

MEDAP 


MedizinTechnik

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.



Mobility

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



Easy operation

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



Therapy data

C 051 Thorax 

Secretion canister 800 ml 

S 201 Thorax 

Secretion canister 2,000 ml 

Overview / Indications 



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.

Clear view



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

Two secretion chambers



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

Hose connection



C 051 Thorax



Secretion canister
800 ml



S 201 Thorax



Secretion canister
2,000 ml



Overview / Indications



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.



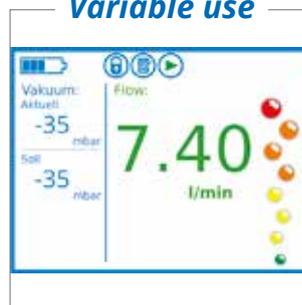
Universally usable for all indications

Clinical decisions made on the basis of objective therapy data

Support for documentation

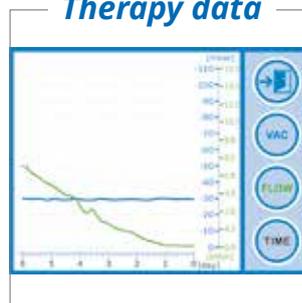
Particularly for special patient indications, this allrounder is an ideal solution for efficient cardiothoracic drainage therapy.

Variable use



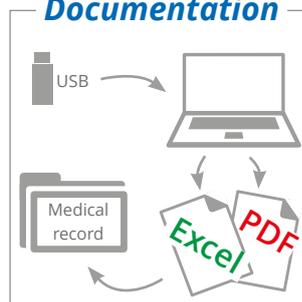
Secure decisions thanks to objective therapy data in real time and on a historical graph covering up to 12 days.

Therapy data



Easy further processing of the exported therapy data is possible in patient documentation, studies, etc.

Documentation



C 051 Thorax



Secretion canister
800 ml



S 201 Thorax



Secretion canister
2,000 ml



Overview / Indications



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.

Clear view



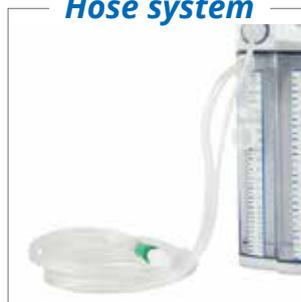
By means of the optional water lock, brief gravity drainage is possible, e.g. for MRI examinations.

Gravity drainage



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

Hose system



C 051 Thorax



Secretion canister
800 ml



S 201 Thorax



Secretion canister
2,000 ml



Overview / Indications



Overview

Basic device	ATMOS S 201 Thorax	ATMOS C 051 Thorax
Max. suction capacity	18 ± 2 l/min (Freeflow)	5 ± 0.5 l/min (Freeflow)
Freely adjustable vacuum setting	-5 to -100 mbar, in steps of -1 mbar	-5 to -100 mbar, in steps of -1 mbar
Gravity drainage	<ul style="list-style-type: none"> Digital gravity drainage mode at -5 mbar Brief gravity drainage with 2,000 ml secretion canister and filled water lock possible 	<ul style="list-style-type: none"> Digital gravity drainage mode at -5 mbar
Battery operation	max. 12 h	max. 16 h
Graphical long time display	60 minutes to 12 days	60 minutes to 12 days
Graphical short time display	30 seconds in real time	30 seconds in real time
Colour display with touch-screen	✓	✓
Night mode	✓	✓
Reading out the therapy data	PDF and Excel report via USB flash drive	PDF and Excel report via USB flash drive
Weight: basic device with secretion canister	3.0 kg 3.7 kg	1.1 kg 1.3 kg
Dimensions (H x W x D)	366 x 250 x 168 mm	164 x 206 x 95 mm
Noise level	max. 31 dB(A) @ 1 m	max. 34 dB(A) @ 1 m
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

Thoracic surgery and pneumology	General, intensive and emergency care	Cardiac surgery
 <p>ATMOS C 051 Thorax</p>		
	 <p>ATMOS S 201 Thorax</p>	
<ul style="list-style-type: none"> ▪ Postoperative (e.g. lobectomy, wedge resection) ▪ Pneumothorax ▪ Tension pneumothorax ▪ Haematothorax ▪ Pleural effusion ▪ Pleural empyema ▪ Chylothorax ▪ Haemopneumothorax 	<ul style="list-style-type: none"> ▪ Pneumothorax ▪ Tension pneumothorax ▪ Haematothorax ▪ Pleural effusion ▪ Oesophagus rupture or perforation ▪ Interventions in the thoracic spine (e.g scoliosis, spondylodesis) 	<ul style="list-style-type: none"> ▪ Coronary surgery ▪ Valvular surgery ▪ Combined coronary and valvular interventions ▪ Pericardial tamponade



Vacuum Extraction



Surgical Suction



Wound Drainage

ATMOS



Cardiothoracic Drainage



Oxygen Supply



Bronchial Suction



Smoke Evacuation



Mobile Oxygen Supply

Product Range



Suction with CGS

***For more information
about the entire
product range
"ATMOS Medical
Suction Systems"
visit:
www.atmos-medap.com***



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