

Versatile. Advanced. Intuitive.

Optimized Ventilation for Patient Health



Because Every Breath Matters

You're here for your patients. We're here for you. The highly advanced Aura V ventilator offers ultimate flexibility and optimized patient care.



Indicated for a Wide Range of Patient Types

The Aura V ventilator is designed to support and protect the respiratory needs of adult, pediatric, and neonatal patients.

The system's sophisticated multi-modal technology is designed to optimize patient care, breath by breath.

Technology That Provides Breathing Room, Naturally

The Aura V system provides comprehensive mechanical ventilation options for clinicians. The wide range of standard and innovative features enables caregivers to address the needs of all patient types – all with one ventilator.

The system is designed to prioritize and augment the natural effort of each patient's breathing. With its advanced capabilities and modes of ventilation, especially PMLV[®], it is ideally suited to monitor and support the most critical patients.

PMLV: An Exclusive Ventilation Mode

Only the Aura V ventilator features the proprietary programmed multi-level ventilation (PMLV) mode. PMLV offers three different pressure levels with different respiratory cycle times. By using flow, pressure, frequency, and time constants, PMLV can significantly improve gas distribution in severely affected lungs. The ventilation control algorithm is based on the real-time analysis of pulmonary mechanics.



Built with Life in Mind

The Aura V ventilator is designed to provide support and protection when the patient needs it, where the patient needs it.

The comprehensive standard and proprietary technology that's built into each Aura V ventilator includes extensive gas analysis capabilities, including end-tidal CO₂, volumetric CO₂, and indirect calorimetry.

21" COLOR TOUCHSCREEN

Includes a user-designed interface and graphic display of waveforms, loops, and trends

INTEGRATED CAPNOGRAPHY

Mainstream integrated capnography provides continuous monitoring of respiratory gases to assess ventilation adequacy and provide added patient safety

INTEGRATED NEBULIZER

Integrated nebulizer vibrating mesh technology from Aerogen®

AUTO-START FEATURE*

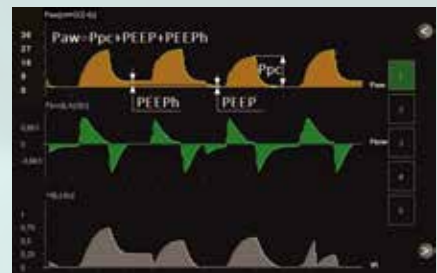
Provides recommendations for parameters to begin ventilation on a new patient

Chirana **AURA** ✓

* The products and/or features in this document may not be available in all countries. Please contact your local representative.

Features

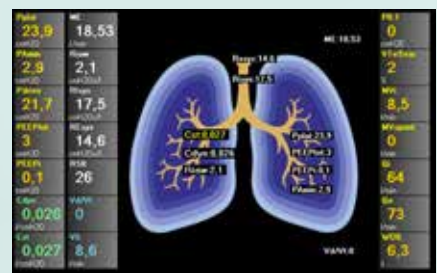
The Aura V ventilator provides an extensive package of state-of-the-art monitoring and diagnostic tools for lung assessment protection and support.



PMLV® – Programmed Multi-Level Ventilation

parameter	actual	target	status
FiO2	0,4	0,4	OK
PAF	[cmH2O]	29,8	24
PAP	[cmH2O]	3	3
PEEP	[cmH2O]	6,1	6,1
Col	[cmH2O]	6,5275	6,5271
RIAW	[cmH2O]	2,3	1,8
PIAmax	[cmH2O]	2,9	2,9

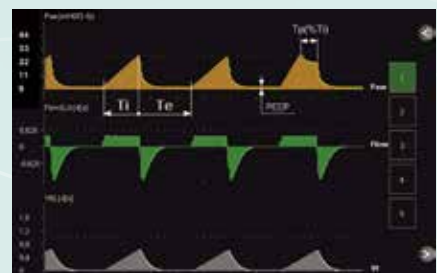
OPTI – Optimized Ventilation



PulmoMon – Monitor Pulmonary Mechanics



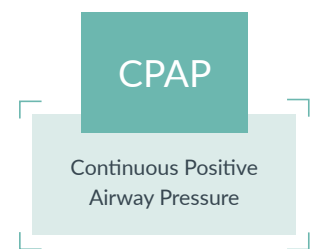
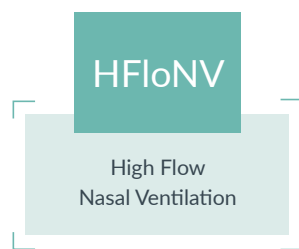
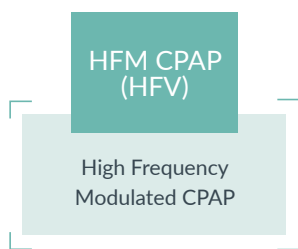
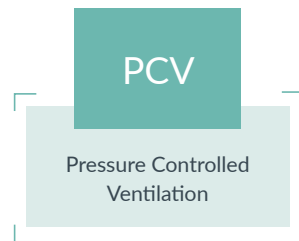
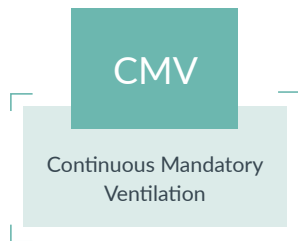
MetaMon – Metabolic Monitoring



CMV – Continuous Mandatory Ventilation

Technical Specifications

MODES OF VENTILATION



ADDITIONAL MODES OF VENTILATION

- **SIMV(V)** – Synchronized Intermittent Mandatory Ventilation - Volume
- **SIMV(P)** – Synchronized Intermittent Mandatory Ventilation - Pressure
- **PS** – Pressure Support
- **2-Level** – Two-Level Pressure Ventilation
- **CFvS®** – Continuous Flow Support
- **PS-VG** – Pressure Support Volume Guaranteed
- **PC-VG** – Pressure Control Volume Guaranteed
- **APMV® (MVs)** – Automatic Proportional Minute Volume

SETTINGS

VENTILATION PARAMETER	MEASUREMENT
Tidal Volume	2 – 2000 mL
Breathing Frequency	1 – 180 bpm
Minute Ventilation	0.1 – 35 LPM
Ratio Ti	10 – 90%
Inspiration Pause	0 – 75%
Concentration O ₂	21 – 100%

VENTILATION PARAMETER	MEASUREMENT
PEEP	0 – 50 cmH ₂ O
Inspiratory Flow	Up to 240 LPM
Trigger Sensitivity	1 - 20 LPM flow 1 - 15 cmH ₂ O pressure
Bias Flow	1 – 30 LPM

MONITORING

MONITORED PARAMETER
Pressure
Tidal Volume
Minute Ventilation
Minimal Pressure - Pmin
O ₂ Concentration
Frequency
Activity of Patient Breathing
End-Tidal CO ₂
Volumetric CO ₂
Indirect Calorimetry
Time Constant Period of Inspiration and Expiration
Alveolar Pressure and Volume
Auto PEEP
Static Lung Compliance
Dynamic Lung Compliance
Inspiration Resistance of Airways and Ventilation System
Plateau Pressure
Vd/Vt
Rapid Shallow Breathing
PO.1
Work of Breathing

SETTABLE ALARMS

- Pmax
- Pmin
- PEEP max
- MV max
- MV min
- Vt min
- Vt max
- FiO₂ min
- FiO₂ max
- CO₂ min
- CO₂ max
- High RR
- Low RR

GRAPHICS MONITORING

1. P/V Loop
2. F/V Loop
3. Pressure Time Graphic
4. Flow Time Graphic
5. Volume Time Graphic



Helping the World Breathe

PATIENT-CENTRIC PIONEERS

The IPM Chirana team is led by clinical practitioners and educators. We've walked in the shoes of respiratory caregivers and understand the importance of having the right tools and information to support and protect each patient's individual breath, when and where it's needed.

Your patient's journey is our journey, which is why we are driven to relentlessly pursue medical innovation that will make a positive difference — for you and your patients.

MEDICAL INNOVATION WITH A PURPOSE

IPM Chirana was born to answer the world's urgent need to address the global shortage of critical care ventilators. Through global collaboration, an agile team with a singular purpose was created. Led by knowledgeable leaders in respiratory care, IPM Chirana is determined to deliver the most advanced critical care ventilator to the world.

This is why we invest in research and development to continuously seek out the most advanced, evidence-based solutions.



IPM Chirana was formed as a strategic international partnership to rapidly accelerate global production of one of the most technologically advanced critical care ventilation systems in the world, the Aura V ventilator, to address evolving healthcare needs worldwide.

We invest in research and development to provide evidence-based innovations that advance optimized solutions for patient and clinicians. Based in Research Triangle Park, North Carolina, IPM Chirana is focused on the global production of the Aura V ventilator.

IPM [] CHIRANA

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