Safe, time saving and mobile!

ATMOS®
Cardiothoracic Drainage

Made in Black Forest
by ATMOS
ATMOS® Cardiothoracic Drainage

During day-to-day work in clinics, we come across a variety of medical indications that require therapy in the form of cardiothoracic drainage. ATMOS offers digital cardiothoracic drainages that guarantee safe therapy after surgical procedures in the thorax, during emergency care and intensive care, and in the cardiosurgical field.

ATMOS offers the right solution for every application!
Increased safety for patient and care

- Controlled drainage – conventional systems regulate the vacuum in the device, not on the patient’s side
- No siphon effect due to patient’s side, precise vacuum measurement and automatic hose rinsing function
- Automatic warning messages in potentially dangerous situations
- Independently controlled drainage during patient transport
- Simple, intuitive operating concept

Improved comfort for patients

- Unrestricted mobility thanks to portable systems - no dependence on a wall-mounted suction system
- Greater patient satisfaction
- Low-noise – no loud bubbling as in conventional systems
- Systems can be positioned flexibly

Efficient treatment and application

- Objective therapy data in real time
- Graphic therapy process over entire duration of therapy
- Quick, easy set-up for systems
- Reliable warning messages reduces care efforts for nurses
- No milking thanks to automatic hose rinsing function

Saves costs and time

- Shortened drainage time
- Shorter hospital visits
- Lower postoperative costs
- Reduced x-ray radiation
ATMOS® C 051 Thorax

The compact and light ATMOS® C 051 Thorax is used for patients with air leaks, pleural effusions and during surgical opening of the thorax in thoracic surgery and in pneumology. Thanks to the battery-operated device and its flexible carrying and positioning options, patients can regain unrestricted mobility sooner.
Supports earlier patient mobility

Simple, intuitive operating concept

Therapy data at first glance readable on the front display

Quicker patient recovery is supported by helping them regain mobility sooner.

Reduced care efforts for nurses thanks to intuitive, rapid operation of the system.

Rapid evaluation of the clinical situation thanks to immediate identification of therapy data on the front display.
Secretion canister 800 ml

For smaller quantities of secretion and for mobile patients, the secretion canister for the ATMOS® C 051 Thorax enables flexible use and easy evaluation of the accumulated secretion.
Clear view of nature and colour of secretion

Avoids rapid blockage of the bacterial filter

Straight hose connection to prevent blockages

Unambiguous clinical evaluation of the nature and colour of the secretion, thanks to fully transparent secretion canister.

Avoids blockages of the bacterial filter, thereby reducing the need to change secretion canisters for mobile patients, thanks to two chambers for secretion.

Avoids blockages at the connecting point between the hose and secretion canister thanks to straight, non-interchangeable hose connections to the secretion canister.
ATMOS® S 201 Thorax

The powerful ATMOS® S 201 Thorax is the ideal solution for cardiothoracic drainage patients in cardiac and thoracic surgery. Particularly for patients with large air leaks and large, viscous quantities of fluids, the ATMOS® S 201 Thorax offers an optimised cardiothoracic drainage therapy. There is a high degree of safety, thanks to the especially rapid, controlled vacuum build-up of the suction prescribed by the doctor. This is essential, above all in critical situations, such as when draining a haematoma or in the event of strong coagulation.
Universally usable for all indications

Clinical decisions made on the basis of objective therapy data

Support for documentation

Particularly for special patient indications, this allrounder is an ideal solution for efficient cardio-thoracic drainage therapy.

Secure decisions thanks to objective therapy data in real time and on a historical graph covering up to 12 days.

Easy further processing of the exported therapy data is possible in patient documentation, studies, etc.
Secretion canister 2,000 ml

For patient indications with very high amounts of secretion and the use of large rinsing quantities to clean the pleural cavity, this large secretion canister volume is an ideal solution.
Clear view of nature and colour of secretion

Brief gravity drainage, e.g. for MRI examinations

Flexible attachment possibilities for ATMOS® S 201 Thorax

Unambiguous clinical evaluation of the nature and colour of the secretion, thanks to fully transparent secretion canister.

By means of the optional water lock, brief gravity drainage is possible, e.g. for MRI examinations.

Flexible attachment options for the device thanks to extra-long, double lumen hose system.
# Overview

<table>
<thead>
<tr>
<th>Basic device</th>
<th>ATMOS® S 201 Thorax</th>
<th>ATMOS® C 051 Thorax</th>
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</thead>
<tbody>
<tr>
<td>Max. suction capacity</td>
<td>18 ± 2 l/min (Freeflow)</td>
<td>5 ± 0.5 l/min (Freeflow)</td>
</tr>
<tr>
<td>Freely adjustable vacuum setting</td>
<td>-5 to -100 mbar, in steps of -1 mbar</td>
<td>-5 to -100 mbar, in steps of -1 mbar</td>
</tr>
<tr>
<td>Gravity drainage</td>
<td>• Digital gravity drainage mode at -5 mbar • Brief gravity drainage with 2,000 ml secretion canister and filled water lock possible</td>
<td>• Digital gravity drainage mode at -5 mbar</td>
</tr>
<tr>
<td>Battery operation</td>
<td>max. 12 h</td>
<td>max. 16 h</td>
</tr>
<tr>
<td>Graphical long time display</td>
<td>60 minutes to 12 days</td>
<td>60 minutes to 12 days</td>
</tr>
<tr>
<td>Graphical short time display</td>
<td>30 seconds in real time</td>
<td>30 seconds in real time</td>
</tr>
<tr>
<td>Colour display with touchscreen</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Night mode</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Reading out the therapy data</td>
<td>PDF and Excel report via USB flash drive</td>
<td>PDF and Excel report via USB flash drive</td>
</tr>
<tr>
<td>Weight: basic device with secretion canister</td>
<td>3.0 kg 3.7 kg</td>
<td>1.1 kg 1.3 kg</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>366 x 250 x 168 mm 164 x 206 x 95 mm</td>
<td></td>
</tr>
<tr>
<td>Noise level</td>
<td>max. 31 dB(A) @ 1 m</td>
<td>max. 34 dB(A) @ 1 m</td>
</tr>
</tbody>
</table>

**Secretion canister system**

| Capacity | 2,000 ml | 800 ml |
| Divided into | 4 chambers | 2 chambers |
| Hydrophobic bacterial filter | ✓ | ✓ |
| Pop-off valve to relieve excess pressure | ✓ | ✓ |
| Optional water lock | ✓ | ✓ |

**Double lumen hose system**

| Measuring and rinsing hose: Continuous monitoring of the current vacuum and the hose rinsing function | ✓ | ✓ |
| Secretion hose | ✓ | ✓ |
| Sample taking | ✓ | ✓ |
## Indications

<table>
<thead>
<tr>
<th>Thoracic surgery and pneumology</th>
<th>General, intensive and emergency care</th>
<th>Cardiac surgery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postoperative (e.g. lobectomy, wedge resection)</td>
<td>Pneumothorax</td>
<td>Coronary surgery</td>
</tr>
<tr>
<td>Pneumothorax</td>
<td>Tension pneumothorax</td>
<td>Valvular surgery</td>
</tr>
<tr>
<td>Tension pneumothorax</td>
<td>Haematohorax</td>
<td>Combined coronary and valvular interventions</td>
</tr>
<tr>
<td>Haematohorax</td>
<td>Pleural effusion</td>
<td>Pericardial tamponade</td>
</tr>
<tr>
<td>Pleural empyema</td>
<td>Oesophagus rupture or perforation</td>
<td></td>
</tr>
<tr>
<td>Chylothorax</td>
<td>Interventions in the thoracic spine (e.g. scoliosis, spondylodesis)</td>
<td></td>
</tr>
<tr>
<td>Haemopneumothorax</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ATMOS® C 051 Thorax

ATMOS® S 201 Thorax
ATMOS®

Vacuum Extraction

Surgical Suction

Wound Drainage

Cardiothoracic Drainage

Oxygen Supply
Bronchial Suction

Smoke Evacuation

Product Range

Mobile Oxygen Supply

For more information about the entire product range “ATMOS® Medical Suction Systems” visit: www.atmos-medap.com
For more information about the entire product range “ATMOS® Cardiothoracic Drainage” visit:
www.atmos-medap.com
www.atmos-thorax.com