

A photograph of a surgical team in an operating room. Several surgeons, wearing blue surgical caps and face masks, are focused on a procedure. The lighting is dramatic, with strong highlights and shadows. The Serres logo is in the top right corner.

Serres

60,000 procedures worldwide
rely on Serres solutions every day

To **lower** costs, **ease** workflows, **improve** patient flow, and **increase** work safety

A Closed Fluid Management System for the 2/3 of Procedures that are Low/Medium Volume

Serres



SERRES SUCTION BAG SYSTEM

Rely on the best in fluid collection
Safety and reliability made easy

Integrated System



SERRES NEMO

Creating value disposal-by-disposal
Cleaning up fluid disposal

The Serres Integrated Solution

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Improve Patient & Staff Safety

- Closed system significantly minimizes risk of contamination
- Decreased risk of infection for patients and staff

Lower Costs

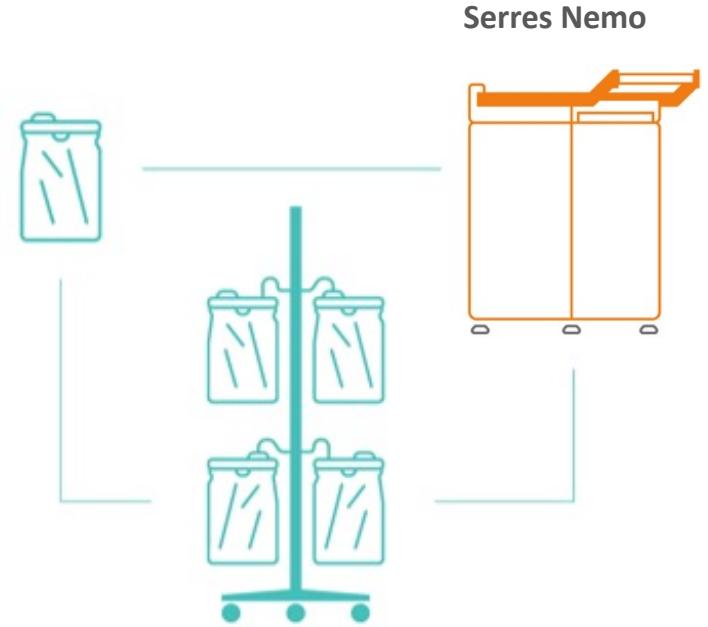
- Cost savings up to 97% in fluid waste disposal costs
- Eliminates need to dispose filled canisters as RMW
- Sustainable product design uses less plastic

Streamline Workflows

- No need to dismantle the entire system after surgery
- Promotes faster OR turnover times
- Serres Nemo has automated 20 second emptying cycle

Reduce Waste

- Sustainable product design uses less plastic
- Disposing suction bags instead of canisters creates less waste



Serres Suction Bag System

Serres Suction Bag Range

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- Suction bags available in 1000 cc, 2000 ml and 3000 cc sizes.
- Ready-to-use Bag & Tube packages. Simplifies nursing work while reducing the number of product codes for better stock control.
- Suction bags with backflow valve enable more hygiene operation as the valve prevents liquid spillage from the patient port before it is plugged.
- Serres Pre-gelled bags ensure easy and safe handling of liquids. Minimizing risk of accidental spillage of liquid or contact with potentially infectious waste – a feature that is highly appreciated by nursing and cleaning staff.

All bags can be used individually or in a serial connection and accommodate all accessories for special clinical needs. Regardless of suction procedural needs.

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Serres Provides a Much-Needed Update

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Current



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Decreased risks of infection for the patients & the OR staff

Closed system prevents leakages and spillages from occurring, even in situations where the bags would be accidentally dropped on the floor.

Backflow valve enable more hygiene operation as the valve prevents liquid spillage from the patient port before it is plugged.

Pre-gelled suction bags ensure an easy and safe handling and transportation of solidified fluid waste.

Hydrophobic filters serve as a combined bacterial filter and overflow protection, protects the central vacuum system from contamination.



Proven Durability

- Making sure that our suction bags deliver the best results is one of our top priorities. The Serres suction bags are made of thin yet strong polyethylene that stretches and doesn't burst.
- The Serres Suction Bags offer reliable quality that we have honed over 45 years in our factories in Kauhajoki and Saarijärvi, Finland. We follow diligent quality control.

One in a million failure rate!!!!

Minimize Risk For Errors

1. Some complications that patients experience are due to mistakes during the procedures. To help you ensure patient safety in the OR, we've incorporated a **patented single connection system** that makes mistakes virtually impossible.



2. The **error-free connection** is easy to learn and use, all while minimizing the risk of error or accident related to surgical suction. Just connect the patient tubing and the bag is ready for use.



User Friendliness

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- The **serial connection** allows you to expand the suction capacity up to 36 liters, the largest volume in the market.
- The **solidifier**, packed in soluble pouches, is pre-inserted in the bag so you can begin the operation immediately.
- The **vacuum source** is connected to the angle connector of the canister. Once installed, there is no need to touch the vacuum tube or the connector between operations.



Cost Savings

- Serres suction bags contain **58% less plastics** the competition
- Save **up to 88% of the space** you have in your storage rooms
- Reduce **transport costs** related to disposable medical equipment.



No DEHP and a lower carbon footprint

The Serres suction bags system is **DEHP-free**, (Di (2-ethylhexyl) **phthalate**) which allows you to protect your patients from any health risks related to exposure.

What's more, Serres helps hospitals decrease their **environmental impact** through smart design, manufacturing, transportation, storage and disposal.

Less plastic means lighter products creating space and cost savings in transportation, storage and disposal.

Serres is an **ISO 14 001** certified manufacturer.

Serres Lowering Healthcare's Carbon Footprint from Transportation

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2 containers x 682 kg of CO₂ = 1,364 of CO₂

Disposable rigid canisters

12 containers x 1,373 kg of CO₂ = 16,476 kg of CO₂



120 000
pcs of rigid canisters

16 476
kg CO₂



120 000
pcs of Serres suction bags

1364
kg CO₂

Shipping 120,000pcs of Serres Suction Bags from Helsinki to NYC produces 12 times less CO₂ emissions compared to transporting same amount of disposable rigid canisters from China to NYC.

Save on Storage Space

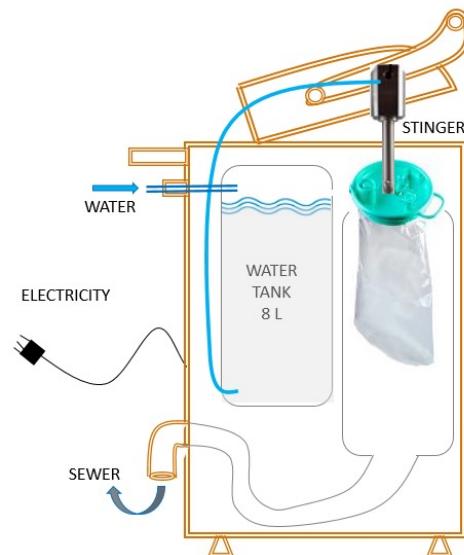
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One case of 24 suction bags saves 80%
storage of 24 canisters

Serres Nemo: The New Way to Dispose Fluid Waste

Serres Nemo is designed for on-site disposal.



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How does it work?

1. Open the lid
2. Insert the full Serres suction bag into the Nemo
3. Close the lid
4. Press play button
5. Emptying and flushing cycle takes only **18 seconds**.
6. Open the lid
7. Remove the empty suction bag
8. Dispose the empty suction bag in accordance with the hospital specific instructions

Case Study:



Serres Integrated Solution creates value disposal-by-disposal at Southcoast Health in Massachusetts.

Southcoast Health now use Serres Nemo in

- Charlton Memorial Hospital
- St. Luke's Hospital
- Tobey Hospital

“ We love it.

“ Now working is faster, easier, and more hygienic.

“ The cost savings are substantial!

“ No canisters to store and clean.

“ No bulky chemicals to store and dispose.

Additional Client Examples

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MASSACHUSETTS
GENERAL HOSPITAL



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97% lower waste disposal cost

2/3 of procedures are not using a closed system for surgical waste

10 minutes: time to convert an OR

1 more way to improve room turnover time

12-50X reduction in carbon emissions