ATMOS
MedizinTechnik

ATMOS Emergency Suction Device

Mobile emergency suction device for clear airways

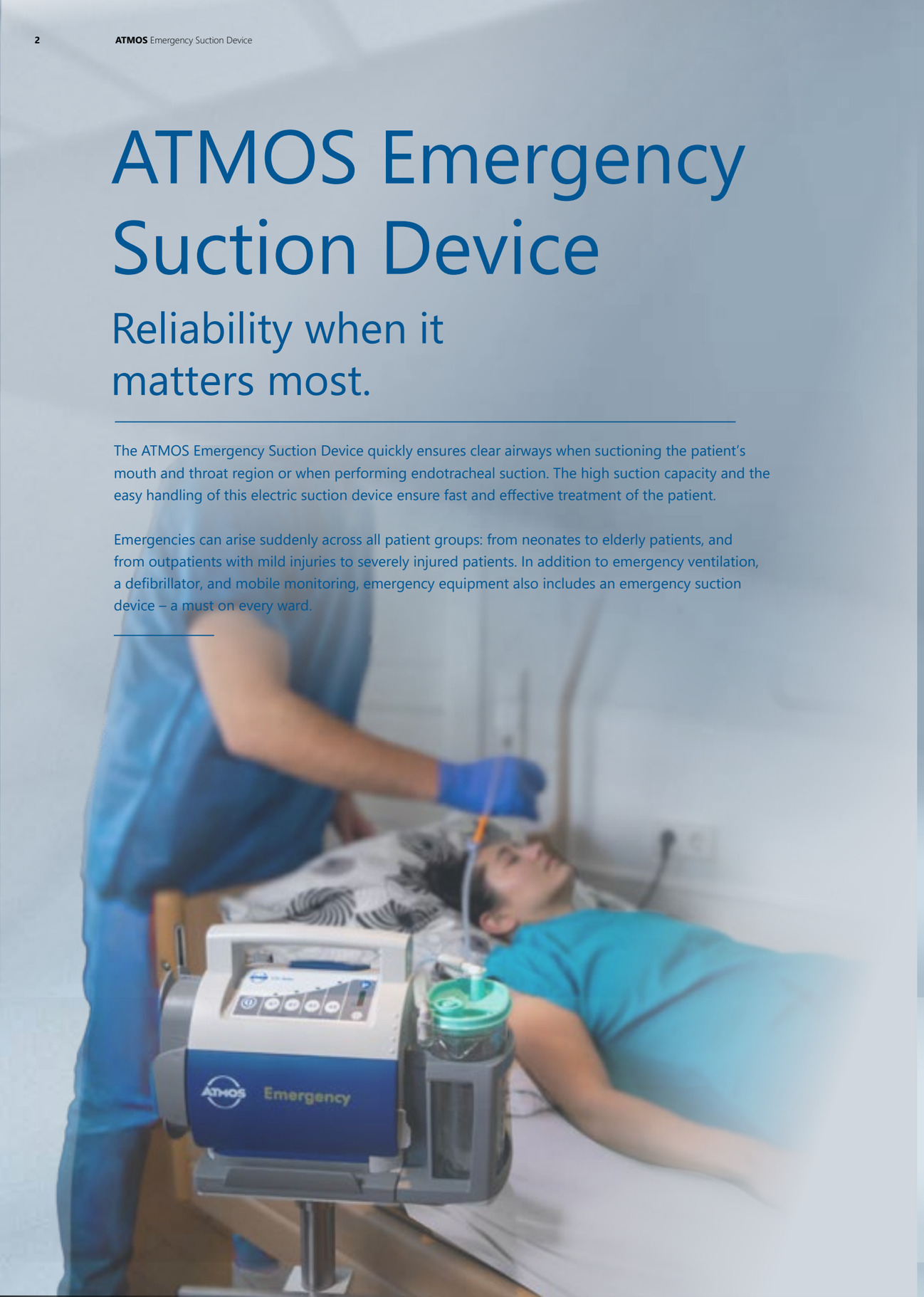
Exactly what I need

ATMOS Emergency Suction Device

Reliability when it matters most.

The ATMOS Emergency Suction Device quickly ensures clear airways when suctioning the patient's mouth and throat region or when performing endotracheal suction. The high suction capacity and the easy handling of this electric suction device ensure fast and effective treatment of the patient.

Emergencies can arise suddenly across all patient groups: from neonates to elderly patients, and from outpatients with mild injuries to severely injured patients. In addition to emergency ventilation, a defibrillator, and mobile monitoring, emergency equipment also includes an emergency suction device – a must on every ward.



Fast and reliable

THANKS TO QUICK READINESS FOR USE IN ANY SITUATION

- High suction capacity and fast vacuum build-up
- One-handed release button for simple removal of the device from the support
- Automatic charging function in the support

Mobility

THANKS TO TRANSPORT-OPTIMISED DESIGN

- Up to 60 minutes of use in battery operation
- Tilt-resistant thanks to a low centre of gravity
- Lightweight yet sturdy construction
- Robust housing made of shockproof materials
- Large handle

Optimal usability

THANKS TO A WELL-DESIGNED OPERATING CONCEPT – RELIABLE EVEN UNDER TIME PRESSURE

- Simple control panel with real-time vacuum display
- Individual vacuum setting
- Hose storage in the hose holder on the side of the device
- Easy battery replacement by the user from the outside – without tools

Versatile use

THANKS TO AN EXTENSIVE RANGE OF ACCESSORIES

- Available with reusable or disposable canister system
- Mounting on a wall or standard rail with the wall and device support
- Flexible use anywhere with a trolley

Applications:

- Hospital / clinic
- Emergency medicine
- Intensive care unit
- Normal ward
- In-hospital emergencies
- In-hospital transport
- Rest homes and nursing homes
- Home care environment

Speed

Every second counts? No problem.

Fast and reliable

The ATMOS Emergency Suction Devices were developed for situations where every second counts. The one-handed release button enables particularly quick removal from the support, while the integrated charging function ensures that the device is always fully charged and immediately ready to use.

Thanks to fast vacuum build-up, suctioning can begin without delay – reliably and right where the patient is.

ONE-HANDED RELEASE
The one-handed release button is specifically designed for the wall and device support (REF 318.1250.0) and enables the particularly convenient removal of the device from the support. The ATMOS Emergency Suction Device stays safely and neatly stored in the support – yet is ready for immediate use at the push of a button.

FAST VACUUM BUILD-UP
The exceptionally fast vacuum build-up of the ATMOS Emergency Suction Devices guarantees a smooth bronchial suction process – regardless of the canister system used.

AUTOMATIC CHARGING FUNCTION IN THE SUPPORT (REF 318.1250.0)
The integrated charging function via the power supply unit in the support ensures that the ATMOS Emergency Suction Device is always fully charged and ready for immediate use. Once the device clicks into the support, the charging process begins automatically – without any additional steps or manual intervention.

Mobility

Mobile use? Absolutely.

For mobile use in everyday clinical routine, an emergency suction device must be easy to carry and use at all times. The ATMOS Emergency Suction Device offers up to 95 minutes of battery operation, enabling it to be used fully independently of the mains supply.

Its sturdy construction and low centre of gravity ensure safe handling and high tilt resistance during transport. The robust, shock-resistant housing reliably protects the internal components from vibrations, thus guaranteeing the device's functionality in critical situations – a crucial contribution to ensuring patient care.

Mobility

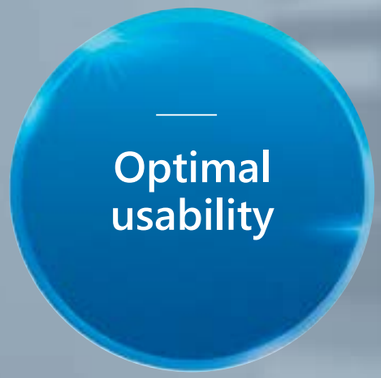
Usability

How about its handling? Intuitive.

The ATMOS Emergency Suction Devices are designed to be operated safely and intuitively, even under extreme time pressure. The clearly structured control panel provides all relevant information at a glance. Depending on the model, the real-time vacuum is indicated by a clearly visible LED (ATMOS E 341 Battery) or a precise vacuum gauge (ATMOS C 341 Battery). In addition, the illuminated display of battery status ensures that the current charge level is always immediately recognisable – even in dark, hectic situations. This allows users to maintain full control at all times and focus entirely on the emergency.

TWO OPERATING PHILOSOPHIES – THE RIGHT SOLUTION FOR EVERY NEED

The infinitely variable vacuum adjustment of the ATMOS C 341 Battery
The ideal device when suction capacity and precise settings are of the utmost importance. Thanks to the **infinitely variable vacuum setting**, the suction capacity can be individually adjusted to suit the patient. Values can be set between −0.1 bar and −0.8 bar, making the ATMOS C 341 Battery equally suitable for use on infants, children, and adults.



The electronically preset vacuum values of the ATMOS E 341 Battery
The ideal device when time and suction capacity are of utmost importance. Fast, safe suction is guaranteed thanks to the **preset electronic vacuum values** and high suction capacity. No complicated settings – no uncertainty and no wasted time. The ATMOS E 341 Battery is also capable of performing an **automatic function check**. During this check, not only the tightness of the system is tested, but also the remaining capacity of the battery and the remaining operating hours.

Versatile use

Possible applications

The right solution for every setting.

Two different canister systems are available for the ATMOS Emergency Suction Devices: a reusable canister system (DDS) for sustainable reusability and a disposable canister system for maximum hygiene and a quick change to a new patient. Both variants can be installed without tools and are fully compatible with the ATMOS C 341 Battery and the ATMOS E 341 Battery.

Reusable canister system
The DDS canister system is a robust and reusable solution for facilities that prioritise cost-effectiveness, streamlined processes, and reliable reprocessing. It consists of an autoclavable 1-litre secretion canister, a two-piece lid with an integrated float ball to prevent overflow, and a filter holder with a hydrophobic bacterial and viral filter. Thanks to its well-thought-out design, the system offers impressive ease of use, quick and thorough reprocessing, and particularly straightforward assembly – all without hoses.

Disposable canister system
For areas with particularly high hygiene requirements or frequent patient changes, three high-performance disposable canister systems are available: the ATMOS Disposable Suction System, Medi-Vac®, and Serres®. They ensure maximum safety, quick changes between patients, and hygienic single-use without the need for additional cleaning.

A disposable canister system consists of a sturdy external canister, a disposable suction bag with an integrated bacterial filter, and the corresponding hose leading to the device. This combination significantly reduces the risk of cross-contamination, streamlines workflows, and ensures safe, fast, and clean changes in everyday clinical practice.

ATMOS Disposable Suction System

Medi-Vac®

Serres®

MOUNTING OPTIONS

COVER FOR CATHETER TUBULAR
REF HM57525151

SUCTION CATHETER
REF 000.0294.0
REF 000.0295.0
REF 000.0296.0

WALL AND DEVICE SUPPORT FOR ATMOS EMERGENCY SUCTION DEVICE
REF 318.1250.0

CATHETER TUBULAR
REF HM57525150

EQUIPMENT RAIL
REF HM57525346

ADDITIONAL MOUNTING OPTIONS
For example: Basket
REF HM57508012

TROLLEY FOR ATMOS EMERGENCY SUCTION DEVICES
REF 318.1800.0

The ATMOS trolley offers a flexible and convenient solution for the mobile use of ATMOS Emergency Suction Devices. Thanks to its modular configuration options, the trolley can be customised to suit a variety of requirements and workflows. All necessary components are available separately and can be freely combined.

Overview

The devices at a glance.

TECHNICAL DATA

	ATMOS E 341 Battery *	**ATMOS C 341 Battery** **
Suction capacity	34 l/min (± 4 l/min)	26 l/min (± 4 l/min)
Mode of operation	Short-term operation (60 min ON, 120 min OFF)	Short-term operation (45 min ON, 90 min OFF)
Battery	Lithium-ion battery	Lead-acid battery
Battery operating time	Up to 95 min	Up to 40 min
Charging time	< 6 h	< 14 h
Display of battery status	5 LEDs	4 LEDs
Vacuum adjustment	4 steps −0.1 bar, −0.2 bar, −0.5 bar, −0.8 bar	With a stepless vacuum regulator −0.1 bar up to −0.8 bar
Manometer	–	✔
Vacuum display	✔	✔
Weight	3.65 kg (without canister)	4.6 kg (without canister)
Dimensions (H x W x D)	370 x 277 x 146 mm	370 x 277 x 146 mm
Noise level	< 60 dB(A)	< 60 dB(A)
Secretion canister size	1000 ml	1000 ml
Power supply	100 V AC to 240 V AC 50 Hz to 60 Hz	100 V AC to 240 V AC 50 Hz to 60 Hz
Operating temperature	−5 °C to +50 °C	−5 °C to +50 °C
Wall and device support	✔	✔

ATMOS Emergency Suction Device	**REF**	**REF**
DDS	319.1000.0	318.1300.0 **
Serres®	319.1100.0 *	318.1400.0
Medi-Vac®	319.1200.0	318.1600.0
Universal bracket	319.1300.0	318.1700.0

ACCESSORIES

Disposable canister systems	**REF**
ATMOS-External Canister 1 l	401.0100.0
ATMOS-Suction Bag 1 l, 100 pcs.	401.0102.0
ATMOS-Suction Bag 1 l with Gelling Agent, 100 pcs.	401.0101.0
L-connector for ATMOS-External Canisters, 10 pcs.	401.0093.0
Serres®-external canister 1 l	312.0465.0
Serres®-suction bag 1 l, 36 pcs.	312.0466.0
Serres®-suction bag 1 l, gelling agent, 32 pcs.	312.0467.0
Serres®-angle connector grey, 2 pcs.	310.0415.0
Medi-Vac®-external canister 1 l	312.0473.0
Medi-Vac®-suction bag 1 l, 50 pcs.	312.0474.0
Suction hose, PVC, CH 30, L = 1.30 m, 10 pcs. with integrated device connector and fingertip, disposable	006.0057.0
Suction hose, PVC, Ø 5.5 mm, L = 2.10 m, 50 pcs. with integrated device connector, disposable	006.0059.0
Vacuum hose for disposable canister system	318.1211.0

Other disposable suction systems available on the market can be used.

Reusable canister system	**REF**
DDS canister system 1 l, complete (with 10 filter)	318.1000.0
DDS canister system 1 l, complete (with 1 filter)	318.1040.0
Hydrophobic DDS bacterial and viral filter, 10 pcs.	340.0054.0
Suction hose, silicone, Ø 10 mm, L = 1.3 m, 1 pc.	318.1012.0
Fingertip for suction hose 10 mm, 10 pcs.	318.1100.0

Catheters	**REF**
Suction catheter, CH 12, 100 pcs.	000.0294.0
Suction catheter, CH 14, 100 pcs.	000.0295.0
Suction catheter, CH 16, 100 pcs.	000.0296.0

Other accessories	**REF**
Wall and device support for ATMOS emergency device	318.1250.0
Trolley ATMOS emergency suction devices	318.1800.0
Catheter tubular	HM57525150
Cover for catheter tubular	HM57525151
Equipment rail for the VENTA SP trolley	HM57525346
Basket, dimensions 170 x 130 x 85 mm	HM57508012
Carrying strap for ATMOS devices	312.0850.0
Car power cable for ATMOS emergency device, 12 V~	318.0036.0
Power supply and recharging unit for ATMOS C / E 341 Battery	318.0035.0

ATMOS Online Shop
You can find further information and images regarding our products, the scope of delivery, and all accessories in our online shop.
atmosmed.shop

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MedizinTechnik

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Scan the QR code to go to the ATMOS Emergency Suction Device web page.

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