ESHERO

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ESHERO

# SH320

Ventilator

## Control breathing  wisely and protect life

# Technology Excellent Performance

## High performance turbine

- Proximal flow sensor for more accurate data sampling
- High performance turbine Ultra-high peak flow to meet mechanical ventilation demands
- Paramagnetic oxygen sensor higher measurement accuracy with lower measurement error Longer service life, reducing clinical failure rate and maintenance costs.

## simplify complexity Operate with ease

### Visualized ventilation

Dvnamic lung visualization for intuitive display of compliance, airway resistance, an breathing

### Quickly open the function

Clinical functions can be performed with one-touch operation for enhanced convenience.

### Monitoring parameter display

Full-screen parameter monitoring to ensure ventilation safety

# Safe and precise

## Protecting life and health

360° visual alarm light. Visual alarm safety alert

18.5-inch full HD display (1920 × 1080) with multi -angle adjustment in both landscape and portrait orientations

Supports multiple communication interfaces including LAN, USB, nurse call, and HDMI

Detachable screen design screen can be mounted on a ceiling pendant for flexible operation

Tool-free removal of inspiratory and expiratory valves.134 °C high-temperature sterilization to prevent cross-infection

minutes with one battery, and up to 300 minutes with dual batteries

Supports hospital communication protocols for real-time ventilator data transmission

# Seamless sequential ventilation

Patient : adult pediatric neonate

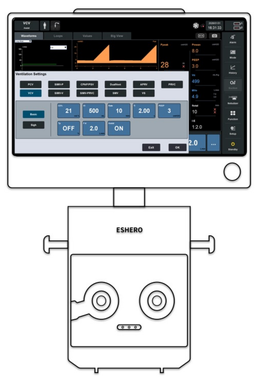
## Complete Modes

Physiology-guided sequential ventilation therapy enables step-down respiratory support from invasive ventilation to non-invasive ventilation and high-flow oxygen therapy, supporting safe weaning and achieving spontaneous breathing.

HFNC mode: 2-100L/min

Non-invasive mode: PCV, SIMVP, CPAP/PSV, PSV-S/T, nCPAP APRV, DualVent

Invasive mode: VCV, PCV, SIMV-V, SIMV-P, CPAP/PSV, PRVC SIMV-PRVC, DualVent, APRV, VS, SMV , CPRV




## Cardiopulmonary Resuscitation Ventilation (CPRV)

Emergency ventilation mode providing rapid support during CPR while minimizing excessive triggering and hyperventilation.

## Smart Minute Ventilation (SMV)

Smart Minute Ventilation (SMV) is an adaptive mode based on the Otis equation that automatically adjusts respiratory rate and tidal volume according to patient respiratory mechanics to maintain target minute ventilation, optimizing patient–ventilator synchrony and minimizing work of breathing and manual adjustments

## Designed for safe

- Automatic power-on self-test function
- Three-level alarm system with light, sound, and text alerts
- Maximum leak compensation flow rate: up to 65 L/min (adult)
- Data tracking and review function with up to 72 hours of trend data and storage of up to 5,000 records
- simultaneous display of waveforms and loops, with up to three waveforms and two loops freely configurable on the same screen for intuitive monitoring of the patient's respiratory status

# Intelligent management

## Optional module

1

**ETCO2**

Monitors $CO_2$ concentration to support clinical decision-making

2

**SPO2**

$SpO_2$ monitoring for respiratory risk assessment.

3

**Paramagnetic oxygen sensor**

Higher measurement accuracy with lower measurement error, Longer service life, reducing clinical failure rate and maintenance costs

## Lung Recruitment Tool
(SI – Sustained Inflation)

Lung Recruitment Function (Single-cycle and Multi-cycle Recruitment), Low-flow P–V Loop Tool, C20/C Lung Compliance Index.

## Weaning Decision Support
(SBT – Spontaneous Breathing Trial)

Spontaneous Breathing Trial (SBT) with weaning support parameters including P0.1, NIF, and RSBI.