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 thoracic 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 surgeries with large amounts of fluids depend on suction which is as quiet and fast as possible. A perfect surgical suction device must also be robust and durable, especially under extreme conditions.
High flow-rate 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.
Surgical Suction

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 a equipment rail.
Mobile and versatile
Usable anywhere
Fast and easy disinfection

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 canister on the device without additional tubing.
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 chassis.
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 device is needed. A battery is essential for mobile use, especially in emergency situations.
Simple, intuitive operation

Easily adjustable vacuum

Maximum safety against oversuction

Revolutionary vacuum setting with large 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 flow rate for quick and safe suction.

MEDAP VENTA SP 26

ATMOS® C 161

ATMOS® E 341 Battery
Cardiothoracic Dra

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 warnings 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 canister volume and optional water seal 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 tubing system and a carrying strap.

ATMOS® S 201 Thorax

ATMOS® C 051 Thorax
Wound Drainage

Vacuum therapy uses controlled negative pressure to support and accelerate wound healing, improved blood circulation and granulation of new tissue. For chronic wounds in particular (eg 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 vacuum creation and easy switching of 300 ml and 800 ml secretion canisters.

ATMOS® S 042 NPWT

User-friendly
Self-explanatory
Reliable

Touch operation for easy setting of therapy parameters, gentle vacuum 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 flow-rate for quick evacuation of surgical smoke**

**Very quiet**

**Safe removal of particles and odors**

Normal and turbo mode, interactive LCD display and four-stage high-performance filter with three inputs incl. magnetic flaps.

**MEDAP FUMOVAC 900**

Automatic switch off, filter control and electronically controlled, brushless blower.

**AtmoSafe**
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 flow rate.
Attractive housing with swivel gauge in four different versions for surgical suction, bronchial suction, drainage and thoracic drainage suction.

Particularly effective noise reduction with high flow rate.

MR-conditional, with extremely high flow rate, large gauge and indication label.
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.
**Precise 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.
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.
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
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.