



Ventilators with HFO



ATL 6400 SERIES

- A.** Suitable for neonates.
- B.** Continuous flow, Time cycled & pressure limited.
- C.** Volume guarantee with every mode.
- D.** Volume targeting (Range 2 ml to 50 ml)
- E.** Modes: IMV, SIMV, nasal CPAP, CPAP, PSV, A/C - (It have pressure control and volume targeted both)
- F.** It have facility for High Frequency oscillation mode of ventilation(HFO)
- G.** Apnea back-up ventilation.
- H.** Capable of providing:
 1. PIP : 0-60 cm water
 2. PEEP : 0-25 cm water
 3. Frequency : 5-150 breath /min



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Note : Company reserves right to add/delete/modify the content / technical specification of the catalogue without prior notice. We are the only Tailor Making Company who provide Analytical Equipment based on Customer Requirement



- I.** Digital display : have integrated high resolution LCD screen minimum 10” or more color display with touch screen facility for real-time display of scalar (Pressure, Flow and Volume against time) and loop (Pressure-volume, volume-flow and pressure-flow). Graphic display of at least 3 waveforms together out of choice of flow, volume and pressure versus time with a facility to freeze These waveforms. Facility for loops together with a facility to freeze the same.
- J.** Digital display of FiO₂, peak pressure, mean airway pressure, CPAP/PEEP, Expiratory tidal volume, expiratory minute volume, total frequency, spontaneous frequency, lung function monitoring including compliance, resistance, lung distention coefficient, (C₂₀/C), Lung time constant, Rate volume ratio etc.
- K.** have built-in logbook for recording events like various alarms
- L.** Integrated monitoring: Integrated volume and pressure monitoring i.e. monitoring of PEEP P_{max}, P_{mean} and VT, VT_{spont}, MV and MV_{leak}. The volume monitoring have NTPD to BTPS correction
- M.** Monitoring of I:E, frequency and Spontaneous Frequency
- N.** Audiovisual alarms with advisory on-screen message: MV high/Low, Apnea, tube obstruction, FiO₂ high/low, high PIP, low PEEP/CPAP, CO₂ alarm, fail to cycle, gas supply low, power failure, ventilator
Inoperative, alarm log book, Tables and Trends of Two days be available.
- O.** Monitoring of flow: At the Y piece with facility to activate or deactivate it
- P.** Ventilator have following features in Pressure Support/ Volume Guarantee:
- It be possible to give leakage adapted inspiratory trigger during pressure support to spontaneously breathing patients with a set volume guarantee.
 - Volume guarantee be regulated with lowest possible airway pressure within a Set PIP.
 - It be possible to adjust the Volume Guarantee manually as per patient requirement
- Q.** Control Panel user friendly
- R.** Reusable patient tubings (after chemical and heat sterilization)
- S.** Proximal flow sensor



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T. Ventilator be European CE or US FDA

U. Ventilator is supplied with medical air compressor (European CE/ FDA marked).

V. The Servo Controlled Heated wire Humidifier be supplied along with Reusable patient Circuit. The humidifier must be CE or FDA approved.

W. Integrated Battery back-up (at least 30 minutes) provide for ventilator.

X. be supplied with ultrasonic nebulizer which have capability to deliver particle size

of < 3 micron and to be used in both off and on line with ventilator.

Y. Settings range:

1. Trigger Flow/ volume, leak adapted

2. PIP 10 to 80 cm H₂O

3. PEEP/ CPAP 0 to 25mbar

4. I:E ratio 1:0 to 1:10

5. Insp. Time 0.1 to 2 Sec

6. Exp. Time 0.2 to 30 sec

7. Frequency Up to 200 BPM

8. Base Flow (VIVE) 1 to 30 LPM

9. Synchronization Patient synchronization with adjustable flow trigger

10. High frequency amplitude 1-100% Or upto 100 cms H₂O

11. Integrated blender for Oxygen 21% to 100%

12. Integrated nebulization facility

13. Integrated monitoring of FiO₂.

Z. SUPPLIES (WITH EACH UNIT) Scope of supply with each ventilator

1. Ventilator on trolley with wheels and brake facility

2. Integral medical air compressor

3. Humidifier: Auto-clavable humidifier chamber (2 Chambers with each ventilator)

4. Circuit support arm

5. 2 hose sets for conventional reusable neonatal ventilation circuit

6. 5 hose sets of disposable conventional neonatal ventilation circuit

7. 1 hose set for reusable HF ventilation

8. Bacterial filters





9. Flow sensors (30 sets with each ventilator)
10. Oxygen cell
11. Oxygen connecting hose
12. Air connecting hose
13. Test lung
14. Heater wire (3 each)
15. Temperature probe (3 each)
16. Expiratory valve (2 with each)
17. Nasal interface (3 in number) with nasal mask (4 each of all sizes) and nasal prongs (4 each of all sizes) and bonnet (5 each of only preterm size) with each ventilator.