



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

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## 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

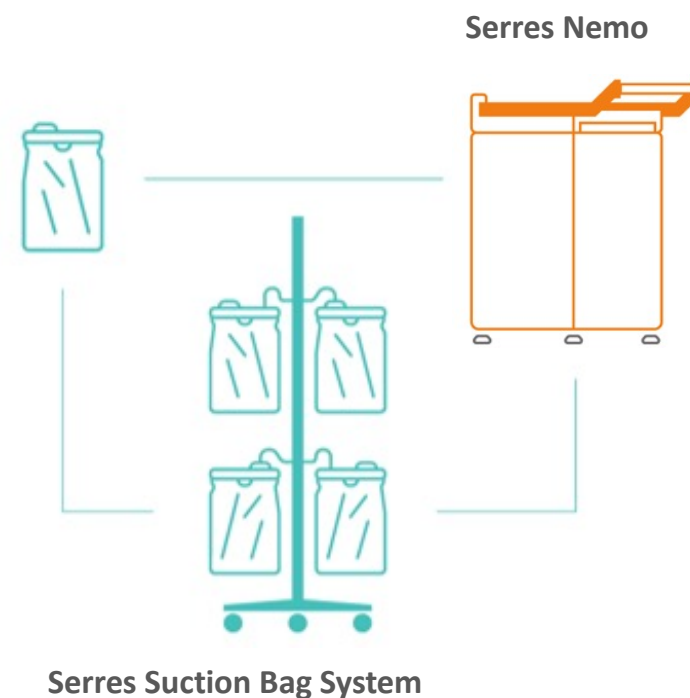
- Cost savings up to 97% in fluid waste disposal costs
- Eliminates need to dispose filled canisters as RMW
- Sustainable product design uses less plastic

## 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 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.



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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

- 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

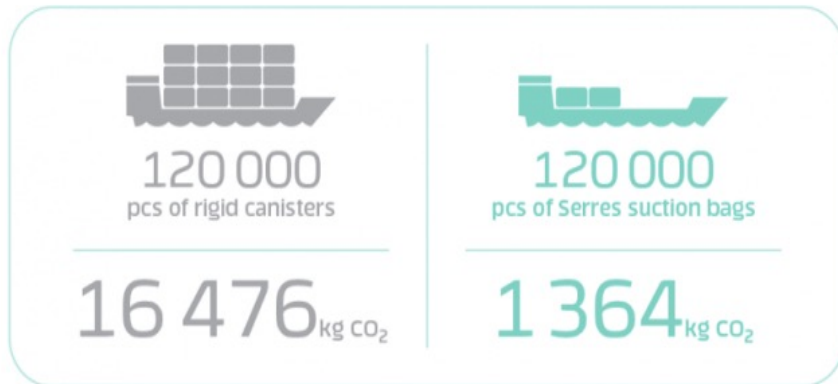


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2 containers x 682 kg of CO<sub>2</sub> = 1,364 kg of CO<sub>2</sub>

## Disposable rigid canisters

12 containers x 1,373 kg of CO<sub>2</sub> = 16,476 kg of CO<sub>2</sub>



Shipping 120,000pcs of Serres Suction Bags from Helsinki to NYC produces 12 times less CO<sub>2</sub> emissions compared to transporting same amount of disposable rigid canisters from China to NYC.



# Save on Storage Space

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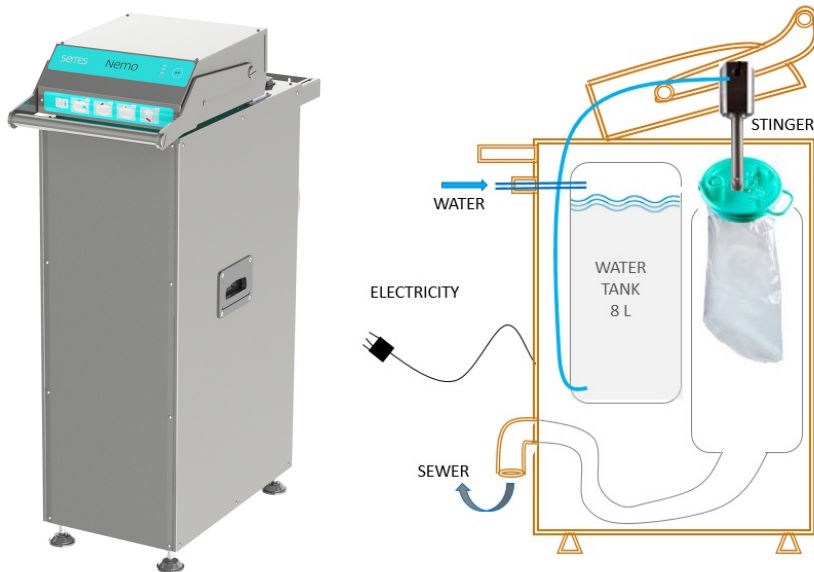
One case of 24 suction bags saves 80% storage of 24 canisters

# 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:



Southcoast<sup>®</sup> Health

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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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**Baystate  
Health**



**MASSACHUSETTS  
GENERAL HOSPITAL**



**Gramercy**  
Surgery Center

**New England**  **Surgery Center, LLC**

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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