

ATV - 3000c

ICU Ventilator



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Analytical Technologies Ltd is manufacturer of ICU Ventilators, Non-Invasive ventilator. We offer an advanced, compact and reliable ICU ventilation solution. Carefully crafted with the combination of cutting-edge research and advanced manufacturing technologies. The ventilators are compressor based designable highly efficient independent operation and wide range of ventilation modes. Machine is easy to use, reliable and durable. The ventilator is most advanced technology offering features to meet the demands of critical care application. 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 pediatric to Neonatal patients.

►► Unique Features:

HFNC Mode:

HFNC mode when used with humidifier is capable of delivering up to 100% humidified and heated oxygen at a flow rate of up to 30 LPM. High Flow mode increases alveoli recruitment and delivers high FiO₂ while offering increased patient comfort. This mode is patient trigger and auto trigger control.

Battery Backup:

This is powerful ventilator with battery backup of up to 4 hours. The compact, independent and efficient design making it ideal for ICU.

Neonatal Mode:

Best possible care with whole ventilator portfolio. All ventilators offer option of non-invasive and invasive ventilation. It's Conventional and advanced ventilation modes for even the smallest patients. Tidal volumes are as low as 2 ml.

►► Technical Specifications:

Inspiratory Pressure Range	0-60 cm H ₂ O
System Based	Compressor Based Motor's Power: 1HP
IE Ratio Range	1.:1 to 4:1
Tidal Volume	2 ml to 2000 ml
Dimensions	10 inch Touch based
Respiratory Rate	6-300 BPM
Battery Backup	4 Hours
Battery Recharge time	2 Hours

**High Frequency Oscillation
Humidification**

Frequency: 4 Amplitude: 0-60 cm H₂O
 Integrates with the ventilator.
 Temperature sensor Pt100 and temperature controller TC 704.

Patient Type

Pediatric and Neonatal

Volume Control Modes

VCMV, VACV, VSIMV, HFOV

Pressure Control Modes

PCMV, PACV, PSIMV

**Patient Control Modes/
Spontaneous Breath**

Pressure Support Mode (PPSV, VPSV)

Therapy type

Non-Invasive Ventilation (PPSV)
 Pressure Support Ventilation (DuPAP)
 High Frequency Oscillation Ventilation

Advanced mode

PPSV, DuPAP, HFNC

Pressure Supply

CPAP, Bubble CPAP

Electrical Requirements

220- 240 V AC 50 Hz

Limb Type

Bi Limb/ Dual Limb

►► **Graphic Mode with Display:**

Flow VS Time

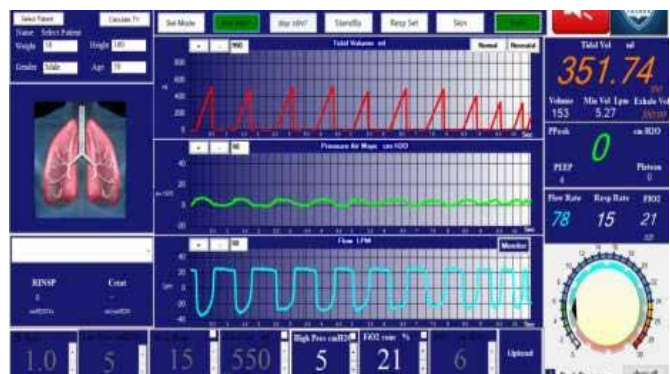
Pressure VS Time

Volume VS Time

Pressure-Flow Loop

Pressure-Volume Loop

Volume-Flow Loop



►► **Alarms for Device and Patient Safety :**

Alarms for Patient Safety

Respiratory Rate (High / Low)
 Tidal Volume (High / Low)
 FiO₂ (High / Low), Peek Pressure
 Circuit Disconnection (Pop Up)
 Battery Low

Alarm Features

Color coded alarms based on priority

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

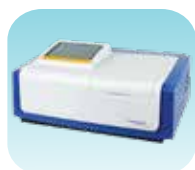
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Partical
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



 **Analytical**[®]
Technologies Limited

HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com
www.ais-india.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide

Note : Company reserves rights to add/delete/modify the contents / technical specifications of the catalogue without prior notice.