



ANAESTHESIA

MORPHEUS

Anaesthesia line



MORPHEUS M

MECHANICAL GAS MIXING SYSTEM



MORPHEUS E

ELECTRONIC FLOW METERS



The Morpheus is an anaesthesia workstation suitable for treatment of adults, children and new-borns. It is provided in 2 versions: with electronic flowmeters group or with 5 rotameters keeping both the same characteristics of the system.

The unit frame is made for 30% of light alloy and for 70% of fully recyclable plastic material.

Thanks to the material used, the Morpheus has a total weight of less than 80 kgs.

MANUAL VENTILATION SYSTEM

The Morpheus is equipped with an advanced manual ventilation system that can be switched on and off automatically by the ventilator; the operator can select the APL system or the AUX system with traditional To-and-Fro valve and O₂ by pass safety system.





ELECTRONIC VENTILATOR WITH 12" TFT COLOUR DISPLAY

The ventilator works by a microprocessor electronic control system with a simple and intuitive interface, which allows the anesthetist to operate in a clear and safe way. Unique control by encoder for the regulation and management of all respiratory parameters. This system incorporates the automatic compensation of dead space, the leakages calculation and the automatic calibration of FiO_2 transducer.

Operative modes:

MANUAL,
VC-VAC,
VC-VAC BABY,
APCV,
APCV-TV
SPONT,
SIMV (VOLUMETRIC+PS, SPONT)
PSV,
APONEA BACK-UP
GAS ANALYSIS (OPTIONAL)
(CO_2 , NO_2 , O_2 , AGENT)
(MAC)

Measured parameters:

Paw, PEEP, Vt,
ExpMV, Rate, I:E
P_{MAX} - P_{MEAN}
PAUSE (%)
 FIO_2
TPause (%)
InspFlow, ExpFlow
T_{insp}, T_{exp}
Cs, Ri

Ventilation curves:

Pressure
Flow
Volume
Loop (volume/pressure, volume/flow)
Measurement range auto



SIARE FLOW

The respiratory dynamics analysis of Morpheus is made through the exclusive SIARE FLOW[®] sensor with operating principle by magnetic disturbance. This reusable and sterilisable flow sensor is placed directly inside the expiratory valve and thanks to its advanced technology it can analyse volumes below 10 ml.

BREATHING SYSTEM

The Morpheus breathing system is an absolute novelty. Its design philosophy is the result of more than 40 years experience in anaesthesia field. The system is compact, lightweight for manual removal and fully autoclave. The patient group is supplied with an automatic heating system avoiding humidity with possibility to use reusable CO_2 adsorbers canister (TOP SPECIAL) of 1 Kgs. Both adsorbers are with quick-release enabling replacement also during anaesthesia.



MORPHEUS LT

ANAESTHESIA UNIT

The Morpheus LT is an anaesthesia unit suitable for treatment of adults, children and new-borns.

It is provided with a mechanical 3-gas flowmeters group and a group for rapid connection of two vaporizers in line and it is supplied with an advanced manual ventilation system, APL system, or AUX system with traditional To-and-Fro valve switched on and off automatically by ventilator.

The unit frame is made for 30% of light alloy and for 70% of fully recyclable plastic material. Thanks to the material used, the Morpheus has a total weight of less than 80 kgs.



LUNG VENTILATOR

The ventilator works by a microprocessor electronic control system with a simple and intuitive interface, which allows the anesthetist to operate in a clear and safe way. The system is provided with 3 dedicated softwares to have automatically the default settings for adult and paediatric patients and new-borns. It is provided with the automatic compensation of dead space, the leakages calculation and the automatic calibration of FiO_2 .



Operative Modes:

MAN
VC-VAC
PCV-APCV
APCV
P-SIMV
V- SIMV

Measured parameters

PAW
RATE
VM - VTE
T. INSP
 FiO_2



MANUAL VENTILATION SYSTEM

The Morpheus is equipped with an advanced manual ventilation system that can be switched on and off automatically by the ventilator; the operator can select the APL system or the AUX system with traditional To-and-Fro valve and O_2 by pass safety system.



BREATHING SYSTEM

The patient group of Morpheus LT is compact, lightweight for manual removal and fully autoclavable.

The patient circuit group is supplied with an automatic heating system avoiding humidity with possibility to use reusable and rechargeable CO_2 absorbers (TOP SPECIAL) of 1 kg.

Absorber is with quick-release enabling replacement also during anaesthesia.

The group is supplied with an exposed bellow that can be manually inspected.



The Morpheus LT is equipped with 3 wide and large drawers and a large work-shelf to facilitate operating rooms procedures.

MORPHEUS LT/MRI

ANAESTHESIA UNIT FOR MAGNETIC RESONANCE

The Morpheus LT/MRI is an anaesthesia unit suitable for treatment of adult, paediatric and neonatal patients. Thanks to the material employed, the Morpheus LT/MRI is compatible with the most modern Magnetic Resonance Imaging technologies.

It is provided with a mechanical 3-gas flowmeter box with double scale for low flows, with a group for rapid connection selectatec compatible of two vaporizers and it is supplied with an advanced manual ventilation system, APL system or AUX system with a traditional to-and-fro valve automatically switched on & off by the ventilator.

The unit frame is made for 30% of light alloys and for the 70% of plastic material.



LUNG VENTILATOR

The ventilator works by a microprocessor electronic control system with a simple and intuitive interface, which allows the anaesthetist to operate in a clear and secure way. The system is provided with 3 dedicated software to have in automatic the default settings for adults, children and newborns. The ventilator is provided with the automatic compensation of dead space, the leakages calculation, the automatic calibration of FiO_2 , the analysis of expired volume, respiratory pressure and breathing rate.



Operative Modes:

MAN
VC-VAC
PCV-APCV
P-SIMV
V- SIMV

Measured parameters

PAW
RATE
VM / VTE
INSP Time
 FiO_2

BREATHING SYSTEM

The breathing system of MORPHEUS LT/MRI is compact, lightweight, manually removable and fully autoclavable. It is equipped with an automatic heating system to avoid condensing with the possibility to use reusable CO_2 absorber canister of 1kg (TOP SPECIAL), with rapid connection for replacement also during anaesthesia.



sicre®

MAGNETIC RESONANCE

Compatible with most modern magnetic resonance (1,5 - 3 tesla) imaging technologies (GE, PHILIPS, TOSHIBA).



DATA FOR ORDERING

MORPHEUS M



OM3 S5 MORPHEUS M
Anaesthesia Workstation with
mechanical gas mixing system

OPTIONAL ACCESSORIES



Code 100150/IDF
Isoflurane
Vaporizer

Code 30910
TOP SPECIAL
1 Kg CO₂ absorber rechargeable



Code 100148/IDF
Fluo- Halotane
Vaporizer



Code 0300E
Active gas scavenger



Code 100145/IDF
Code 100145/Q (Quik fill)
Sevoflurane
Vaporizer



Code 0200E
Passive gas scavenger



Code 100151/IDF
Desflurane
Vaporizer



Code A57.049-800601
Sidestream gas analyzer
(5AA, N₂O, CO₂)



Code 06751
Stainless steel
patient circuit
supporting arm

Code 001562/SLR
Silicone patient circuit for adult
Code 001562/SLRP
Silicone patient circuit for pediatric
Code 001562/SLRN
Hytrex patient circuit for neonatal

MORPHEUS E



OM3 SE MORPHEUS E
Anaesthesia Workstation with
electronic gas mixing system

MORPHEUS LT



OM3.A3s MORPHEUS LT
Anaesthesia unit with
mechanical gas mixing system

MORPHEUS LT/RMN



OM3.A5s/RMN MORPHEUS LT/MRI
Anaesthesia unit for magnetic resonance
imaging with mechanical gas mixing
system.



Code 100150/IDF
Isoflurane
Vaporizer

Code 30910
TOP SPECIAL
1 Kg CO₂ absorber rechargeable



Code 100148/IDF
Fluo - Halotane
Vaporizer



Code 0300E/RMN
Amagnetic active gas scavenger



Code 100145/IDF
Code 100145/Q (Quik fill)
Sevoflurane
Vaporizer



Code 0200E/RMN
Amagnetic passive gas scavenger

Code A17.07000001
Disposable flow sensor

FOR FURTHER ACCESSORIES, PLEASE REFER TO THE CURRENT PRICE LIST