

# SATURN EVO

## ANAESTHESIA WORKSTATION

Medec Benelux nv,  
a leader in stand-alone  
and integrated systems  
for anaesthesia,  
has developed its new  
anaesthesia ventilator  
SATURN EVO.

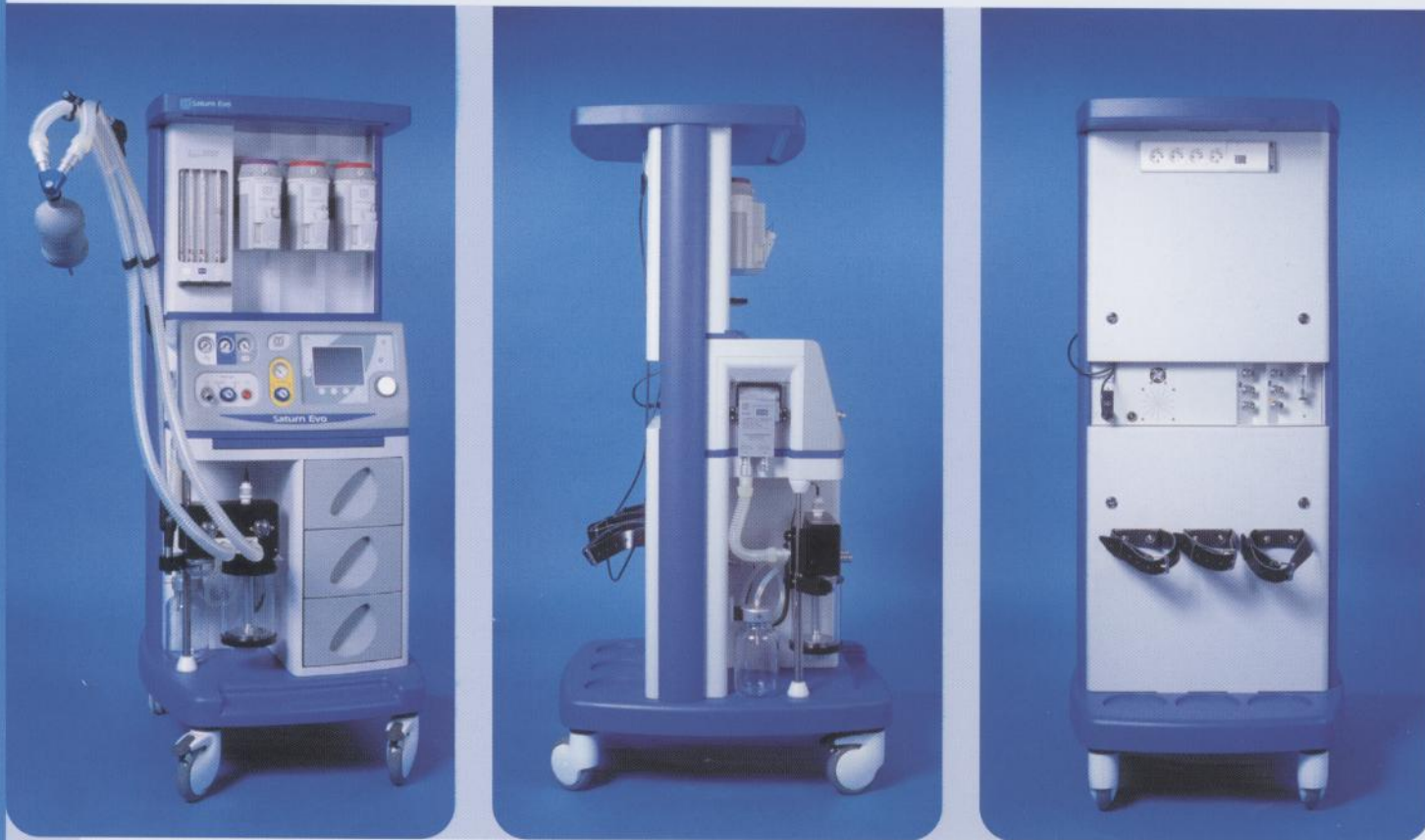
The Saturn Evo  
is modular in design,  
and can be expanded  
through software upgrades.  
The unique principle  
of horizontal  
bag-in-bottle system,  
gives many advantages,  
and unique features



## Complete control in a user friendly environment.

Extra compact, perfectly designed, electronic ventilator which provides advanced ventilator features and advantages, including low/minimal flow anaesthesia, one central screen, etc. : Saturn Evo.

No matter how you turn it, it always looks attractive



The Saturn Evo absorber system is extremely leak tight, and provided with all necessary features :

- quick canister release (self-closing)
- built-in watertrap
- built-in over pressure valve
- self-closing connection to oxygen valve
- vertical position of the one-way valves to avoid blocking and with minimal resistance
- light weight one-way valves, for minimal resistance
- canister at inspiratory side to avoid unnecessary use of sodalime and no patient resistance
- Fresh gas flow at inspiratory side (with volume compensation) to reach the fastest saturation

## Even when the lights go out, our Saturn Evo will continue working



Thanks to the battery backup system of more than 4 hours and the integrated lights (4 positions).

### Standard features includes :

- Three station selectatec system
- Oxygen ratio controlled rotameter (min. 25% of oxygen, and N2O cut-off in case of oxygen failure)
- Built-in suction on vacuum or injector system, with collection jar
- Complete gasevacuation. In controlled AND manual system.
- Patient circuit holder
- Side rail for accessories
- Front fresh gas outlet for connection to manual systems, eg. Jackson Rees Infant systems, or Waters adult system.
- Three holders for cylinders, and extra inlets (according to NIST) for oxygen and Nitrous oxide.
- Oxygen measurement kit
- Writing shelf and monitor shelf
- Easy to handle trolley with three drawers



## The Saturn Evo ventilator



The Saturn Evo ventilator is able to start from 10ml up to 1500 ml, which makes it perfectly suitable for all patient groups.

Ventilating neonates to adults, without having to change any bellow or bag. The unit provides volume controlled ventilation, pressure controlled ventilation as well as manual and spontaneous modes.

### We were able to give it a number of unique features :

- Automatic adjustment from half-open to fully closed depending on the fresh gas flow settings. With even possibility to open system
- Automatic compensation for minor leaks, and changes in patient parameters
- Intrinsic safety, permitting ventilation in all situations
- Large reduction in gases by setting of minimum fresh gas flow (low flow and minimal flow possibility)
- Electronic measurement of fresh gas flow with automatic compensation
- Software available in different languages
- Five years of guarantee on the flow sensor
- Using decelerated flows :
  - Decreased peak airway pressures
  - Flow matches demand from patient
  - Improved patient comfort
  - Uniform gas distribution leading to alveolar recruitment
  - Better oxygenation as well as reduced airway pressures and reduced barotrauma.



**Medec Benelux nv.**

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