

Medtronic

Engineering the extraordinary

In the ICU, every breath counts.

Get to know the
Puritan Bennett™ 980
ventilator.



About us

In the ICU

Product features

Product design

Software

Safety features

Our service

Product portfolio

A company you can trust for critical moments

Time in the ICU is made up of life-defining moments. Moments to monitor, intervene, and help optimize outcomes with respiratory technology supporting your critically ill patients. Our portfolio of respiratory intervention technology and services is ready to help you through those moments.

About us

Helping your patients breathe. It's as simple as that, and it's at the core of what we do. See how we can help enable your patients to breathe more naturally† with the Puritan Bennett™ 980 ventilator. Using some of the most innovative breath delivery technology available means you're able to give your patients the best during their ICU stay.

Partnerships

We're proud of the partnerships we've built with other leaders in the ventilation space. See how we're working with them to ensure every patient gets the breath they need.

Watch the video



†Compared to conventional mechanical ventilation (VC,VC+, PC, PS).

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Peace of mind in the ICU

A stay in the ICU can be unsettling for your patients – especially when mechanical ventilation is required. Conventional modes of ventilation can cause added stress and agitation as they can't always match your patients' breathing patterns. Clinicians may respond by increasing sedation in an effort to alleviate agitation in patients. But this can result in an increased incidence of delirium, which can lead to longer ventilation dependency.¹

The Puritan Bennett™ 980 ventilator offers a better option for your ventilated patients.

71%¹

of ICU patients show signs of agitation at least once during their ICU stay.



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Chosen by clinicians, like you

Selecting the right equipment for the ICU is critical to provide the best care for your patients. The Puritan Bennett™ 980 ventilator offers:

- Screen configurability
- Hot-swappable batteries
- Expiratory filtration system
- Connectivity

More details

Backed by data

The Puritan Bennett™ ventilator's PAV+™ software is designed to put the patient in control of the start and end of every breath, engage and strengthen the respiratory muscles, and minimize the adverse effects of patient-ventilator asynchrony compared to pressure support ventilation (PSV).³⁻⁵

Benefits include:⁴⁻⁹

- Improved weaning success
- Reduced time of mechanical ventilation
- Fewer intubations
- Lower ICU cost of care



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See what makes us stand out



Screen configurability

- See as much or as little information as you need
- Configure to your patients' needs or to match your workflow
- Access different graph and loop layouts



Expiratory filtration system

- Filters the patient's exhaled gas before it enters the room



Hot-swappable batteries

- Easily change batteries without interrupting your patient's ventilation



Connectivity

- Provides multiple USB ports for connections to external drives and an HDMI output port that can be used to project the touchscreen externally
- Offers options for connecting to external data systems



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Smarter ventilation

Keeping the ventilator in sync with your patient’s breaths is key to improving ventilation outcomes, patient comfort, and quality of care.

Simple and intuitive:

- Customizable display
- Intuitive screen navigation

Safe and reliable:

- Unique ventilator assurance feature†
- Integrated expiratory filtration system

Smart and adaptive synchrony tools:

- Adaptable to each patient’s needs
- Provides the right level of support throughout each breath



†Ventilation Assurance provides for continued ventilatory support using one of three backup ventilation (BUV) strategies, bypassing the fault to maintain an optimal degree of ventilation that can be safely delivered.

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Smarter software in the ICU

Our suite of advanced synchrony tools adapts to each patient’s unique needs and provides the appropriate level of support throughout the breath, from initiation to completion. See how **IE Sync™ software**, **Leak Sync software**, and **PAV+™ software** can help your patients receive the flow and volume they need,¹⁰⁻¹² exactly when they need it.

[More details](#)

Other software products include:

Noninvasive software

- Integrated tool for the management of respiratory failure
- Multiple patient triggering and cycling modes and breath types available to help with patient acceptance

Bi-level software

- Permits spontaneous breathing and supports biphasic or airway-pressure release ventilation for extra flexibility

High-flow oxygen therapy

- Integrated to facilitate easy alternation between NIV and HFO₂T
- Wide range of flow for flexibility in application

Respiratory mechanics software

- Monitors key respiratory parameters for easy patient status assessment

Tube compensation software

- Helps patient overcome the work of breathing imposed by an artificial airway



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Type of patient asynchrony	Puritan Bennett™ 980 synchrony tools suite		
	IE Sync™ software	Leak Sync software	PAV+™ software
Ineffective efforts	✓		
Delayed triggering	✓		
Auto-triggering		✓	
Double-triggering			✓
Delayed cycling	✓	✓	✓
Early cycling	✓		✓
Flow asynchrony			✓

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Added safety in the ICU

Protect your patients from the unexpected.

Unique ventilation assurance†

- Ensures continued ventilation even if there is a system failure

Standby mode

- Pauses ventilation and preserves settings when a patient is disconnected
- Auto-detects the patient upon reconnection
- Resumes ventilation without the need to push additional buttons

Status display

- Provides redundant check of ventilator operation



†Ventilation Assurance provides for continued ventilatory support using one of three backup ventilation (BUV) strategies, bypassing the fault to maintain an optimal degree of ventilation that can be safely delivered.

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Service and support at every step

Our Service team provides expertise, delivered without compromise. We're here for you and your critical care equipment, anytime – 24/7/365. And like you, we understand that capital equipment is more than a purchase – it's a lifecycle investment.

Our trusted service partnership includes:

- Customizable service offerings from comprehensive to shared service
- Demonstrated economic value through our service agreements
- Tracking maintenance schedules and managing OEM parts inventory
- Local support with engineers supporting all 50 states
- Field service engineer customer satisfaction averages 9.8 out of 10.¹⁴



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Explore the portfolio

- Acute care ventilation
- Intubation
- Tracheostomy
- Ventilator filters
- Video laryngoscopy
- Active humidification
- Automatic cuff pressure management
- **NICU ventilation** 📄



Shiley™
tracheostomy tubes



DAR™ filters



Puritan Bennett™
980 ventilator



Puritan Bennett™ cuff
pressure manager



Shiley™
endotracheal tubes



McGRATH™ MAC
video laryngoscope

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Get started today

Contact us

medtronic.com



Please pay close attention to warnings and their associated consequences as described in the Puritan Bennett™ 980 ventilator operator’s manual.

The ventilator system is not intended to be a comprehensive monitoring device and does not activate alarms for all types of conditions. Do not operate the ventilator in a magnetic resonance imaging (MRI) environment. Risks associated with using a mechanical ventilator include but are not limited to hypoxemia, hypercarbia, hypocarbia, and infection.

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14. Service 800 survey data 4/2021 -3/2022. Used with permission.

