Engström Carestation

Breathing life into critical care
Engström Carestation. We’ve been here all along.
For years Datex-Ohmeda has been right next to you in the ICU and OR. A partner and trusted name in critical care. Now, as part of GE Healthcare, we bring you the natural progression of our critical care experience and success. The Engström Carestation is the first critical care respiratory carestation to offer integration throughout the care process. From the ICU to the Step-down unit, this artful expansion of our technology gives you the ability to integrate ventilation with monitoring modules capable of measuring advanced parameters – a first in ventilation and exclusively from GE Healthcare.

The Engström Carestation helps make your job easier, faster and more accurate. It makes sense.

- Integrated ventilation and monitoring
- Plug and play modules provide advanced monitoring parameters
- Familiar user interface
- Adaptable and flexible to your environment
- Advanced aerosolized medication delivery with the Aerogen Aeroneb® Pro
- Customizable screens
- Non-invasive ventilation
- Easy to maintain
- Focused on patient safety
Just a ventilator?
Like Picasso was just a painter.

The future of critical care ventilation is in your hands. The Engström Carestation is so versatile and well planned, it’s more than just a ventilator. Much more.

The Engström Carestation serves as your complete, expandable respiratory carestation for a wide range of patients. It goes much further for clinicians with advanced features, network and integration capabilities, patient care documentation, and medication delivery. Our Datex-Ohmeda patient modules* also give you the ability to simply plug directly into the Engström Carestation from our monitors.

Attention to detail and adaptability to the critical care environment were primary design concerns in creating the Engström Carestation. The result is a respiratory carestation with easy to learn, intuitive operation, which enables you to focus more on patient care. A moveable screen, ergonomic awareness, auxiliary power outlets and a compressor are just some of the features that make it uniquely adaptable. With secure access to our central stations, viewers and wireless connections, the Engström Carestation is tomorrow-friendly and easily upgradable.

Ventilate, communicate, document.
The future of ventilation is at hand.

* See specification sheet for compatible modules.
What Learning Curve?

Reducing your learning curve has always been our motivation throughout new product development. The Engström Carestation is no exception.

The Datex-Ohmeda user interface will look familiar to you as it is shared with our patient monitoring and anaesthesia equipment. That allows you to learn once and use everywhere. Customized screens for viewing waveforms, trends, gas monitoring, metabolics and more are other Engström Carestation standard features. If you’re currently trying to access unorganized, scattered information, then you’ll appreciate the simplicity and time efficiency of the Engström Carestation’s user interface design. Show your desired data instead of searching for it.

Not all ventilators enhance your clinical power. Engström Carestation does.

There are many reasons why we have such confidence in this respiratory carestation. We’d like to point out a few of them.

- Respiratory mechanics come standard with three types of loops and the ability to store and recall loops.
- Not all ventilators allow sensor connection right at the patient for Patient Spirometry™. Engström Carestation does.
- Engström Carestation provides advanced monitoring capabilities like End Tidal CO₂ (ETCO₂), EE monitoring (energy expenditure), gas exchange and metabolics.
- Continuous trending up to 336 hours or 14 days. Auxiliary pressure sensing port availability, Intrinsic (Auto) PEEP, advanced nebulizer system, and oxygen breaths are just a few more reasons to choose the Engström Carestation. Non-invasive ventilation comes standard on the Engström Carestation.
Flexible and adaptable
We realize that not every hospital environment is going to use identical settings. To assist you in setting the Engström Carestation for each new patient, we’ve included the ability to quickly switch to your facility’s standards. Using passwords to establish defaults, each hospital will have the capability to adjust the ventilator system defaults from alarm and mode settings to patient population to desired screen color.

For convenience and safety, pressure and flow waveforms are always visible on the screen, even when adjusting screen visuals. Whether you’re a nurse, a physician or a respiratory therapist, you can customize and set your own screen for your patient with the Engström Carestation’s task-oriented software. Your critical information is just a glance away.

Stay current with upgradeable operating system software. Using memory card technology allows for future upgrades like: modalities, procedures (automated tasks), diagnostic techniques and more. All of which help cut the learning curve, saving time and saving money. Now that’s flexible.
Seeing is believing
To ensure you have enough data to assess patients, the Engström Carestation provides a seamless flow of information throughout the patient care continuum. View organized information remotely on the handheld Pocket Viewer, or on any PC connected to the iCentral. Connecting with the Engström Carestation supports multidisciplinary care, putting the right information where it needs to be, when you need it to be there. See for yourself.
It’s good to have options

You wouldn’t accept an a.m. radio in your new luxury sedan...
You simply wouldn’t accept inferior standard features in your ventilator. That’s why we’ve outfitted our Engström Carestation with an advanced aerosolized medication delivery system. Utilizing Aerogen’s OnQ™ aerosol generator, the Aeroneb® Pro Micropump Nebulizer produces a fine droplet, low-velocity aerosol without requiring propellants, compressors or ultrasonic elements. The reusable, autoclavable nebulizer unit minimizes treatment cost. The Aeroneb Pro won’t affect ventilator parameters during use or refill, and operates inline or independently for infants through adults. We know you know the difference.

For more detailed information on Aeroneb Pro and how it gives more flexibility to the Engström Carestation, visit www.aerogen.com.

With power comes mobility
It’s also good to know that you can quickly make a great respiratory carestation even better with add-ons and optional accessories.

Integrated multiple modular monitoring capability is just one advantage. Grab a Datex-Ohmeda patient module. Walk across the hall, plug it in and continue work. It’s that simple. Move modules or the entire bay. This feature allows you to swiftly move room to room without the hindrance of carting the entire respiratory carestation with you. Think of it as critical care plug and play.

The Engström Carestation is a “Future Ready” system with a multitude of ports including: USB, ethernet and more. That’s called preparing for your future and thinking ahead.

Cost is no object, unless you happen to be the one paying
You’ll come to appreciate the value and efficiency of the low maintenance Engström Carestation. The quick-release expiratory valve is easy to clean and fully autoclavable to 134° C. No cables and automatic connections make cleaning between patients a hassle-free process. When it comes to time efficiency, it’s well worth pointing out that of the Engström Carestation’s three levels of calibration, the first two are automatic – freeing up your staff’s valuable time.
When seconds count, you want a company known for its firsts
Because this is a total respiratory carestation and not just a ventilator, the Engström Carestation gives you the option of putting the ventilator into standby and continuing to nebulize and/or monitor if the need arises. This gives the user a strong time advantage over systems that require separate monitoring or medication delivery, once ventilation is no longer needed, and is less disruptive to the patient. While every ventilator system uses a sensor to view oxygen delivery, most last only 12 months. The Engström Carestation’s paramagnetic (O₂) sensor is maintenance-free, comes standard and never needs to be replaced. Both intelligent features and both great advantages when seconds count.

Engström Carestation’s safety features.
Breathe easier.
Sophisticated power management control allows the Engström Carestation to prevent accidental shut-off or power interruptions. By sensing the patient is connected, the Engström Carestation waits until it is placed in standby before powering off. Battery backup power comes standard on the Engström Carestation. Automatic patient detection and prioritized, graded, and stored alarms ensure that you can breathe easier.
For more than 100 years, scientists and industry leaders have relied on General Electric for technology, services and productivity solutions. So no matter what challenges your healthcare system faces – you can always count on GE to help you deliver the highest quality services and support.

For details, please contact your GE Healthcare representative today.

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