Uncompromised Ventilation

Bringing ICU ventilation technology to the operating theatre and beyond
You demand the best
So why should anaesthesia ventilation technology be any different than ICU ventilation technology?

OBESE PATIENTS       GERIATRIC PATIENTS       COMPROMISED LUNGS       LAPAROSCOPIES       PAEDIATRIC VENTILATION
Today’s cases make ventilation during anaesthesia challenging. Demographics indicate that patients are not only becoming older and heavier, but are also more likely to have complications, such as compromised lungs, that could significantly increase the challenges during even the most routine procedures.

**Bringing ICU ventilation technology to the operating theatre and beyond**

Ventilation standards are tested every day in the ICU, where the most critically ill patients demand accurate and responsive ventilation. So when delivering ventilation capabilities in the operating theatre, we looked to our ICU ventilator, the Engström™ Carestation™.
FLOW POWER INSIDE provides a digitally controlled flow valve for fast response times similar to the Engström Carestation ICU ventilator. Digital flow delivery technology, or flow valves, helps clinicians reach targeted pressures quickly, maximising time available for gas exchange across a wide range of patient types. And that’s one reason why all of our anaesthesia delivery solutions employ digitally controlled flow valves, a technology that is found inside GE’s Engström Carestation as well as other leading premium critical care ventilators.

Among the two leading anaesthesia system manufacturers, only GE brings premium ICU flow valve technology standard to all of its anaesthesia delivery solutions. Fast, accurate, and powerful, GE’s digitally controlled flow valves respond to changes in the patient’s airway pressure or respiratory efforts at up to 250 times per second.
Go with the flow

Flow valve controlled ventilation?

Drager Evita XL®
Maquet servo-i®
Puritan Bennett 840®
Care/fusion Area™
GE Enfinet™ Carestation™
GE Airsys™ Carestation™
GE Avance™ Carestation™
GE Aespire™
GE Aeslina™
Maquet Flow-i®
Drager Apollo 5, 4
Drager Primus®
Drager Tiro®
Drager Zeus®
Drager Fabius®

Only GE brings premium ICU flow valve technology to all of its anaesthesia delivery solutions.
GE’s anaesthesia delivery solutions feature class-leading breathing circuit kinetics\(^6\) as standard. Whichever solution you choose, you’re not compromising on the quality of ventilation or anaesthesia delivery management. And with the Aisys Carestation, anaesthesia delivery management is taken to the next level with End-tidal Control\(^8\) and an intelligent “circle system” hypoxic guard to avoid inadvertent hypoxic mixtures.

Available with GE’s digital flow sensing technology are all the advanced, intensive care modes that you would expect in the ICU.

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<thead>
<tr>
<th>Mode</th>
<th>Available</th>
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<tbody>
<tr>
<td>VCV</td>
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<td>PSVPro</td>
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<td>SIMV-PC</td>
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FLOW POWER INSIDE

Aespire View

Avance Carestation

Aisys Carestation
With ownership of a GE anaesthesia delivery solution, you’ve invested in leading-edge ventilation equipment from a $160 billion global leader in transformational medical technologies and services. For more than 100 years, healthcare providers like you have relied on GE for high quality anaesthesia solutions to address the clinical needs of today and tomorrow. So that we can deliver the leading technology you have come to expect for your patients, GE proudly has secured more patented innovations in anaesthesia than anyone else.

When choosing anaesthesia delivery solutions, keep in mind that GE supports you at every stage of your purchase. Through value-added services, such as training and service, you receive GE’s healthcare expertise, practices, assets and capabilities to help improve patient care, profitability, and productivity. Also, our accessories and supplies solutions give you access to carefully selected products that increase the effectiveness of anaesthesia delivery.
We found that the anaesthesia ventilators that use compliance compensation (Aisys and Apollo) accurately delivered both large and small tidal volumes to the airway of the test lung under conditions of normal and low lung compliance during VCV (ranging from 95.5% to 106.2% of the set tidal volume).
About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality and efficiency around the world. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

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