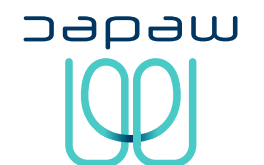




# Saturn Evo Color Advanced



Patient safety



Reliability



Cost efficiency

## Technical data Saturn Evo Color Advanced

<b>Dimensions W x H x D</b>	approx. 65 x 158 x 80 cm (25.6 x 62.2 x 31.5 in)
<b>Power supply</b>	100 - 240 V, 50 - 60 Hz
<b>Battery backup</b>	minimum 90 minutes (min. 60 min. with gas module (option))
<b>Ventilation modes</b>	Man/Spont, CMV, SIMV+VS, PCV+PS, PSV+Apnea Backup (option)
<b>Tidal volume</b>	10 - 1600 ml
<b>PIP</b>	6 - 70 cm H <sub>2</sub> O (PCV); 6 - 40 cm H <sub>2</sub> O (PSV)
<b>Breathing frequency</b>	4 - 80 bpm
<b>I:E ratio</b>	4:1 to 1:6
<b>Inspiratory pause</b>	0 - 50 %
<b>PEEP</b>	0 - 20 cm H <sub>2</sub> O
<b>Upper pressure limit</b>	7 - 99 cm H <sub>2</sub> O
<b>Sigh</b>	1.5 x tidal volume every 64 <sup>th</sup> breath
<b>Oxygen ratio controller (Hypoxic guard)</b>	25 % of O <sub>2</sub> guaranteed in mixture with N <sub>2</sub> O
<b>Oxygen alarm + alarm whistle</b>	N <sub>2</sub> O cut-off if oxygen pressure drops below 1.8 bar
<b>VoluProtect®</b>	Safety system against volutrauma
<b>BaroProtect®</b>	Safety system against barotrauma
<b>Manual ventilation backup</b>	In case of (power) failure automatic switch to Man/Spont
<b>Rotameter range</b>	0 - 1 L/min, 0 - 10 L/min (O <sub>2</sub> ); 0 - 12 L/min (N <sub>2</sub> O); 0 - 15 L/min (AIR)
<b>O<sub>2</sub> flush</b>	At least 35 L/min at 3 bar
<b>Vaporiser mounting blocks</b>	Three Selectatec or Dräger plug-in active mounting positions
<b>Integrated suction system</b>	Pressure gauge, control knob and suction jar
<b>Absorber</b>	1.5 L reusable canister / disposable canister (option)
<b>Ventilator control screen</b>	15" (38 cm) full-colour touchscreen TFT display + rotary knob
<b>Integrated Multigas module (option)</b>	Measurements for CO <sub>2</sub> , N <sub>2</sub> O and AA (Auto-ID) + Paramagnetic O <sub>2</sub> measurement
<b>Serial interface</b>	RS 232



Made in Belgium,  
the heart of Europe



# Saturn Evo Color Advanced

The Saturn Evo Color Advanced anaesthesia workstation is a high-end, fully equipped anaesthesia workstation. It is a compact, built-to-last anaesthesia workstation equipped with the high-performance bag-in-bottle ventilator complete with Medec's unique safety features. The Saturn Evo Color Advanced is a highly efficient, easily operable and low-maintenance anaesthesia workstation with several advanced ventilation modes, both volume-controlled and pressure-controlled.



## Spontaneous or manual ventilation:

- Manual/Spontaneous Ventilation Mode + *VoluProtect*®

## Volume-controlled ventilation:

- CMV - Controlled Mandatory Ventilation + *BaroProtect*®
- SIMV - Synchronised Intermittent Mandatory Ventilation with built-in VOLUME SUPPORT (VS) + *BaroProtect*®

## Pressure-controlled ventilation:

- PCV - Pressure-Controlled Ventilation with built-in PRESSURE SUPPORT (PS) With adequately set pressure trigger PCV becomes: PC-SIMV - Synchronised Intermittent Pressure-Controlled Ventilation with built-in PRESSURE SUPPORT (PS)
- PSV - Pressure Support Ventilation with Apnea Backup

## The Saturn Evo Color Advanced anaesthesia workstation comprises:

- 15" full-colour touchscreen with control knob
- ORC Rotameter (with 25% oxygen safeguard and oxygen alarm)
- Triple *Selectatec*® or *Dräger Plug-In*® vaporiser mounting system
- APL arm with Y-piece connector and bag hook
- Extendable writing shelf
- Patient tubing holder
- Three drawers
- Advanced absorber block (CO<sub>2</sub> bypass) with soda lime canister
- Common gas outlet
- Integrated suction system with pressure gauge
- Three gas pressure gauges (O<sub>2</sub>, N<sub>2</sub>O, air)
- Two cylinder pressure gauges on front panel (O<sub>2</sub>, N<sub>2</sub>O)
- Three cylinder holders at back
- Anti-static castors with brake
- Integrated Gasovac for active scavenging system

*The Saturn Evo Color Advanced anaesthesia workstation is a modular unit which can be upgraded to meet your individual needs. Several options are available to provide for a customized anaesthesia workstation, facilitating its integration into your operating room. A customised anaesthesia unit can become a fully integrated standalone machine, optimising the use of space in your operating room.*



## Available options for the Saturn Evo Color Advanced:

- Patient monitor
- Dual flow tubes for N<sub>2</sub>O and air
- Extra O<sub>2</sub> outlet with single flowmeter (for oxygen therapy)
- Built-in pin-index yokes for two gas cylinders
- Electrically driven ventilator (built-in compressor)
- Integrated Gasovac with gas ejector (Venturi principle) for passive scavenging system
- Built-in aspiration system for autonomous suction system (Venturi principle)
- External medical air compressor
- External oxygen concentrator
- Integrated gas module
- TronicFlow (electronic rotameter)
- Semi-open manual breathing systems (e.g. Jackson Rees)



## Gas Module

To further optimise the efficiency of the Saturn Evo Color Advanced a gas module can be integrated into the workstation. The gas module allows you to monitor all inspiratory and expiratory gas values, capnography and the measured MAC value. Automatic agent identification is included. The paramagnetic oxygen analyser has an unlimited life span and does not require any calibration, replacing the traditional consumable oxygen sensor. All gas module parameters, together with the ventilation parameters, are clearly visible in the Saturn Evo Color Advanced's ergonomically positioned 15" display.

*Specifications of products are subject to change and may differ from those shown or stated.*