MAQUET
GETINGE GROUP

VENTILATION
SERVO-U
THE NEW POWER OF YOU

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SERVO-U™ delivers many effective options for protective ventilation. All of them more accessible, understandable and easy to implement. Which means more patients in all phases of ventilation – controlled, supported, non-invasive and during spontaneous breathing trials – can benefit from advanced lung protective strategies. Welcome to the new power of you.

- Tools to support protective ventilation strategies, such as ARDSNet and NAVA®
- Context-based guidance, therapeutic workflows and intuitive user interaction for all functions
- Upgradeable platform that grows with your needs

Innovation inspired by you

SERVO development has always been based on collaboration with intensive care users from around the world. SERVO-U took this tradition even further – never before have so many users been involved to such a high degree at all stages of development. The quantity and quality of feedback at every stage has had a significant impact on development of the user-friendly advantages of SERVO-U, inspiring a design that makes it possible for more clinical staff to access and use advanced lung protective strategies.

MULTIPLE
PROTECTIVE VENTILATION OPTIONS

The significance of protective tidal volumes is well documented.[1,2,3] The automatic calculation of tidal volume per kilogram of predicted body weight (VT/PBW) is a dynamic guide when changing volume settings to facilitate adherence to ARDSNet protocol strategies. This time-saving new core value is continuously measured and trended, facilitating adjustment of ventilation parameters in all modes.

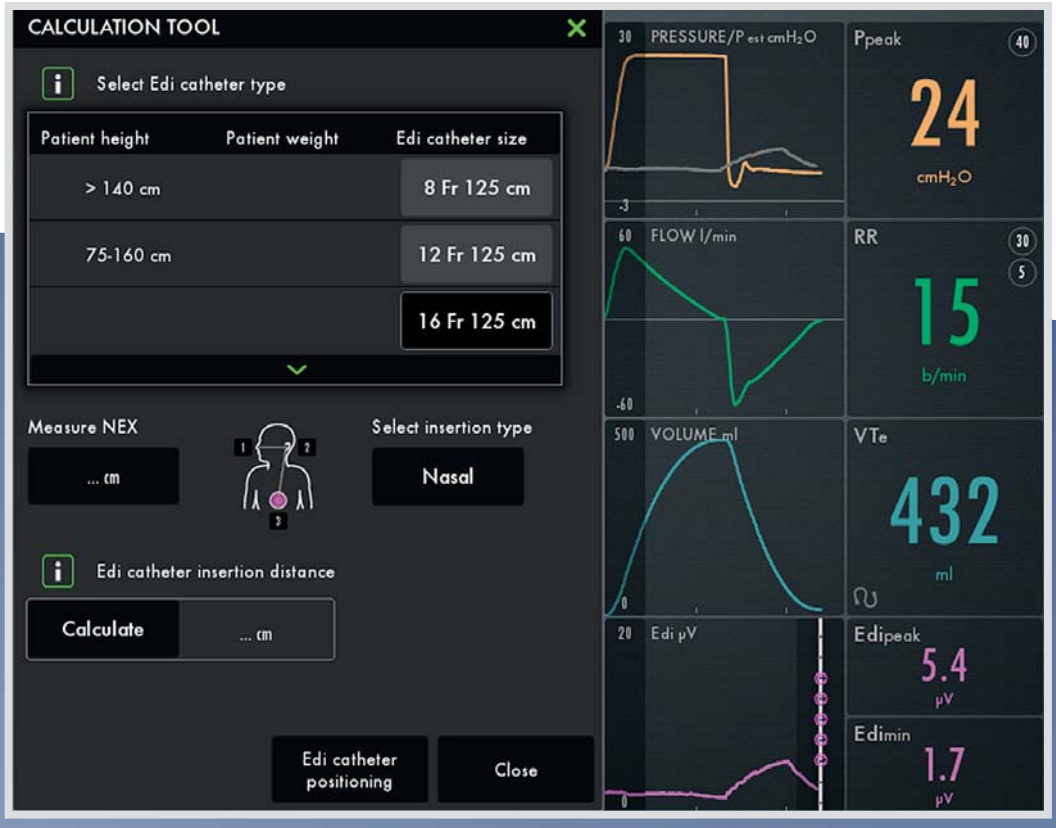
"This offers many more tools for protective ventilation than the other ventilators we are using."

Intensive Care Physician

NAVA is the only ventilation mode where variation is conducted by instant bio feedback, synchronized by the patient brain. It is proportional to effort, thus reducing regional lung overdistension and inflammatory activity.[4]

The NAVA therapeutic workflow helps the clinician during all stages of NAVA therapy. It includes support for choice of Edi catheter, calculation of insertion length, catheter positioning and NAVA preview, and dynamic images and information texts to facilitate adjustment of NAVA mode settings.

The Edi respiratory vital sign helps clinicians track spontaneous breathing efforts and supports sedation management in all ventilation modes as well as in standby. This accurate onscreen information allows appropriate and timely response to changing breathing conditions.[5,6]



INSPIRING
CONFIDENCE

SERVO-U makes ventilation easier and more accessible. The highly intuitive touch screen provides dynamic images and visual feedback, for example trigger settings and end inspiration, that enhance user confidence in being able to tailor treatments to the individual patient condition.

The SAFETY SCALE™ tool to set ventilation parameters helps in tailoring settings in a quick, intuitive and safe way. With SERVO-U, you have easy access to support tools such as context-based views, recommendations and prompts, with shortcuts to make the interaction more direct and time saving.

"The touch screen is easy to understand and use – it's excellent."

Pediatric Intensive Care Physician

Alarm management that makes sense SERVO-U provides intuitive overview and setting of alarm limits, including Autoset in controlled modes, to help minimize stress due to unnecessary alarms. When an alarm activates, the value is highlighted and the light frame on the user interface makes it easy to spot from a distance with 360° visibility. The highlighted value is a shortcut to changing the alarm limit. Onscreen recommendations help you in management of each active alarm.

SERVO-U lets you access up to 72 hours of respiratory history with full freedom to organize trend values for evaluating the patient's condition. This means you can analyze changes between spontaneous and controlled ventilation, the weaning progress and other clinical improvements throughout treatment. The state-of-the-art media library allows you to record actual events in detail as they are happening, with a 15 second capture pre- and post initiation of recording, as well as storing full-screen screenshots. Library content can reviewed at bedside or elsewhere when exported by USB, providing the clinical team unique opportunities for review, discussion, education or research.

"You can rely on the fact it does what you have set."
Intensive Care Nurse

"Very self-explanatory even gives suggestions of how and what to troubleshoot."
Respiratory Therapist

HAVE IT
YOUR WAY

Views and configurability

With SERVO-U, you choose the view that suits the workflow best: views with basic waveforms and values, advanced views with a comprehensive set of measured values, waveforms and loops and the new distance and family views. The distance view is useful for monitoring outside the immediate patient environment, and family view may help to dispel focus on the ventilator. The presentation can be further customized, and all screens are available in more than 20 languages, to make the information more accessible to you.

"It is really easy to find the settings of what you want to do and it is clearly displayed – that is an advantage."

Intensive Care Physician

As flexible as you need it to be

The ergonomic design means the system can be placed to the left or right of the bed, providing 360 degree access in the patient environment. It can also be mounted on a ceiling supply unit, trolley or shelves. And if your patient needs to move outside of the ICU, SERVO-U easily goes along thanks to its compact size, low weight, gasholder design and accessory details.

"The unit is lightweight and mobile."

Respiratory Therapist

SECURING
YOUR INVESTMENT

Solid foundation for the future

The SERVO-U is designed to grow with you. Because it is a modular system, you can configure the features that best serve your patients now. When those needs change, or as future functionality becomes available, you can upgrade easily and cost-effectively.

Interchangeable modules

Interchangeable hardware modules and components means the same feature can be used at different times on mixed SERVO ventilator fleets, lowering overall costs.

Streamlined staff education and training

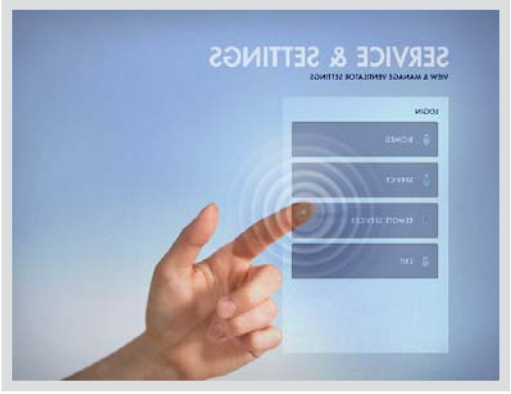
SERVO-U has been developed with involvement from hundreds of ICU staff, to ensure user-friendliness. The intuitive screen and help menus, recommendations and prompts will facilitate quick learning and adaptation from ICU physicians, respiratory therapists, nurses and biomeds. Training can easily be accomodated at bedside as well as through VGA cable for large screen presentations for groups. Trends and values are easily transported by USB for off-site educational opportunities.

"This new ventilator can make me more confident in my caregiving … when needed I feel I can use more advanced features without advanced training, for example during on-call hours."

Pediatric Intensive Care Physician

"For me, this is a secure investment – a solid product to build on, based on a solid foundation."

Intensive Care Physician and Researcher



MAQUET MCare® Services

MCare scalable services adds value from day one and ensures that your system operates at peak performance throughout its lifecycle, so that your staff can take advantage of all its features in the best possible way.

Extended information and support from MCare Remote Services and MCare Portal help you monitor and access information on your fleet in an easy way.

You will have ongoing access to the MAQUET full line of original consumables and parts, designed to keep your SERVO-U performing at its best.

MAQUET
– THE GOLD STANDARD

Leading the way: MAQUET is a premier international provider of medical technology. Focused on the OR and ICU, we are committed to developing solutions that improve patient care.

MAQUET draws on many years' experience in supplying state-of-the-art ventilator systems. Since the introduction of the first SERVO ventilator in 1971, we have delivered more than 100,000 units and SERVO has become the world's number one ventilation brand.

SERVO-U is the next step forward in the evolution of protective ventilatory care. Its new future-proof platform is designed to grow with your needs, combining the best of the SERVO heritage with significant advantages in user-friendliness.

SERVO-U is designed to ensure that clinicians can access its full range of effective tools, and implement them across a wide patient spectrum as easily as possible. It is the latest example of how MAQUET is leading the way in protective ventilation.

PRVC
PRVC
Tidal volume
RR
PEEP
O2 conc.
410
15
5.0
40
Trigger
(l/min)
1.6
Insp. rise (%)
I:E
5
1:2
Ti 1.33 s (33
Minute volume 6.
Trigger
FLOW
l/min
PRESSURE
cmH2O
1.4
Less patient effort
More patient effort
Trigger - Flow
1.4 l/min
FLOW 1.0 l/min
LESS PATIENT EFFORT
MORE PA
1.4
1.8

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All user statements from product development and validation – Data on File, Maquet Critical Care, Solna.

The product SERVO-U may be pending regulatory approvals to be marketed in your country. Contact your MAQUET representative for more information.

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GETINGE GROUP is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, GETINGE and MAQUET. ArjoHuntleigh focuses on patient mobility and wound management solutions. GETINGE provides solutions for infection control within healthcare and contamination prevention within life sciences. MAQUET specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.

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