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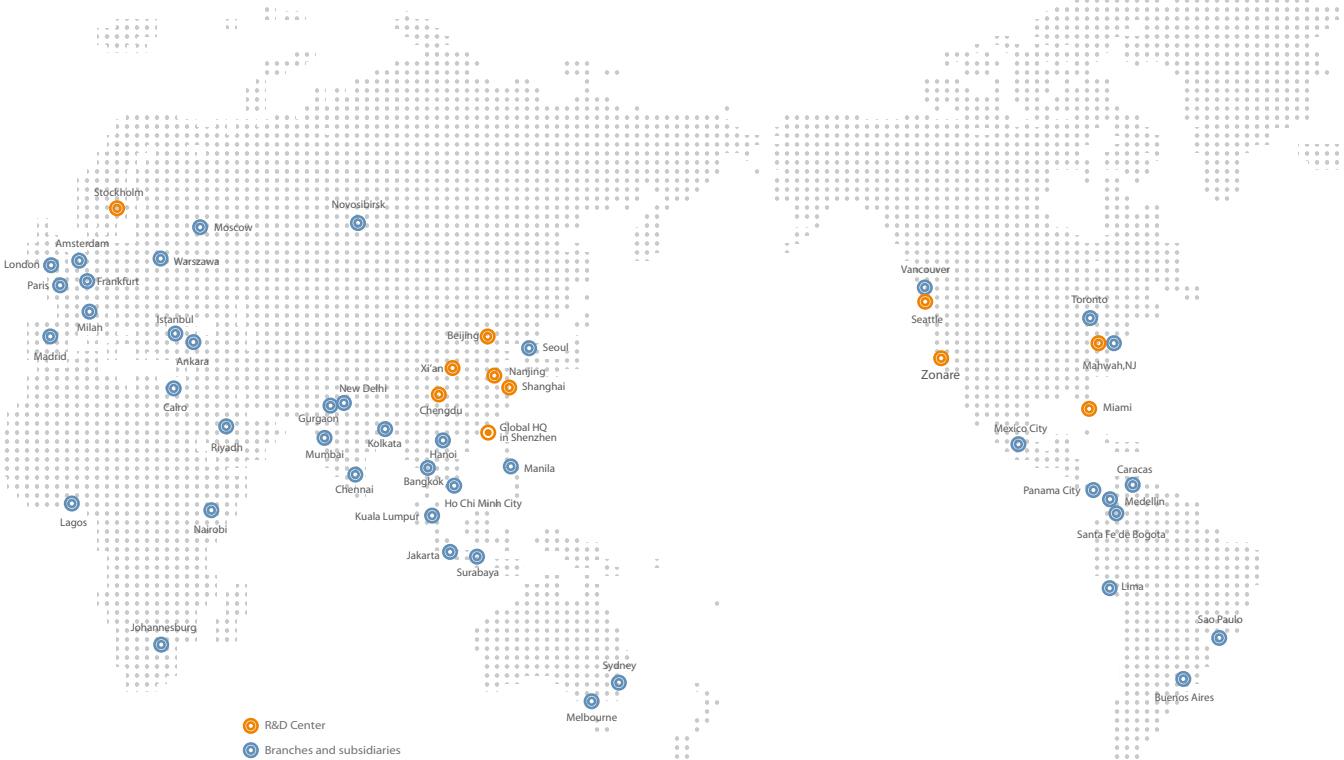
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SynoVent E-Series Ventilator



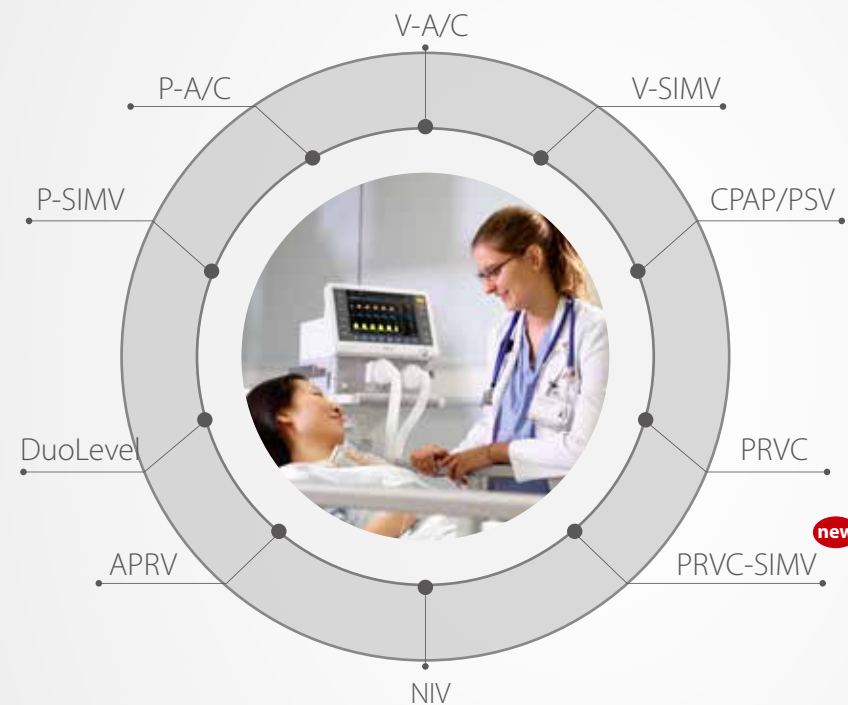
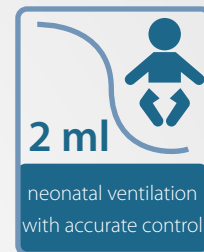
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healthcare within reach



Versatile

Support for All Patients

- With an adjustable tidal volume down to 2 ml the SynoVent E-series ventilator is suitable for all patients categories from neonates to adults.
- For improved patient safety E-series ventilator utilises a proximal neonatal flow-sensor with minimal dead-space (<0.75ml) and low resistance (0.9cmH₂O @ 10L/min) to ensure total precision and control throughout the ventilation period.



Enhanced Decision Making

- The continuous monitoring of up 31 parameters, including Work Of Breathing (WOB) and Intrinsic PEEP (PEEPi), ensures that all clinical decisions are evidence based and can be made with confidence.
- Both the side-stream and main-stream CO₂ modules are suitable for invasive and non-invasive ventilation. Furthermore the Volumetric CO₂ measurement capability reduces the requirement for repeated blood gas analysis and provides measurement of dead space and CO₂ elimination.
- For further support procedures can be initiated to measure Rapid Shallow Breathing Index (RSBI), Negative Inspiratory Force (NIF), and P0.1 for weaning process.

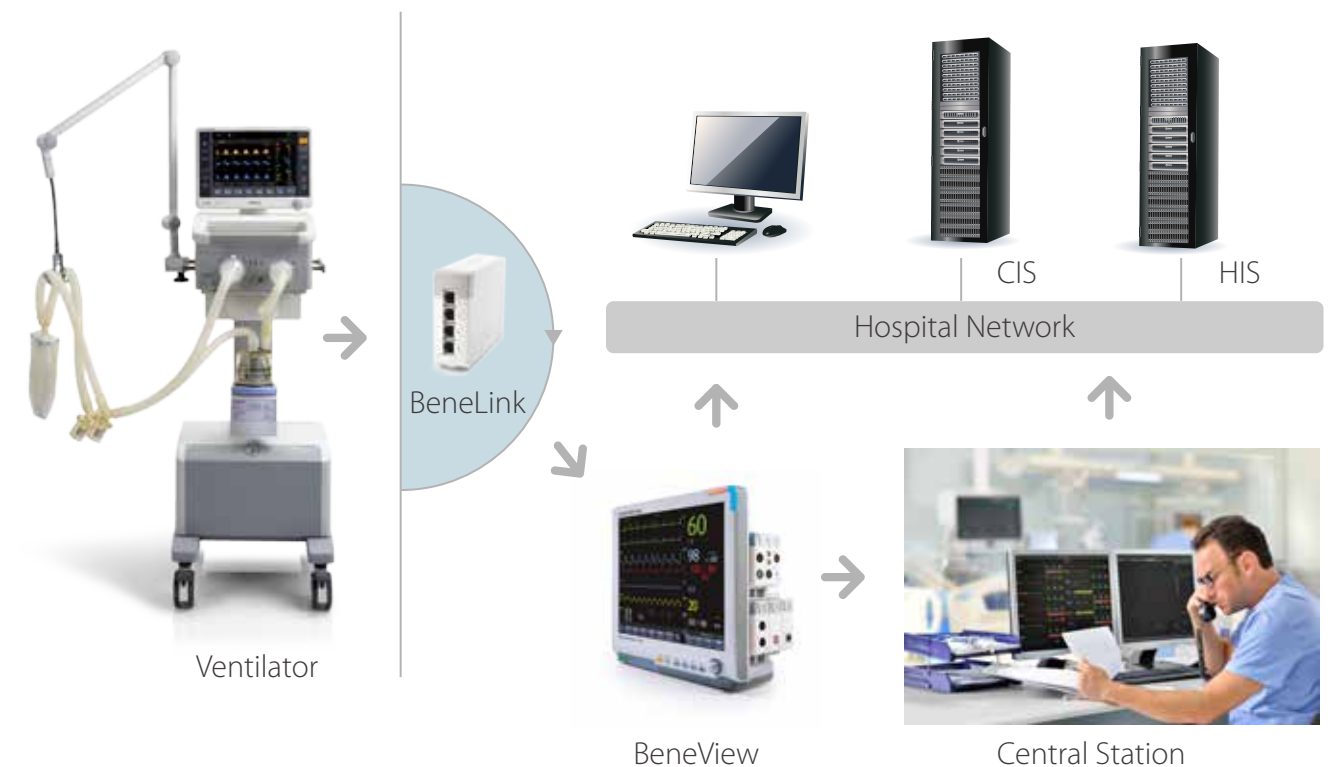


High-flow O₂ Therapy

- The E-series ventilator supports High-flow O₂ therapy ensuring delivery of precise oxygen concentrations at a user adjustable flow rate, optimal humidity and temperature.
- Delivery of High-flow O₂ therapy is shown to reduce CO₂ retention and improve hypoxia conditions which may improve prognosis.
- Switching between mechanical ventilation and O₂ therapy is achieved by enabling the O₂ therapy mode and changing the mask or nasal cannula of O₂ therapy, without the need to move the patient or change the ventilation equipment.

Network Compatibility

Using the Beneview patient monitor series the SynoVent E-series is able to connect seamlessly to both HIS and CIS systems with ease. And with an extensive number of communication ports patient data can be downloaded quickly for transfer and review.





Widget: TVe/IBW

- For added patient safety the SynoVent E-series ventilator offers a simple and effective TV Setting prompt function.
- Each time changes are made to the set Tidal Volume value an on-screen prompt appears displaying the TVe / IBW. This feature may help in assisting the clinician to provide patients with improved, individualized, lung protective ventilation strategies. Doctors can even cross check it later on the trend page. This serves as a better guideline for patient lung protective strategies.



PV-tool

- PEEP is known to prevent atelectasis, improve gas exchange and reduce lung injury associated with repeated alveolar collapse / inflation.
- The setting of appropriate PEEP is one of the main goals for protective lung ventilation. With Mindray P-V Tool, the optimal PEEP for patients can be determined based on the characteristic points on the static P-V curve displayed by the SynoVent E-series ventilator.



Intuitive Display

With a large, user configurable, full colour touch screen the SynoVent E-series ventilator ensures that the data you want to view is clearly displayed at all times. Features include:

- Upto 4 waveforms display.
- Upto 3 loops display.
- Loop / waveform split screen display.
- Single page display of user selected parameters.
- Patients spontaneous breaths clearly highlighted in different colour for clear identification.





Intelligent

Intellicycle®

- Intellicycle® in E-series ventilator is designed to enhance patient / ventilator synchronization and improve patient comfort by automatically adjusting ventilatory support in accordance with changes in patients breathing pattern.
- The Intellicycle® feature is applicable to all patient categories and is useful in reducing the clinical workload of healthcare personnel.

Smart Apnea Backup

- Apnea backup ventilation will start to ensure patient safety by avoiding suffocation if the patient does not trigger any breath after the apnea time (user selectable).
- When patient able to trigger two consecutive breath within the apnea time, the ventilator will withdrawn back to the original mode.

Smart Suction

The SynoVent E-series ventilator is a supplied with a totally automatic suction protocol designed to simplify clinical workflow including:

- O₂ flush pre and post suction therapy.
- Alarm silence feature during suction technique.



Intelligent Standby for C3

For added safety the intelligent stand-by function of the C3 compressor ensures the patient is fully ventilated at all times by automatically maintaining ventilation even if the central gas supply fails.

