

Thopaz+™



INTELLIGENT THERAPY.
OPTIMIZED CARE



Cardiothoracic drainage system

Thopaz⁺

Improved clinical outcomes through digital measurement of air, fluid and pressure.

The next generation digital chest drainage system Thopaz⁺ allows healthcare professionals to make accurate decisions that help improve outcomes by reducing patient length of stay and controlling hospital costs^{1,2}. Thopaz⁺ is designed to precisely monitor post-operative air leaks and intrapleural pressure while directly measuring fluid drainage.



¹ Multicenter international Randomized Comparison of Objective and Subjective Outcomes Between Electronic and Traditional Chest Drainage Systems; Pompili C., Detterbeck F., Papagiannopoulos K., Sihoe A., Vachlas K., Maxfield M., Lim H., Brunelli A.; The Annals of Thoracic Surgery; accepted for publication 2014

² Impact of the learning curve in the use of a novel electronic chest drainage system after pulmonary lobectomy: a case-matched analysis on the duration of chest tube usage. Pompili C., Brunelli A., Salati M., Refai M., Sabbatini A., Interact Cardiovasc Thorac Surg. 2011 Nov; 13(5):490-3

Objective data and precision on key indicators to improve clinical outcomes

The continuous monitoring of air leaks, pressure and fluid levels permits the efficient and intelligent management of chest drains. These parameters are available in real time and show the last 72-hour trends on the Thopaz+ display screen. The therapeutic progress can be downloaded for assessment and for inclusion in a patient's medical record. Collectively, this data provides the objective clinical criteria needed for optimal chest tube management and removal decisions.



Objective data and precision

Ease of use for nurses and hospital staff

Thopaz+ simplifies the daily management of chest drainage while providing enhanced operating features. The push button operation, color display screen and instructions provide intuitive operation and handling. In addition, the compact design supports contamination free handling, a simple cleaning process and convenient storage.



Hygienic and compact

Improved patient comfort

The lightweight, compact design and rechargeable battery promotes early patient ambulation and mobility. The quiet operation as well as the automatic dimming display increases patient satisfaction while notifications provide additional patient safety and confidence.



Early patient ambulation and mobility

Reduced impact on the environment and the costs of hazardous waste disposal

The ability to choose canister sizes based on expected drainage amounts significantly reduces hazardous waste, as well as storage requirements.

Optimising patient care through pioneering
and intelligent, mobile, digital chest drainage therapy.

Disposables

Thopaz+ tubings

The system's dual lumen tubing provides continuous monitoring of pressure and evacuation of fluids and air. Two types of connectors are available (single or double) in small, medium or large sizes to accommodate preferred chest tubes. All Thopaz+ tubing connectors contain a sample port for convenient sampling of drainage fluid.



Thopaz+ canisters

Disposable canisters are available in three sizes to optimize drainage and reduce the amount of waste. Options include: 300 ml, 800 ml and 2 liter capacities. All three sizes are available with or without solidifier providing a hygienic and cost effective option for disposal of patient fluid.



Accessories

Docking station

Thopaz+ comes with a docking station that can be placed on a level surface or attached to a standard rail. Medela recommends to use the docking station in combination with Thopaz+ to receive the most accurate fluid measurement.









Rail Holder

A universal rail holder is available that is used to attach Thopaz+ to an IV pole or bed rail. This helps facilitate patient transport and mobility as well as providing extra security for the device while in use.



Technical data

 vacuum	Low vacuum - 10 kPa - 75 mmHg - 100 mbar/cmH ₂ O	 1 kg 2,2 lbs	Without canister
 flow	low flow 5 l/min.	 CLASS	 IP33  0123







The unique press & shake technology provides a hygienic and cost effective disposal of canisters.

Medical Vacuum Technology for Healthcare Professionals

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