Efficient, innovative and safe!

ATMOS®
Medical Suction Systems
Welcome to the Black Forest, the renowned centre for precision engineering and mechatronics, also known as the "Silicon Valley" of German medical technology.

With more than 100 years of experience in the field of medical suction we know that medical professionals constantly rely on our products in difficult conditions and in critical situations. We therefore improve them continuously.

Development represents progress. Since developing the world’s first digital cardiothoracic drainage system, we have been an important and significant part of this progress.

We have made it our mission to make technically complex devices simple to use. As a technology leader, we have consistently served clients with new generations of high-performance and economical suction solutions. An investment in the future:

„Ready for Healthcare 4.0“

Frank Greiser  |  Managing Director
Surgical Suction

Long operations that produce large volumes of fluids require a system that performs suction as quickly and quietly as possible. A perfect surgical suction device must also be robust and durable, especially under extreme conditions.
**High suction capacity for a clear surgical field**

**Low noise level**

**Maximum reliability in all situations**

Modular overflow protection and two equipment rails for fixation of up to four secretion canisters.

Optionally with two DDS canisters and integrated change-over lever or with disposable suction systems.

Microprocessor controlled with automatic vacuum control, standby automatic, filling level control with automatic switching off, suction adherence detection and automatic intermittent mode.

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**MEDAP TWISTA SP 1070**

**ATMOS® Record 55**

**ATMOS® S 351 OT**
A universal suction device depends on a high degree of flexibility. In addition to the varied requirements in the operating theater, a universal suction device is also suitable for use on peripheral wards and in private practices. Everything is possible: placement on a trolley, the platform of a ceiling supply unit, a shelf or on equipment rail.
Mobile and versatile
Usable anywhere
Fast and easy disinfection

Surgical Suction
- Vacuum Extraction
- Bronchial Suction
- Cardiothoracic Drainage
- Wound Drainage
- Smoke Evacuation
- Suction
- Oxygen Supply
- Mobile Oxygen Supply

Two sided interfaces for equipment mount, for secretion canisters or modular overflow protection as well as additional bacterial filter at the pump outlet.

Simple and easy conversion of a mobile system to a tabletop device. Operation is possible via foot controller or foot switch.

Simple adaptation of a secretion canister on the device without additional tubing.

MEDAP BORA UP 2080

ATMOS® C 451

ATMOS® C 361
Vacuum Extraction

Obstructed labour, maternal exhaustion or a risk to the health of the child require a vacuum-assisted birth with extraction cup. Simple and safe handling is an absolute must.
Maximum safety for mother and child

Easy handling for less margins of error in usage

Quick operational readiness

Microprocessor controlled vacuum creation with freely preselectable parameters and controlled vacuum extraction for gentle ventilation of the suction cup.

With variable vacuum regulation, foot controller and trolley.
Bronchial Suction

Bronchial suction devices for universal use in hospitals, nursing homes and in the home-care sector must be light and compact. In order to free the airways of viscous secretions and debris, a reliable and powerful electrical suction devices is needed. A battery is essential for mobile use, especially in emergency situations.
Simple, intuitive operation

Easy vacuum adjustment

Maximum protection against oversuction

Revolutionary vacuum setting with large vacuum gauge for excellent visual control combined with 100% oversuction protection.

Condensate trap for quick visual inspection of possible oversuction, allowing for cost-effective preparation.

Electronically preselectable vacuum levels and high suction capacity for quick and safe suction.

**MEDAP VENTA SP 26**

**ATMOS® C 161**

**ATMOS® E 341 Battery**
Cardiothoracic Drainage

In thoracic and cardiac surgery as well as in general, intensive and emergency medicine, cardiothoracic drainage systems are intended for the treatment of pneumothorax and pleural effusions amongst others, as well as for use when surgically opening the thorax. Digital systems offer significant advantages: easy and safe handling, early mobilization of the patient, automatic warning messages and easy readout of therapy data.
Increased safety for patients and personnel

Time saving for nurses

Mobile and flexible

Particularly powerful pump 2,000 ml secretion canister volume and optional water lock for use in the presence of strong coagulation and large amounts of liquid as well as with large air leaks.

Compact, battery-operated device with a 800 ml secretion canister, a double lumen hose system and a carrying strap.
Wound Drainage

Negative pressure therapy uses controlled negative pressure to support and accelerate wound healing, improved blood circulation and granulation of new tissue. For chronic wounds in particular (e.g., leg ulcers, diabetic foot syndrome, pressure ulcers) as well as for acute wounds, the modern wound care process is used.
User-friendly
Self-explanatory
Reliable

Touch operation for easy setting of therapy parameters, gentle negative pressure creation and easy switching of 300 ml and 800 ml secretion canisters.
Smoke Evacuation

During cutting and coagulation when using ultrasonic, HF, RF or laser devices, surgical smoke and aerosols are produced because of thermal processes. Toxicological studies have demonstrated the release of a variety of harmful substances (such as viruses, bacteria, mycobacteria). Modern smoke evacuation devices remove the resulting particles and unpleasant odors and provide a clear view of the surgical field.
**High suction capacity for quick evacuation of surgical smoke**

**Very quiet**

**Safe removal of particles and odors**

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**MEDAP FUMOVAC 700**

Normal and turbo mode, two button control and four-stage high-performance filter with three inputs incl. magnetic flaps.

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**Accessories and consumables**

Accessories and consumables for a variety of indications.
Suction with CGS

Tapping device for central gas supply systems (CGS) are available for vacuum and compressed air and in different versions for surgical suction, as well as for bronchial suction. The protection of the CGS against oversuction and contamination is particularly important. Tapping devices for compressed air also depend on an effective noise reduction while maintaining high suction capacity.
**Powerful, reliable and durable**

**Best hygiene due to large rounded surfaces**

**Indication-specific versions**

Attractive housing with swivel vacuum gauge in four different versions for surgical suction, bronchial suction, drainage and cardiothoracic drainage.

Particularly effective noise reduction with high suction capacity.

MR-conditional, with extremely high suction capacity, large vacuum gauge and indication label.
Oxygen Supply

Supplying oxygen depends on precise administration. Special versions for paediatrics and neonatology ensure the required precision even for the smallest amounts. The click-stop disc flowmeters allow a very large number of settings.
Precision adjustability
Excellent reading precision
Tailored treatment for all patients

Attractive housing with adjustable precisely regulation knob.

MR-conditional with particularly easy to read scale.

MR-conditional with 13 settings in normal, pediatric, and neonatology versions.

MEDAP FINA FLOW
MEDAP S FLOW
MEDAP LS FLOW

Surgical Suction
Vacuum Extraction
Bronchial Suction
Cardiothoracic Drainage
Wound Drainage
Smoke Evacuation
Suction
Oxygen Supply
Mobile Oxygen Supply
Mobile Oxygen Supply

If oxygen is needed on a ward without an appropriate gas extraction point or a patient requires ventilation during intra-hospital transport, the gas is supplied via gas cylinders. The pressure reducer used must have a high nominal flow and high-pressure stability when decreasing cylinder pressure.
Bronchial Suction
Vacuum Extraction
Cardiothoracic Drainage
Wound Drainage
Smoke Evacuation
Suction
Oxygen Supply
Mobile Oxygen Supply
Surgical Suction

**High nominal flow**

**Highest pressure stability eliminates readjustments**

**Up to 300 bar inlet pressure for additional safety**

Pressure reducer with and without integrated flowmeter, with short and long fittings and with or without additional output.

Portable compact unit for placement and suspension from an equipment rail or by the bedside for manual short-term ventilation and for short-term suction.

For use during transport and on the normal ward as well as an emergency supply in case of failure of the central gas supply.
Quality Work
Made in the Black Forest
Made in Germany

ATMOS® suction devices are a wealth of technical know-how. A task best fitting the perfectionists from the Black Forest.

At ATMOS, we leave nothing to chance. Everything in an ATMOS® product is "Made in Germany" - from product design through to development, all the way to manufacturing. Every employee has a wealth of experience in the manufacturing of medical devices, enthusiasm for the product and a distinctive quality awareness.

ATMOS has modern production machinery, specialized assembly space and high-precision measuring devices. Before an ATMOS® product leaves the plant, all functions are thoroughly checked before final approval for delivery can be administered.

ATMOS quality is built on responsibility

The proverbial ATMOS quality is geared to the high demands of our customers. To produce quality, employees must consider quality as a part of their duties and are responsible for their own work, which is always based on the guidelines according to DIN EN ISO 13485. The ATMOS quality management system covers every step from development to service.
The more than 300 ATMOS employees are devoted to one goal: extending life and sustainably improving the quality of people’s lives. This is our motivation for furthering development and innovation: opening up new channels and possibilities for users of modern medical technology through safe and simple-to-use products.

Through close cooperation with doctors and clinics, we consistently develop high-quality practical solutions.

Simple, straightforward, unobtrusive, intuitive, durable, resistant ...

Doctors have a long list of requirements when it comes to their working tools. ATMOS listens to its customers. In 1927 the first medical aspirators from ATMOS entered the market. We have constantly worked to improve and develop them since then.

**ATMOS as a reliable OEM partner**

The aim of the OEM partnerships is the development and production of world-class medical devices for corporations or medium-sized companies. ATMOS produces for companies such as ERBE and DÜRR DENTAL.

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1995

Successful launch of ATMOS® LC suction family for the care sector

1927

The first so-called “suction, pressure and hot-air device” for medical purposes appears

1888

The beginning in a pharmacy in Berlin

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For a better life - intuitive and safe
2013
ATMOS® C 051
Thorax

2015
Launch of the
ATMOS® emergency
suction device

2016
Acquisition of
MEDAP by MAQUET

2009
ATMOS® E/S 201 Thorax

1997
Atmolit as a new
endoscopy suction
device

2006
ATMOS® S 041 Wound -
wound drainage with gauze

2003
ATMOS® S 031 Thorax world's
first electronically controlled,
mobile thoracic drainage
system

1993
Atmoforte 350 / Record 500 -
First microprocessor-controlled
surgical aspirator

1985
The first foreign
subsidiary, ATMOS France,
is founded

1984
ATMOS Medizintechnik
GmbH & Co. starts
as an independent
business

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First surgical suction device
from ATMOS

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The company takes the name
ATMOS and moves from Berlin
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