

Blease700 Ventilator

PATIENT CENTERED VENTILATION



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From the first Blease/Manley ventilator sixty years ago, Spacelabs Healthcare has built a heritage of innovative and intuitive products. Our ventilators are developed in partnership with our customers to address real-life clinical needs.

Key elements of our patient-centered anesthesia solution are;

PERFORMANCE CHOICE VENTILATION

Spacelabs Healthcare - *Connecting Innovation with Care.*



Performance

KEY FEATURES

Touchscreen technology

Active proportional
exhalation valve

Rapid leak and
compliance testing

Minimal maintenance

Just as no patient or surgical procedure is identical, neither are the clinicians that attend to them. Performance therefore is more than just technical capability.

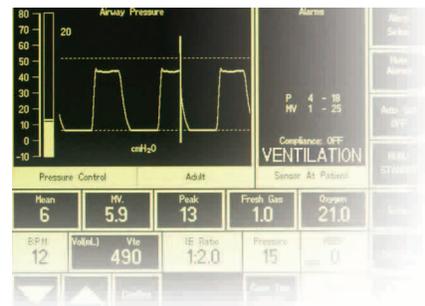
It is the ability of the ventilator to adapt to its users and their patients. Ease of use, consistency, familiarity and overall speed and safety of pre-use testing are all elements of performance, as they determine how clinicians will respond to, learn, test and train others on a ventilator.

Minimal layer menus and multiple methods of navigation (Touch and Trak™) provide quick interaction allowing maximum focus on the patient. Gliding through the options and advanced ventilation modes, it is easy to understand why many clinicians choose Spacelabs Healthcare.

Performance is also in the capability and precision by which the ventilator matches the clinical settings with delivery to the patient. Active proportional flow valves provide precise ventilation delivery regardless of mode.

Safety determines performance. Clear and concise grouping of controls, one touch alarm access and settings reflect this. With an automated leak and compliance test taking less than one minute, the Blease700 delivers accurately even in an emergency.

Minimal spare parts and maintenance requirements further support the long term performance and reduction in cost of ownership of the ventilator.





Choice

KEY FEATURES

Four ventilator models

Choice of platform

Choice of user interaction, touch or trak wheel

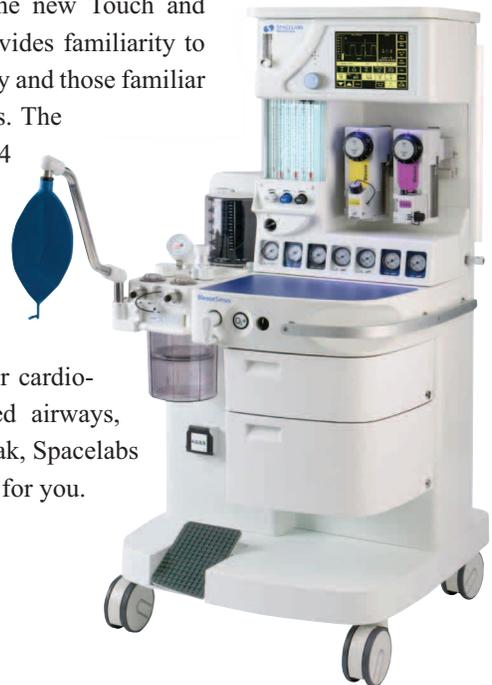
Upgrade path available

Choice is having options. Options and expertise allow informed decisions.

In the Blease700 configuration and interactions are determined by you. Four ventilator models designed to grow with your practice, provide precision and expansion capabilities, cost effectively. Your initial choice of ventilator configuration doesn't have to be final. The Blease700 integrates smoothly with the robust BleaseFocus or innovative BleaseSirius platforms.

A range of ventilation modes and waveform displays are available to upgrade your ventilator to meet your changing patient's requirements. Each ventilator within the series is equipped with a large 8.4" monochrome display which can be easily navigated via the new Touch and Trak™ user interface. This provides familiarity to users of touch screen technology and those familiar with rotary wheel type systems. The ability to programme up to 14 individual screen settings and preferences is also offered, which can be retrieved for future cases.

So whether it is day surgery or cardio-thoracic, neonates or restricted airways, volume or pressure, touch or trak, Spacelabs Healthcare has the right choice for you.





Ventilation

KEY FEATURES

Precision Pressure Control™

Precise fresh gas compensation

Decelerating flow ability

Dynamic compliance compensation

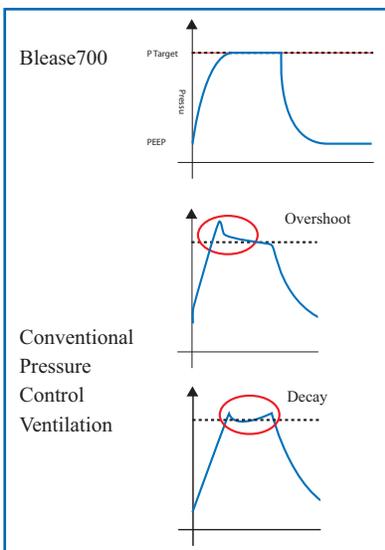
The Blease700 offers Volume Control, Precision Pressure Control™ and SIMV with Pressure Support.

Accurate control is maintained in all modes using not only dynamic compliance and fresh gas flow compensation but also through active control of the inspiratory and expiratory flow valves of the ventilator.

Introducing Precision Pressure Control Ventilation™ (PPCV™)
Ventilating to a set pressure rather than a volume is not new to anesthesia, but its usage is increasing as more complex and diverse cases are being treated.

Current challenges with pressure control ventilation include potential overshoot of pressure that could result in patient injury, and lack of integrated volume monitoring to indicate changes in patient and ventilator status. Compliance changes in the patient, and an inability to track these changes through out the breath, can result in decay in the pressure if the ventilator lacks real time compliance measurement and variable flow capabilities. This could lead to insufficient volumes and inadequate gaseous exchange. Similar results may occur with ventilators with fixed flow rates where the patient's demand is higher than the flow during the inspiratory phase.

The Blease700 ventilator uniquely meets these challenges. During the entire inspiratory time, the Blease700 uses variable inspiratory flow, as well as an active proportional exhalation valve. Both valves work together to precisely control delivery and maintenance of the target pressure.



Technical Specifications

Model	750	730	720
Fresh gas compensation	✓	✓	✓
Compliance compensation (Option of pre-set or measured)	✓	✓	✓
Adult, pediatric & neonate	✓	✓	✓
Ventilation Mode			
Volume control	✓	✓	✓
Pressure control	✓		
SIMV + PSV	✓	✓	
Ventilation Monitoring			
Oxygen	✓	✓	✓
Inspired and expired volumes	✓	✓	✓
PAW	✓	✓	✓
Pressure waveform	✓	✓	✓
Flow waveform	✓		
Parameters			
I:E ratio	2.0:1 - 1:5		
Frequency	2 - 99 bpm		
Set tidal volume	20 -1500 ml		
Minute volume	0.3 - 25 lpm		
Pressure limit	adult: 10 - 70 cmH ₂ O	neonate/pediatric: 10 - 50 cmH ₂ O	
PEEP	3 - 20 cmH ₂ O		
Inspiratory pause	0 - 50%		
Sigh function	The delivered tidal volume is increased by 10% every 10 breaths		
Patient trigger	1 - 15 lpm		
Pressure inspired	10 - 50 cmH ₂ O		
Max Inspiratory flow	100 lpm		
Support pressure	5 - 30 cmH ₂ O		
User set alarms			
Pressure high	10 - 70 cmH ₂ O (equal to pressure limit in volume control or pressure inspired + 25% in pressure control)		
Pressure low	5 - 50 cmH ₂ O		
MV high	1 - 25 lpm		
MV low	0 - 24 lpm		
High bpm	3 - 99 bpm		
Low bpm	0 - 98 bpm		
High oxygen	9 - 110%		
Low oxygen	8 - 109%		
Static alarms			
Apnea	Comms fail Fresh gas too high		
Setting error	Vent inoperative Under pressure		
Low supply gas pressure	Peep error Sensor error		
Inspiratory flow transducer error	Power fail Battery low		
No charge	Apnea alarms in bag mode Sustained pressure		

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