

# serres



## Solutions made smart for the environment

To make healthcare more sustainable, we design smart solutions that reduce the environmental impact of fluid management around suction. We look at the impact across the healthcare lifecycle to make Serres the sustainable choice for you.

Health facilities around the world focus on making their processes more sustainable. Decreasing environmental impact means healthcare professionals can feel better about the choices they make while contributing to more sustainable healthcare.

Environmental impact is a sum of many parts. That's why we at Serres look at the consequences of each choice along the healthcare lifecycle. Our solutions are made smart for the environment.

The concrete benefits across the lifecycle allow the people who rely on our solutions day in, day out to focus where it matters.

# Less emissions with practical solutions

## Less plastic, less weight

Our reliable and durable suction bags use much less plastic than comparable products. Reducing the amount of plastics in manufacturing makes suction bags much lighter. This creates efficiencies in logistics and saves CO<sub>2</sub> emissions from being released into the environment.

## Up to four times more bags in a box

The foldability of Serres Suction Bags fits more bags into less space, leading to more efficient transport and space-savings in storage.

## PVC-free suction bags and canisters

Incinerating PVC increases levels of toxic dioxin. Serres Suction Bags are made of polyethylene (PE) and polypropylene (PP). Our canisters use polycarbonate (PC).

# Smart across the healthcare lifecycle



### Design

Minimizing the environmental impact starts from design.



### Manufacturing

With production in our own hands we control the impact of the process.



### Transport

Product design and packaging that is ideal for smart transport.



### Storage

Smart space-saving packaging creates efficiencies in hospitals.



### Use

Solutions designed to be more environmental in use with a positive influence also on safety and wellbeing at work.



### Disposal

Minimizing waste and the Serres Nemo waste disposal equipment significantly decrease the carbon footprint of fluid waste disposal.

## Case:

# Lowering emissions from transport with Serres Suction Bags

Choice of suction system influences the environmental impact of your actions. Serres Suction Bags use less plastic than comparable products, making them lighter and easily foldable for efficient packaging and convenient transportation. Compared to disposable rigid canisters, six times more Serres Suction Bags of equal volume fit into a shipping container. While many other similar products are produced in China, Serres has its manufacturing in Finland. Shipping Serres Suction Bags from Helsinki to New York results in 12 times less CO<sub>2</sub> emissions than shipping the same number of rigid canisters from Shanghai to New York.

## Supplier A

Box 40 pcs  
Pallet 480 pcs  
Container 10 080 pcs

**1 373**  
kg CO<sub>2</sub> / container

7 tons



**Shanghai**  
19 611km

## serres

Box 144 pcs  
Pallet 2 880 pcs  
Container 60 480 pcs

**682**  
kg CO<sub>2</sub> / container

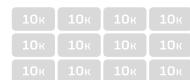
8,7 tons



**Helsinki**  
7 838km

## New York

**120 000**  
pcs of rigid canisters



**1 373** x 12  
kg CO<sub>2</sub> containers

**16 476**  
kg CO<sub>2</sub>

**120 000**  
pcs of Serres suction bags



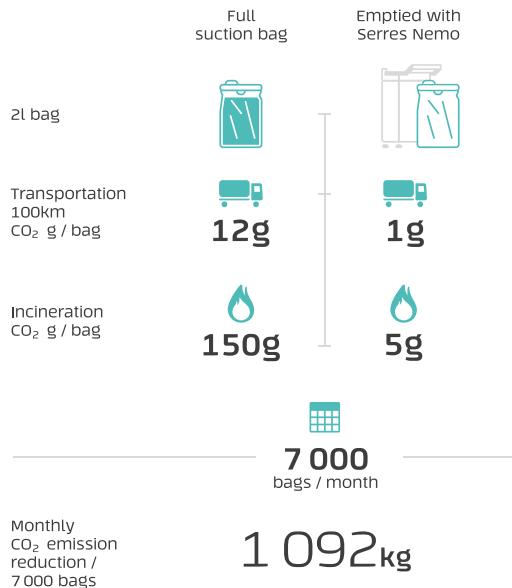
**682** x 2  
kg CO<sub>2</sub> containers

**1 364**  
kg CO<sub>2</sub>

## Case:

# Reducing fluid waste disposal emissions with Serres Nemo

Serres Nemo fluid disposal equipment decreases CO<sub>2</sub> emissions by 1,092kg monthly compared to incinerating full suction bags. Energy savings are the biggest difference, because during incineration a lot of energy is needed to vaporize the fluid waste. If the fluid waste is emptied with Serres Nemo already at the hospital, only the empty Serres Suction Bag goes into disposal. This reduces waste and decreases carbon footprint of transportation and incineration.



# How we create concrete benefits across the lifecycle

## Smart with resources

- We use less plastic for high quality, durable and reliable suction bags
- Serres Nemo reduces waste and limits CO<sub>2</sub> emissions from transport and disposal
- Our plastics expertise and own manufacturing allow us to optimize for the lifecycle
- No PVC in our suction bags and canisters

## Designed for the healthcare lifecycle

- Foldable bags save space in transport and storage
- Smart packaging for smaller carbon footprint in shipping
- Serres Nemo is a smart solution for fluid waste disposal

## Quality without compromise

- Our products are used when failure is not an option
- Environmental impact is one of the criteria for quality
- Impact of quality from design phase to the end of the product lifecycle.

