Pressure, Source Pressure Failure and Patient Disconnection. PIP for High Inspiratory Pressure beyond 40 cm of H ₂ O
Safety Pressure Relief	: Adjustable from 0 to 50 cm of H ₂ O
Battery	: 9 V

DIMENSIONS :

Control Module	: 25 cm X 23 cm X 13 cm
Weight	: 5.5 Kgs
Handle - cum - Stand	: Provided for easy portability. Also acts as a stand for keeping the ventilator at a slanted angle.

The unit is supplied with the following accessories in a carrying case :-

Ventilator, Breathing Circuit, Plug-in Type Oxygen Flowmeter, Pre-fixed Pressure Oxygen Regulator, High Pressure Tubing with End-fittings and Pipe Line Adaptor.



The Plug-in O₂ Flowmeter operates from the same Ventilator Driving Source.

*Warranty 12 months against any manufacturing defect.
A totally indigenous product with prompt After-Sales-Service*

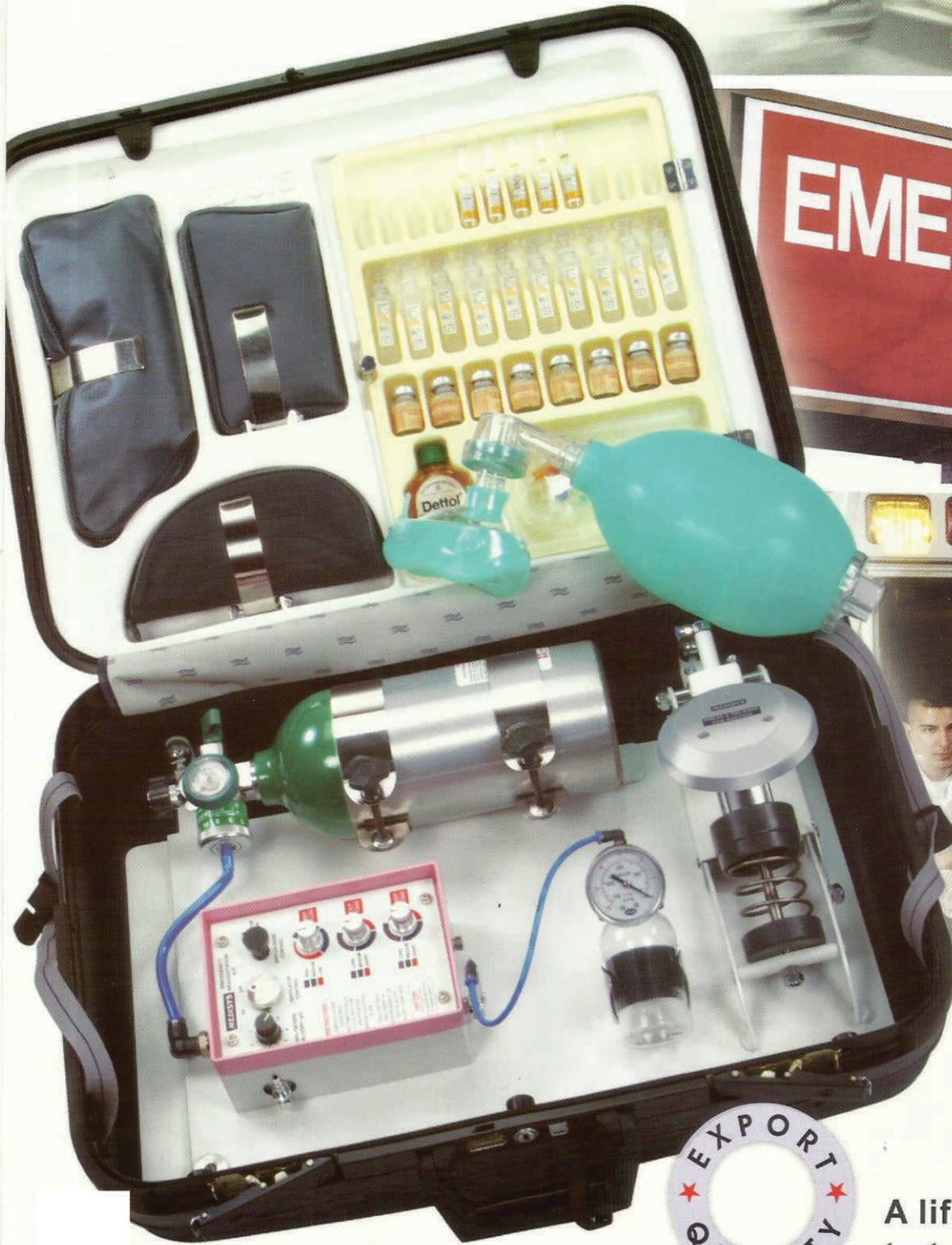
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the specifications without any notice*



KIRAN TECHNO SERVICES
PRIVATE LIMITED



EMERGENCY RESUSCITATION KIT



A life saving device
to take care of
any type of
medical emergency



EMERGENCY RESUSCITATION KIT

KIRAN Emergency kit is specifically designed to meet all such emergency situations where respiratory support in the form of Controlled Mechanical Ventilation (CMV), Automatic IPPR or continuous Oxygen Inhalation therapy is needed.

The unit is supplied with a pneumatically controlled time cycled ventilator, having only three controls for regulating Insp. Flow, Exp. Time & Insp. Time. In addition, provision of pneumatic suction and delivery of 100% oxygen makes it an ideal choice for taking care of any type of medical emergency.

SPECIFICATIONS :

Dimension	: 60cm x 44cm x 22cm (Approx.)	100% Oxygen Delivery	: 1 to 10 LPM
Weight	: 16 Kg.	Cylinder	: 1.7 Ltrs. Water Capacity Bull Nose Oxygen Cylinder
Mode	: Pneumatically Controlled Time Cycled	O ₂ Refilling Rod	: Bull Nose Type with Pressure Gauge
Tidal Volume	: 200 CC to 1200 CC (Approx.)	Expiratory Valve	: Open Venturi Type without any moving parts
Breathing Frequency	: 8 to 30 BPM	Carrying Case	: Blow Moulded with compartments for accessories, Drugs & Medicines etc.
I:E Ratio	: 1:1 to 1:7		
Regulator Pressure	: 60 PSI		
Pneumatic Suction	: 190 mm of Hg (Approx.)		
Foot Operated Suction	: Spring Loaded Piston cylinder type 600 mm of Hg (Approx.)		

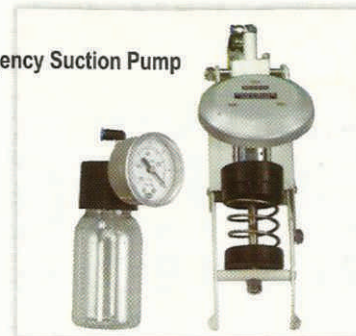
Warranty

12 months against any manufacturing defect.
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Emergency Suction Pump



Manual Resuscitator



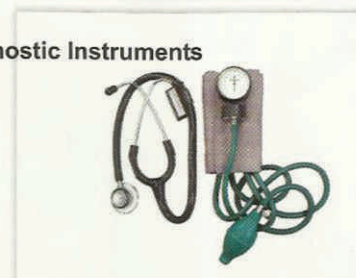
Oxygen Inhalation Therapy



O₂ Refilling Rod



Diagnostic Instruments



Intubation set



Surgical Items



All the items are conveniently assembled in a carrying case



FOR RELIABLE RESPIRATORY SUPPORT



MEDIVENT EXCEL

Electronic Anesthesia Ventilator

MEDIVENT EXCEL

The Kiran MEDIVENT EXCEL is a micro controller based electrically driven anesthesia ventilator. It provides for Control, Assist and SIMV modes. It is simple to operate and is suitable for closed, semi-closed or open anesthesia system. It simply runs on electricity and requires no driving gas.



FEATURES

- Micro-controller based
- No need of driving gas
- Apnea backup ventilation
- Port for Oxygen enrichment
- Adjustable safety valve
- Comprehensive alarms
- Low power consumption
- Low maintenance

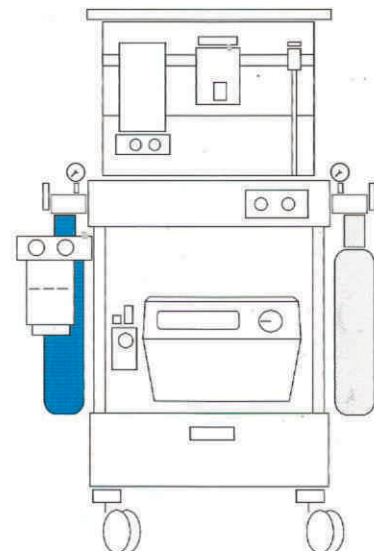
SPECIFICATIONS

Classification	Flow generator type
Modes	CMV, CMV + Assist, SIMV
Tidal Volume	50 to 1200 ml
Frequency	6 to 40 BPM (1 to 40 BPM in SIMV)
Inspiratory Time	0.4 to 3 seconds
I : E ratio	1 : 1 to 1 : 5
Inspiratory Hold	0 to 2 seconds
Apnea Backup	Every 4 seconds
Alarms	Patient disconnection, high/low pressure
Safety pressure	Adjustable: 10 to 60 cmH2O
Power consumption	60 W
Dimensions	410 X 230 X 280 mm

WARRANTY

The Medivent Excel is warranted to be free from defective materials and faulty workmanship for a period of 12 months from the date of installation.

The company reserves the right to change the specifications without notice.





EXCELSIOR

ANAESTHESIA WORKSTATION
WITH VENTILATOR

ALL
CONTROLS
ARE
WITHIN
YOUR
ARM'S
REACH



JUST SELECT THE CONTROLS
AND RELAX

KIRAN **EXCELSIOR** is a High End Anaesthesia Workstation that has an **in-built Electrically Operated Micro-Controller Based Ventilator**.

Special care has been taken to keep it **very simple, sturdy, compact and user-friendly**.

ANAESTHESIA VENTILATOR

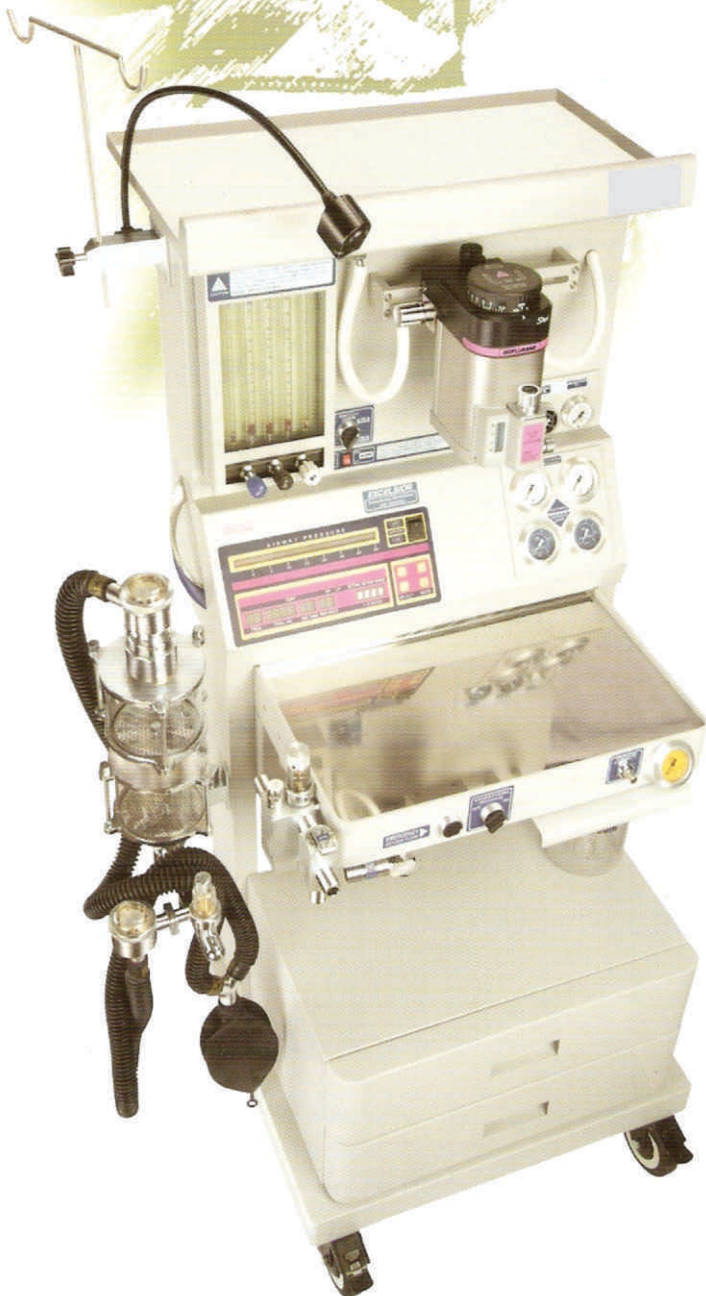
- Micro-Controller Based Electrically Driven
- Bright Display of Parameters
- Display of Airway Pressure in Bar Graph
- Compatible with Circle Absorber or Bain's Circuit
- Automatic Spill Device
- Adjustable Safety Valve
- Inspiratory Hold for better distribution of gas
- Variable 1:E Ratio

SPECIFICATION

Classification	:	Flow Generator Type
Driving Source	:	220 vAC
Mode	:	CMV
Tidal Volume	:	50 to 1200 ml
Frequency	:	6 to 40 bpm
Insp. Time	:	0.4 to 3 Seconds
Insp. Hold	:	0 to 2 Seconds
I/E Ratio	:	1: 1 to 1: 5
Alarms	:	Patient Disconnection, High Insp. Pressure, Low Insp. Pressure
Safety Valve	:	Adjustable : 10 to 60 Cm H ₂ O
Power	:	60 W

STRUCTURE

- Made of Aluminium Extruded Tubes and Channels with Powder Coated Finish
- 2 Drawers with Smooth Sliding Channels
- Sliding Writing Table
- Antistatic Large Castor Wheels, Front Wheels with Brakes
- Dip Stand with Double Hook
- Handle on each side for Easy Maneuverability
- Equipped with Electrical Distribution Box
- Space for mounting 2 Vaporizers



VAPORIZER MANIFOLD

Provision for mounting 2 Temperature and Flow Compensated Vaporizers.

FLOWMETER MANIFOLD

- **5 Tube Flowmeter Set**
- **2 Each High & Low Range Tube Set for O₂ & N₂O**
- **1 High Range Tube for AIR**
- Each Gas Control Valve fitted with **Colour and Shape Specific Control knobs**
- Fitted with **Oxygen Ratio Controller** which ensures minimum **25% O₂ Concentration**. If **Oxygen** delivery is altered, **ORC** automatically readjusts proportionate delivery of **N₂O**, thereby maintaining pre-set **Oxygen Concentration**



Gas	Flowmeter	Range
O ₂	Double	0 to 1 Litre/min
		1 to 12 Litre/min
N ₂ O	Double	0 to 1 Litre / min
		1 to 12 Litre / min
AIR	Single	100 to 15000 cc / min

GAS INLET

- Cylinder Inlet : **4 Forged Brass Pin Indexed Yokes**, 2 each for O₂ & N₂O with **Colour Coded Cylinder Pressure Gauges** at eye level.
- Pipeline Inlet : **Non-interchangeable Pipeline Inlet** for O₂, N₂O & AIR with separate **Pipeline Pressure Gauges** on the front at eye level.

Application	Gas	Qty.	Pressure Gauge Range
Cylinder	O ₂	2	0 - 250 kg / cm ²
Cylinder	N ₂ O	2	0 - 250 kg / cm ²
Pipe Line	O ₂	1	0 - 7 kg / cm ²
Pipe Line	N ₂ O	1	0 - 7 kg / cm ²
Pipe Line	AIR	1	0 - 7 kg / cm ²
Vacuum System	VACUUM	1	0 - 760 mm / Hg.

PRESSURE REGULATORS

4 First Stage Regulators, 2 each for O₂ & N₂O. **2 Second Stage Regulators** for maintaining **Systems Pressure**, 1 each for O₂ & N₂O.



AIR/N₂O INTERLOCK

This interlock system eliminates the possibility of selecting AIR with N₂O. Oxygen is allowed to flow with N₂O or AIR.

NITROLOCK WITH ALARM

Oxygen Failure Alarm is activated when O₂ delivery falls below 1Lpm. It also locks the flow of N₂O. Alarm will be on till the fault is rectified.

ALARM 'ON-OFF' SWITCH

It is provided to keep the Audible Alarm off.

NON RETURN VALVE WITH SAFETY RELEASE

Protects Reverse Flow from Patient Circuit towards Vaporizers. Also acts as a Safety feature to blow-off excess pressure built-up in the Patient Circuit.

OXYGEN FLUSH

Monostable Type Guarded Push Button fitted for supply of fresh Oxygen to the Patient Circuit.

VACUUM SYSTEM

Consists of Vacuum 'ON-OFF' Switch, Vacuum Control Valve with Pressure Gauge & Vacuum Collection Bottle. The System operates on AIR.

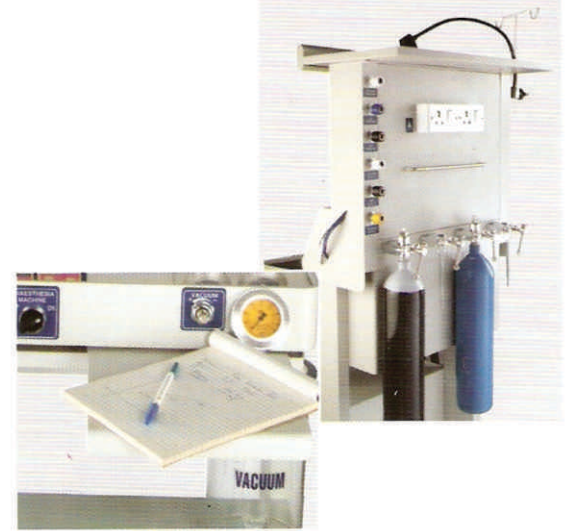
FiO₂ MONITOR

FiO₂ Monitor is provided to continuously record the delivered O₂ Concentration.

CIRCLE ABSORBER

1. Ideally suited for Low Flow Anaesthesia System.
2. 'O' Ring fitted taper joints ensure 100% leak proof system and easy maneuverability.
3. Cannisters can be taken out for refilling and push-fitted again to the circuit set-up very easily.
4. Supplied with 2 Cannisters, APL Valve & Patient Circuit.
5. Visual Unidirectional flow indicator at Inspiratory & Expiratory Valve.
6. Supplied with BAG - VENT Switch for easy changeover between Manual & Automatic modes.

Shelf	Height Cm.	Depth Cm.	Width Cm.	Maximum Load (Kg.)
TOP	149	35	65	22
TABLE	92	31	53	11



KIRAN TECHNO SERVICES
PRIVATE LIMITED

*Warranty 12 months against any manufacturing defect.
A totally indigenous product with prompt After-Sales-Service*

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SPECIFICATIONS

Dimensions (H x W x D)	1460 x 580 x 750 mm
Weight with Vaporizer	84 kg (approx)
Fresh gas flow	0-20 L/min
Backbar	for two Selectatec vaporizers with interlock safety mechanism
Absorber capacity	900 g
Ventilation modes	CMV (VC), CMV (PC), PRVC, SIMV (VC), SIMV (PC) and SPONT
Tidal volume	50 to 1500 ml
Respiration rate	1 to 40 bpm
Insp time	0.3 to 3 seconds
Insp Hold	0 to 2 seconds
Electronic PEEP	3 to 30 cmH2O
Sensitivity	0.5 to 8 cmH2O
PCV	0 to 40 cmH2 O
Monitored data	Tidal volume, Minute volume, Peak pressure, Plateau Pressure, Mean airway Pressure and alarm log
Alarms	Low / high Vt, low / high peak pressure, Low / high FIO2.

PREMIUM
ANAESTHESIA MACHINE WITH ORC



Integrated Safety Feature:
Oxygen Ratio Controller (ORC) ensures delivery of at least 25% Oxygen Concentration to prevent Hypoxia.

PREMIUM
ANAESTHESIA MACHINE WITH ORC

FEATURES

Oxygen Ratio Controller (ORC):

In the ORC, a slave valve pneumatically linked to two pressure balancing diaphragms of Oxygen & Nitrous Oxide guarantees delivery of minimum 25% Oxygen Concentration which can be raised anywhere in the range of 25% to 100% (±5%).

Oxygen Failure Protection Device (OFFPD):

KIRAN OFFPD works as a true Fail-safe system allowing flow of Nitrous Oxide only in presence of Oxygen at Rotameter level. It locks the flow of Nitrous Oxide in the absence of flow of Oxygen through its Rotameter.

Alarm:

Audio-Visual Alarm is activated if flow of Oxygen falls below 1 LPM.

Pneumatic Circuitry:

Completely encased, detachable Pneumatic Circuitry for easy & prompt service check up.

Circle Absorber System:

Circle Absorber System is provided with the unit.

Emergency Oxygen:

Emergency Oxygen Flush Button is provided at Table Top level on the front. It is recessed and guarded to avoid accidental pressing. Flow Range: 35 LPM Calibrated at 60 PSI (±5%).

Vaporizers:

The Vaporizer of Halothane is supplied as standard accessory. Provision for incorporating Vaporizer of user's choice in the Back Bar, Viz. Flouatec, Penlon etc. (optional).

Non-Return cum Pressure Relief Valve:

Blows off excess pressure in the Circuit. Release Pressure: 100 Cm H₂O (±10%).

Patient Circuit:

- a) Standard Magill's Circuit - 02 Nos.
- b) Complete Closed Circuit - 02 Nos.
- c) Face Mask - 02 Nos. (Adult & Child)
- d) Bain's Circuit (Adult and Paed.) - 01 No. Each.

Warranty : 12 months against any manufacturing defect.
A totally indigenous product with prompt After-Sales-Service

Rotameters:

230 mm long accurately calibrated Rotating Flowmeters:

Oxygen : 100 ml/min to 10 LPM
Nitrous Oxide : 200 ml/min to 12 LPM

Ventilator Driving Source:

Quick-fit system provided for driving a Ventilator. Operating Pressure: 60 PSI.

Construction:

Tubular Rigid Steel Section: Powder Coated.

Shell for Ventilator:

Sufficient space provided at the top level of Lower Drawer to place MEDISYS Medivent Servo or Medivent Excel Anaesthetic Ventilator (Ventilator optional).

Drawer:

Sufficient space provided in an extra - large storage drawer to accommodate all accessories.

Table Top:

Guarded Table Top provided with a Stainless Steel Tray (560 mm x 260 mm).

Instrument Tray:

Top Tray provided at eye level for keeping Monitoring Equipments.

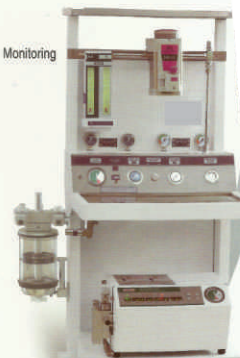
Gas Supply Options:

Central Gas : Oxygen & Nitrous Oxide with display Gauges.
Pipe Line
Pin-Indexed : 2 Nos. each for Oxygen & Nitrous Oxide. Each Gas Specific Yoke includes separate Gauge, Regulator and Mounting Hardware.
Yokes

Dimensions :

Height: 157 cm
Depth: 72 cm
Width: 62 cm

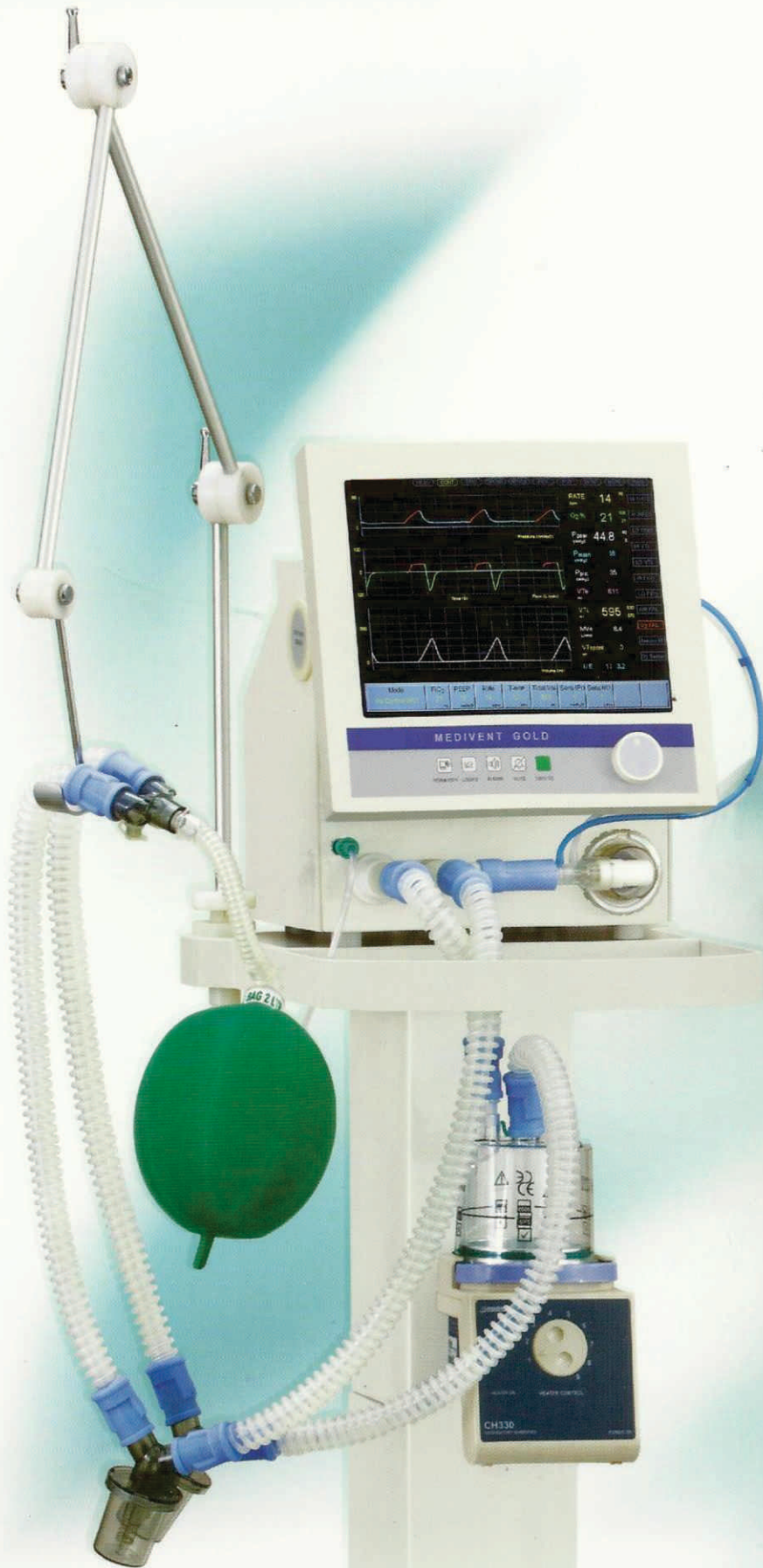
ISO 13485 : 2003
& ISO 9001-2008
Certified



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MEDIVENT GOLD CRITICAL CARE VENTILATOR



The ventilator is most advanced in technology offering features to meet the demands of critical care applications.

It maintains the much needed patient-ventilator synchrony and ensures superior patient comfort.

The choice of invasive and non-invasive ventilation modes makes it a universal ventilator for use on adult to paediatric patients.



MEDIVENT GOLD

CRITICAL CARE VENTILATOR

Medivent Gold uses the most modern and advanced technology in pneumatics and micro-controller electronics thus ensuring effective and efficient ventilation for the critically ill patients.

It focuses on safety and patient comfort by way of its advanced modes and meets the challenge of different clinical situations. Its feature of breath to breath correction ensures optimum ventilation against change in lung characteristics.

Flexibility

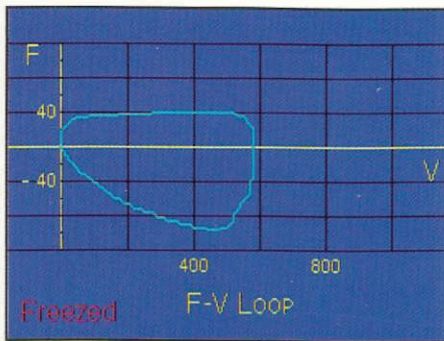
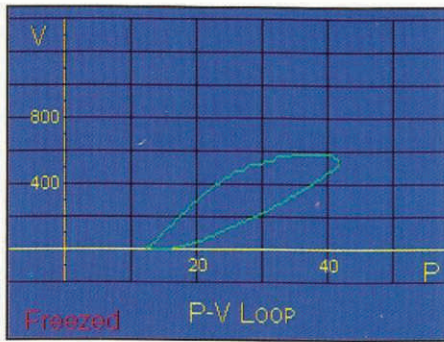
The ventilator runs on the dual supply of compressed air and oxygen. However, if failure occurs in either of the gases, the ventilator runs on the optional supply available.

Interactive modes

Apart from the control and support modes, the ventilator provides Autoshift mode where the control mode automatically shifts to the corresponding support mode when the patient takes three consecutive breaths and vice-versa.



Loops and curves



Simultaneous display of PT, FT and VT curves along with PV and FV loops provide a way to assess the ventilation. The analysis helps to take a corrective measure if needed.

Diagnostic tools

The loops can be frozen for its analysis using cursor to determine compliance, hysteresis, and lower and upper inflection points. It enables to set PEEP especially for ARDS and ALI cases.

Oxygen sensor calibration

The auto calibration of Oxygen Cell accounts for the precise control of FiO_2 and warns against exhausted or defective cell.

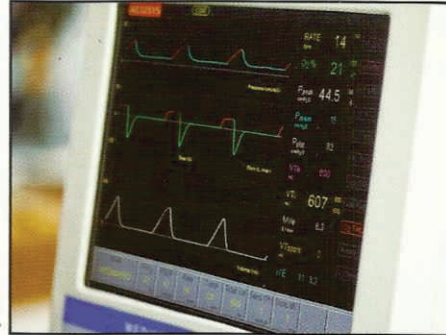
NIV mode

The ventilator provides extensively designed non invasive ventilation. It compensates for leaks in the mask and follows the patient's spontaneous breathing pattern to give optimum comfort. It has apnea backup to meet an eventuality.

Alarm log

The ventilator keeps a record of alarm events occurred in sequence with time of happening. The record may be viewed later on by clicking the alarm profile.

Patient data



The ventilator has ergonomic layout for easy handling. The vital patient data with the alarm thresholds are placed in vertical column on the right of the panel. The data include monitored FiO_2 , Plateau Pressure, inspired and expired Tidal Volume.

Emergency setting

The Quick Start mode offers setting of default parameters by just entering the body weight of the patient. It is really helpful at the time of emergency.

Easy access of parameters



The vital set parameters relevant to the mode can be easily accessed by the single control knob and changed as displayed in the pop-up window.

Features :

- 12.1 inch colour TFT screen
- PV and FV loops
- PT, FT and VT curves
- Calculation of lung mechanics
- Both pressure and flow triggering
- Quick start mode
- Automatic O₂ cell calibration
- NIV facility
- Built in Nebulization
- Alarm data log
- Servo controlled O₂ blender
- Breath to breath correction
- Apnea backup
- Emergency 100% oxygen
- Battery backup

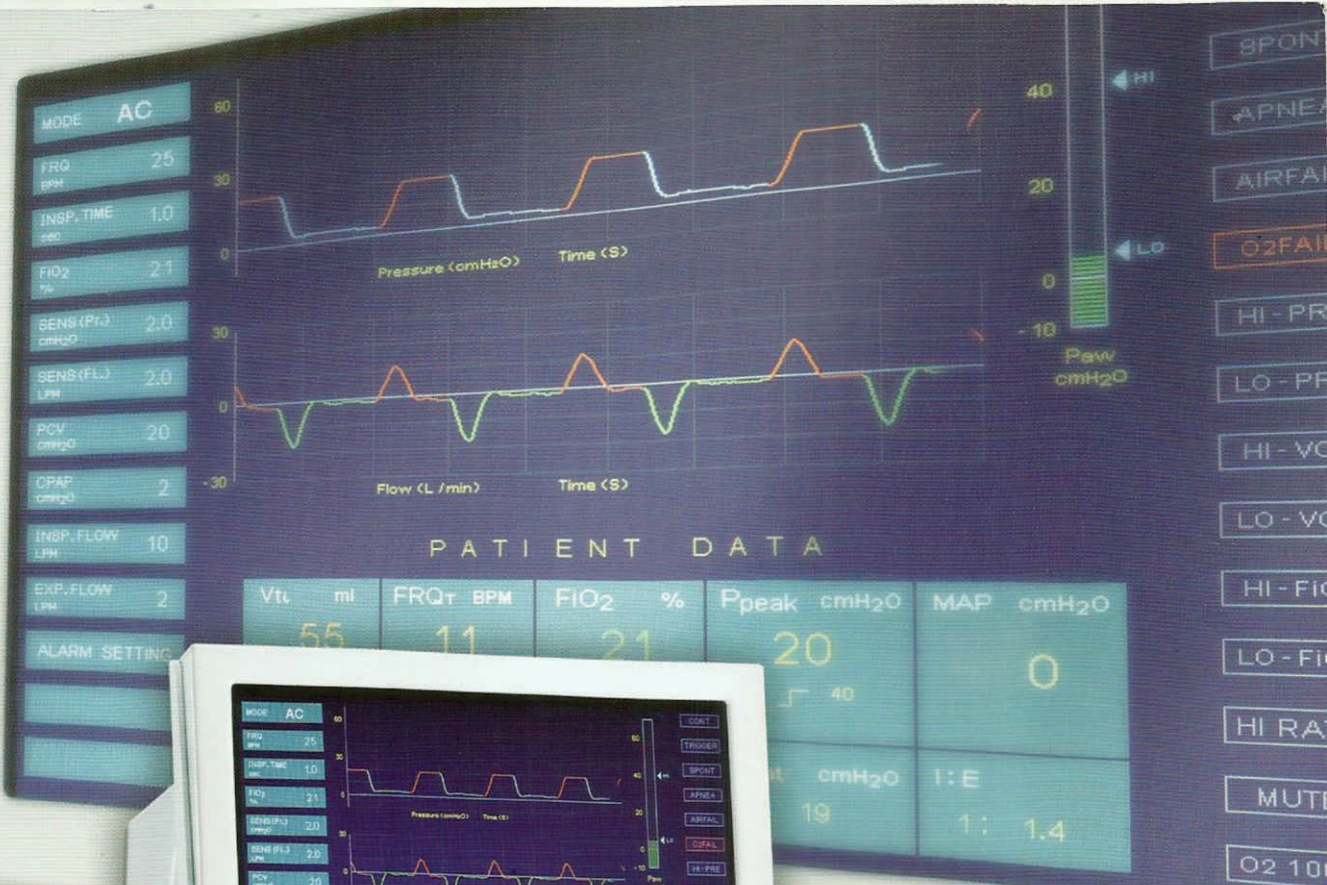
Specifications:

Gas supply	: Air and Oxygen at 3 to 4 kg/cm ²
Modes	: VC, PC, PRVC, PS, VS, SIMV (VC) + PS, SIMV (PC) + PS, SIMV (PRVC) + PS, 2PAP + PS, APRV & Autoshift interactive
FiO ₂	: 21 to 100%
Tidal volume	: 50 to 1500 ml
Frequency	: 1 to 50 breaths/min
Inspiratory Time	: 0.4 to 3 seconds
Plateau time	: 0 to 3 seconds
PEEP	: 0 to 30 cmH ₂ O
Sensitivity	: pressure (1 to 10 cmH ₂ O) Flow (1 to 10 LPM) below PEEP
PCV	: 0 - 40 cmH ₂ O
PSV	: 0 - 30 cmH ₂ O
2PAP	: EPAP 0 to 30 cmH ₂ O, IPAP 0 to 40 cmH ₂ O, Frequency 6 to 30 per min, IPAP time 0.5 to 5 secs.
APRV	: 3 - 24 cmH ₂ O @ 6 to 16 times per minute
Demand flow	: 120 litres / min (max)
Patient Data	: Insp. Tidal volume, Exp. Tidal volume, VT (Spont), PIP, Plateau Pressure, MAP, Rate, FiO ₂ , I / E ratio.
Alarms	: High / low pressure, high / low VT, high / Low FiO ₂ , oxygen / air failure, patient disconnection & Apnea
Indications	: Functional events, Air / O ₂ fail, Faulty O ₂ sensor, Inverse I/E ratio
Power input	: 200 -240 VAC, 50Hz
Battery backup	: 3 hours

Ordering information:

Standard Supply	: Main unit, trolley, UPS, Reusable Breathing Circuit, Support arm, moisture traps and Humidifier.
Optional	: Oil free Air Compressor





Latest Model
With Large
LCD Screen



NEOCARE
INFANT VENTILATOR

The Kiran NEOCARE is a micro-controller based ventilator designed for patients ranging from neonates to pediatrics. While ventilating such patients, safety features are of prime consideration. The ventilator incorporates the features of both pressure and volume limiting to reduce the possibilities of **barotrauma** and **volume trauma** that may occur even at a low pressure. The inspiratory phase is terminated as the **pressure** or the **tidal volume** tends to exceed the set limit.

The ventilator adopts the widely accepted **technique of continuous flow with time cycling** for ventilating new-born and pediatric patients. It provides for modes like CMV, ASSIST, SIMV and SPONTANEOUS with CPAP facility. Apnea back up ventilation is available in SIMV and Spontaneous modes.

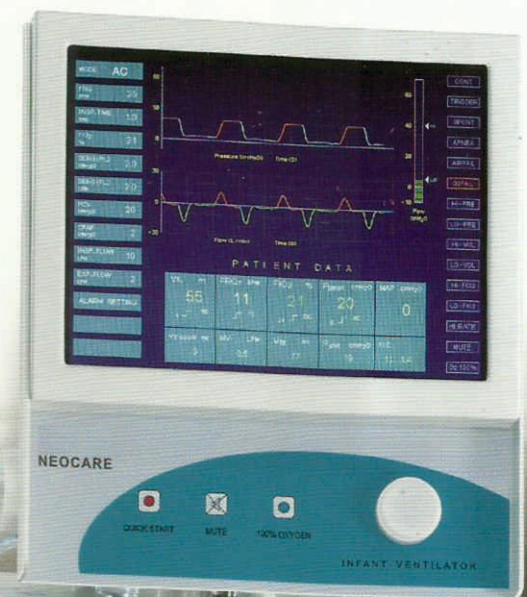
All set and monitored data are displayed on a large 12.1 inch LCD screen. The monitored patient data includes **expired tidal volume, minute volume and delivered FiO_2** . It also provides for **simultaneous display of Pressure and Flow Curve**.

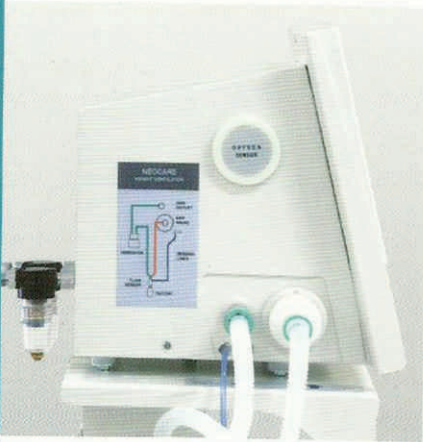
The oxygen blender is **servo controlled** with closed loop feed back system. FiO_2 can be set from 21% to 100%. For emergency 100% oxygen, set FiO_2 can be bypassed at any instant by pressing the **100% O_2 button**. It is reset by pressing the button again. The selection of gas flow remains unaffected even if there is a failure of either air or oxygen, as the unit automatically switches to the available gas supply.



NEOCARE INFANT VENTILATOR

*Utmost safety is
of prime consideration*

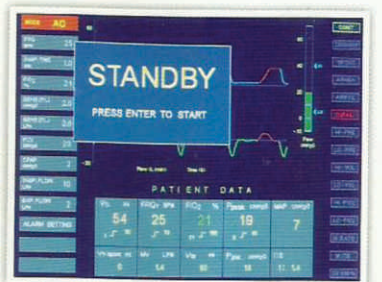
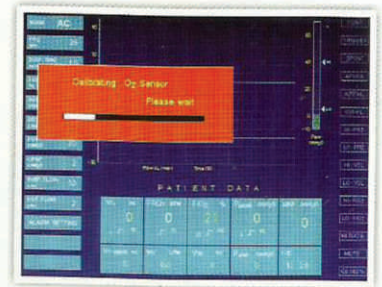




A fall in pressure due to patient effort is recognized for pressure triggering. However, the presence of continuous flow tends to neutralize this pressure drop. So more effort is needed to trigger the ventilator. This may be exhaustive and result in increased WOB. The Neocare adopts triggering by flow to make it more effective. The flow sensor detects a flow caused by the patient's effort to trigger the ventilator. The flow is detected at the proximal of the patient, thereby avoiding any false triggering due to leakage in the two limbs of the breathing circuit. Moreover, it makes the triggering PEEP compensated.

FEATURES:

- Micro controller based
- Continuous flow with time cycling mechanism
- Both pressure and volume limiting
- Pressure & Flow triggering
- Apnea backup ventilation
- Servo controlled oxygen blender
- Emergency 100% O₂
- Patient Data and Alarm Log
- Simultaneous display of pressure and flow curve
- Calibrated pressure bar graph
- Automatic switch over to available gas input
- Automatic Calibration of Oxygen Sensor



TECHNICAL SPECIFICATIONS



Recommended Application	Neonatal, Infant and Pediatric Patients
Flow	2 – 25 Litre per minute
Tidal Volume	6 to 300 ml
Modes of Operation	A/C, SIMV, Spontaneous, CPAP with Backup Ventilation and Standby
Mandatory Breaths	Pressure Controlled
Inspiratory Time	0.2 to 3.0 seconds
I : E ratio	1 : 1 to 1 : 10 (A/C) 1 : 1 to 1 : 60 (SIMV) Inverse 1 : 1 to 4 : 1
Frequency	1 to 150 breaths per minute
Triggering	Flow Triggering (1-10 lpm), Pressure Triggering (0.5 - 8 cmH ₂ O)
Expiratory Pressure	0 to 20 cmH ₂ O
Inspiratory Pressure limit	5 to 50 cmH ₂ O
Alarms	High / Low Peak Pressure, High / Low Tidal Volume, High / Low FiO ₂ Loss of Inlet Gas Apnea Electrical Power Failure
Alarm Mute	30 seconds
Safety Pressure Relief	15 to 50 cmH ₂ O
Display	12.1 inches Colour LCD
Patient Data	Frequency, Peak Insp. Pressure, MAP, Plateau Pressure Expired Tidal Volume, Insp. Tidal Volume Spontaneous Expired Volume, Minute Volume and FiO ₂ , I: E ratio
Ventilation Curves	Pressure-Time and Flow-Time
Dimensions (ventilator module)	28 cm (W) x 32 cm (D) x 32 cm (H)
Weight (ventilator module)	8.2 kg
Power Requirements	220 to 240 V AC, 50 Hz
Accessories	Standard : Proximal Flow Sensor, Breathing Circuit, Heated Humidifier, Oxygen Sensor, Oil Less Compressor

Warranty : 12 months against any manufacturing defect.
A totally indigenous product with prompt After-Sales-Service

The Company reserves the right to change/modify the specifications without any notice



RESUSVENT

In critical
medical emergency
it does
what it knows best...



KIRAN TECHNO SERVICES
PRIVATE LIMITED

Keeping the patient alive

During the very crucial first half an hour to 45 minutes of any critical medical emergency when the patient is being transported to the hospital, many precious lives can be saved with timely and speedy artificial respiratory support given to the patient.

During these situations, Kiran RESUSVENT extends a helping hand in keeping the patient alive by providing necessary artificial ventilation. The unit consists of a compact and light weight, pneumatically powered time cycled ventilator. CMV is provided by regulating only two graduated controls, viz., Tidal Volume and Breaths per Minute. In addition, provision of Manual Ventilation, Pneumatic/Manual Suction and delivery of 100% Oxygen makes the unit an ideal choice for taking care of any type of Emergency Transport Ventilation.



More than 2000 similar units are being used in Army, Navy, Air Force, Railways & Para-Military Forces.

Available modes of ventilation

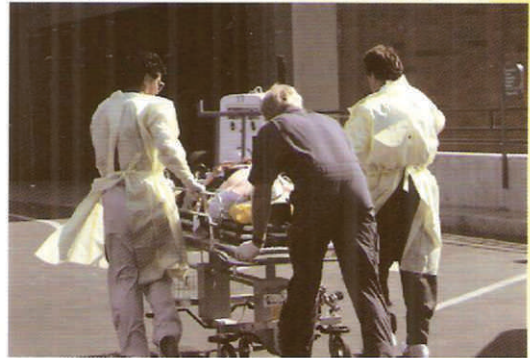
- Controlled Mechanical Ventilation (CMV) provided with the help of Tidal Volume and Breaths per Minute Controls (in graduated steps locked in 360°)
- Override Button for Manual Ventilation
- Spontaneous ventilation with 100% O₂ delivery through mask
- Ventilator/Pneumatic Suction Switch-Over Control that cuts off CMV during suction and vice-versa, eliminating the wastage of driving gas
- O₂ Concentration : 60% & 100% in CMV as well as in Manual Override Mode





SPECIFICATIONS

Dimension	16 cm x 21 cm
Weight	3.5 Kg
Mode	Pneumatically Controlled Time Cycled CMV, Manual & Spontaneous
Tidal Volume	200 CC to 1200 CC
Breaths Per Minute	10 - 30 BPM
Oxygen Concentration	60% & 100%
Manual Override	Push Button for Hyper Ventilation
Alarms	Audio-Visual Alarm for Disconnection, Source Pressure Failure, Airway Obstruction, HIP & LIP
Pneumatic Suction	(-) 300 mm of Hg
Manual Suction	(-) 600 mm of Hg
100% Oxygen Delivery	1 to 10 LPM in One Rotation Upto 30 LPM in the next Rotation
Oxygen Cylinder	Light Weight Imported Almn. Cylinder Pin-Indexed Type
O₂ Refilling Attachment	Bull Nose to Pin Index type with Pressure Gauge
Oxygen Regulator	Pre-fixed Pressure Type
System Pressure Regulator	Output Pressure 60 PSI
Medicine Tray	Separate Cavities provided for keeping Injections, Ampules, Savlon etc.



- A Completely Indigenous Transport Ventilator
- Light Weight & Easily Portable
- Ideal for any Emergency & Transit Situation

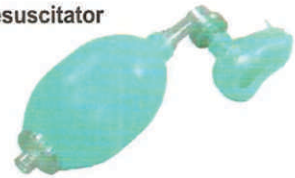




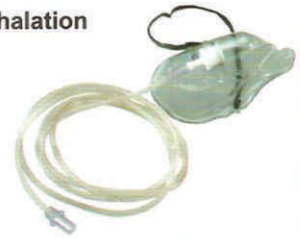
Emergency Suction Pump



Manual Resuscitator



Oxygen Inhalation Therapy



Essential Accessories

Adult Resuscitator with Oxygen Reservoir and Patient Valve; Laryngoscope with 4 Macintosh blades & Handle (Infant-Adult) with 2 spare bulbs; Transparent Face Mask size 0, 2, 4, 5; Pharyngeal Airway of various sizes 000, 00, 2 & 3; PVC Endotracheal Tubes of various sizes 3, 5, 7 : Peep Valve; Tube Check Syringe; Stethoscope; BP Apparatus; Surgical Items viz., Scissor, Knife, Forceps.

All the Items
are conveniently
assembled in a
easily portable
carrying case



Diagnostic Instruments



Intubation set



Warranty 12 months against any manufacturing defect. A totally indigenous product with prompt After-Sales-Service

The Company reserves the right to change/modify the specifications without any notice

KIRAN TECHNO SERVICES
PRIVATE LIMITED



SUPREME
ANAESTHESIA MACHINE



SUPREME

ANAESTHESIA MACHINE

INTEGRATED SAFETY FEATURES

Oxygen Failure Protection Device (OFPD):

KIRAN OFPD works as a true Fail - safe system as it allows flow of Nitrous Oxide only in presence of Oxygen at Rotameter level and locks the flow of Nitrous Oxide in the absence of flow of Oxygen through its Rotameter.

Basal Flow: (Optional)

When KIRAN OFPD is in operation as indicated by the Audio-Visual Alarm, a separate Pneumatic Circuit is activated to deliver a Basal Oxygen Flow through its Rotameter.

Alarm:

Audio-Visual Alarm is activated if flow of Oxygen falls below 1 LPM. Simultaneously, it activates a Pneumatic Circuit to lock the flow of Nitrous Oxide.

Pneumatic Circuitry:

Completely encased, detachable Pneumatic Circuitry for easy & prompt service check up.

Emergency Oxygen

Emergency Oxygen Flush Button is provided at table top on the front. It is recessed and guarded to avoid accidental pressing.

Vaporizer:

The Vaporizer of Halothane is supplied as standard accessory. Provision for incorporating Vaporizer of user's choice in the Back Bar.

Rotameters:

230 mm long accurately calibrated Rotating Bobbin Flowmeters
Oxygen : 100 ml/min to 10 LPM
Nitrous Oxide : 200 ml/min to 12 LPM

Ventilator Driving Source:

Quick-fit system provided for driving a Ventilator - 2 NOS.
Operating Pressure: 60 PSI.

Shelf For Ventilator:

Sufficient space provided at the top level of lower drawer to place KIRAN Medivent Servo or KIRAN Excel Anaesthetic Ventilator (Ventilator Optional).

Drawer:

Sufficient space provided in an extra-large storage drawer to accommodate all accessories.

Table Top:

Guarded table top provided with a Stainless Steel Tray (560mm x 260mm)

Instrument Tray:

Top tray provided at eye level for keeping monitoring equipments.

Patient Circuit:

Magill's Circuit - 2 NOS.
Bain's Circuit - 1 NO.
Pediatric Anaesthesia Circuit - 1 NO.

Optional Accessory:

Circle Absorber System.

Gas Supply Options:

Central Gas : Oxygen & Nitrous Oxide
Pipe Line

Pin-Indexed : 2 Nos. Each for
Yokes Oxygen & Nitrous Oxide. Each Gas specific Yoke includes separate Gauge, Regulator and Mounting Hardware.

DIMENSION : Height: 140 Cm
Depth: 70 Cm
Width: 56 Cm



www.kiransurgicalsystems.com

www.kiranmedicareequipments.com



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PRIVATE LIMITED



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