




Vernacare

The Future of
Hospital Macerators
COMPACT+

The Future of Healthcare Disposal

Vernacare is at the forefront of innovation, and with our Compact+ macerator, we are reshaping the future for healthcare professionals. Our touchless technology with NUI (Natural User Interface) decreases the risk of healthcare-acquired infections (HCAIs) by minimising potentially harmful touchpoints. This reduces the risk of costly infection outbreaks, protects essential keyworkers, and allows facilities to accomplish healthcare goals.

Compact+ Features & Benefits

- ✔ **Latest technology** - including a deodorizer pump, capacitive sensors to measure the deodorizer and water tank levels
- ✔ **Multi-cycle to suit all healthcare facilities** - Eco (12L of water) Standard (18.5L of water) Heavy (24L of water)
- ✔ **Integrated overflow** - no overflow assembly needed providing easy installation
- ✔ **Inflatable lid seal** - prevents aerosolization of potentially harmful pathogens
- ✔ **Smart sensors** - for accurate and precise diagnostics ensuring optimal performance
- ✔ **Display** - provides status of cycle during operation and time remaining to users
- ✔ **User-friendly lid** - wide opening and deep drum allowing for easy and safe disposal
- ✔ **Multi language options** - available for international markets
- ✔ **Water efficient** - processes four pulp items, saving on a valuable resource
- ✔ **Quiet operation** - the quietest full-size macerator on the market at 62.6dBA

Touchless Technology - How Does it Work?

Our Compact+ with touchless technology has been engineered to eradicate cross-contamination within a sluice room or dirty utility room.

We have used our expertise to engineer the Compact+ macerator to have NUI ultrasonic lightbeam sensor technology . This allows the nurse to place the used medical pulp, such as bedpans, urinals and wash-bowls straight into the macerator.

Our touchless technology takes care of everything else, opening the lid by foot and the automatic lid closure with touchless technology reduces the risk of infection as nothing is touched.



Keeping Your Teams Safe

The Compact+ is packed with innovative features to keep the healthcare professional safe.



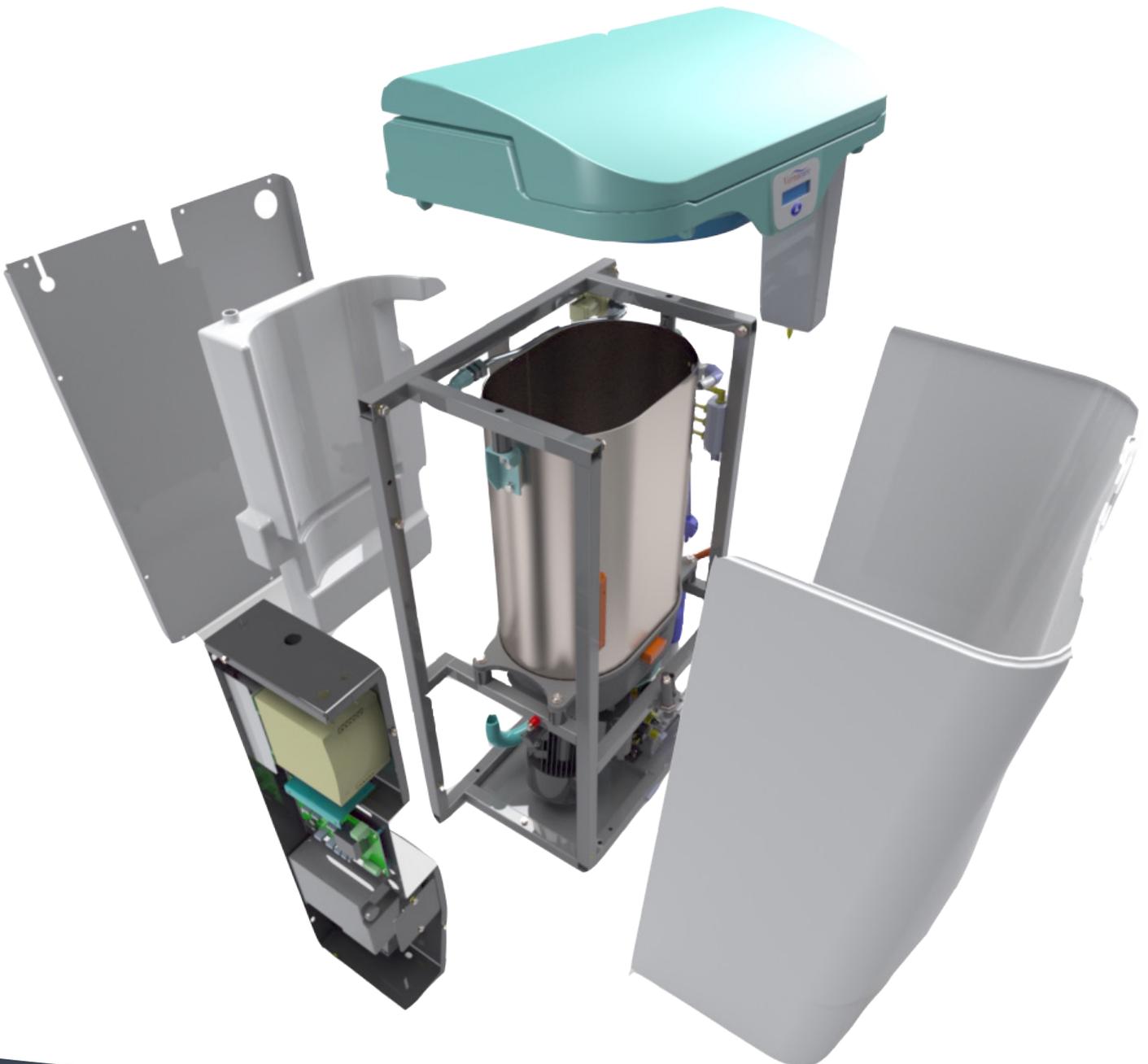
The touchless technology means the Compact+ is never touched, protecting healthcare professionals from the risk of cross-contamination. The sleek aesthetic design coupled with large smooth surfaces and minimal grooves means that cleaning the machine by hand is quick and easy.



Innovative inflatable lid seal prevents aerolisation. The lid's automatic closure being deeper and wider allows items to be placed inside with ease and the natural user interface means that it can be used intuitively with little training.



The Compact+ space-saving design and oval-shaped drum in the macerator ensures that your sluice room space is optimised, providing an efficient flow between the clean and dirty areas of the utility room.



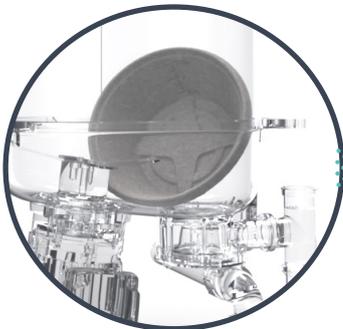


SMARTFLOW

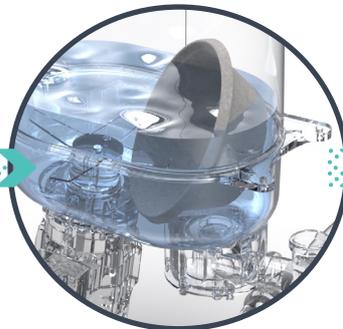
TECHNOLOGY

Vernacare invented SmartFlow™ technology to protect the environment and the healthcare facility.

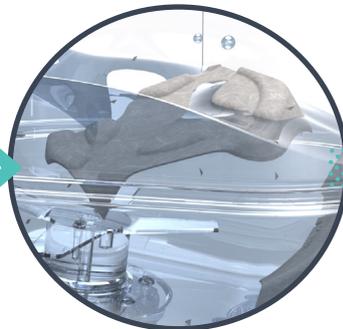
Our unique 'closed drum system ensures that all waste placed into our machines is fully broken down before being released into the wastewater system.



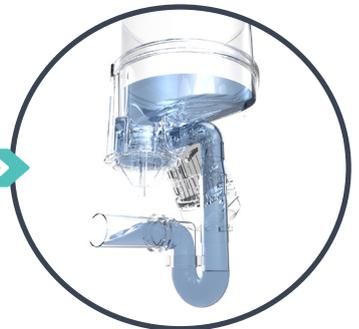
Step 1
Contents Added



Step 2
Cycle Initiation



Step 3
Ultra-Fine Maceration



Step 4
Rapid Discharge

Upon discharge, When crushed and disintegrated by the macerator, the **Vernacare pulp** decomposes into particles, **95%** of which are less than **1mm** and are easily transported by the sewage pipes to the wastewater treatment plants (which is the same consistency as toilet paper) .Studies have proven our discharge flow rate is **4x faster** than any of our competitors.



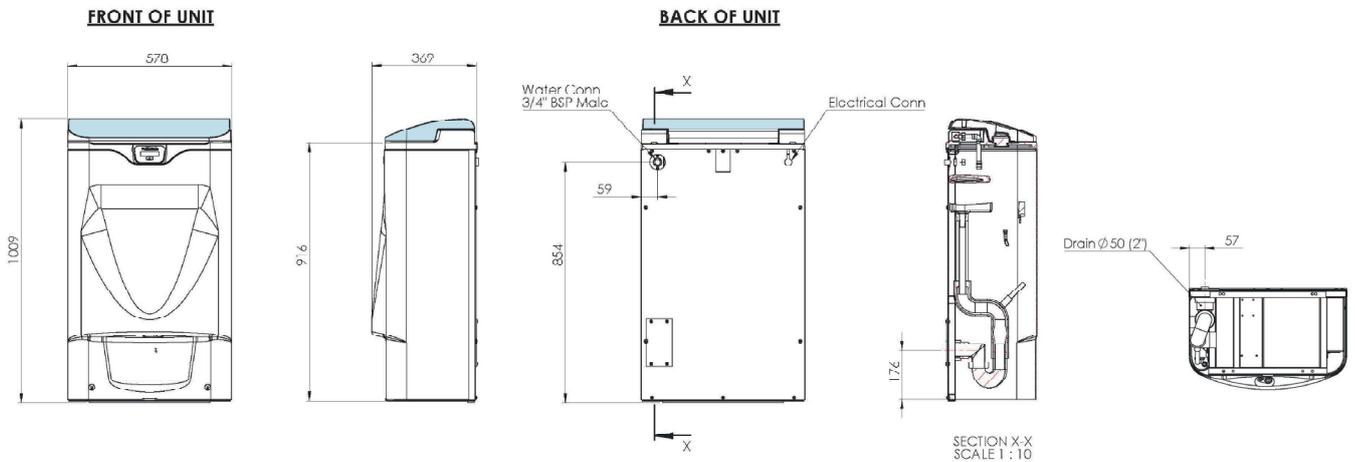
Vernacare's SmartFlow™ Technology and pulp has been independently verified by EDANA.



Technical Specifications

The Compact+ is an advanced macerator with touchless technology. Our Compact+ Touchless technology macerator will help maintain best practice infection control to keep the risk of outbreaks to a minimum.

Globally we have a team of certified approved engineers who can install your machine. Further information about our advanced technology can be seen below.



Operational Information

With a capacity of 4 Vernacare pulp items the unit weighs 70kg dry and 85kg with a full water tank. Soundproofing measures incorporated into the design allow use during the night.

Installation

A power isolating device according to IEC60947 must be fitted to finalise the installation.

Drain Connection

The unit requires connecting to a suitable 50mm drain. The drain is connected by inserting a 50mm pipe into the blue flexible outlet and fitting and tightening the clip provided.

Please note there is a P trap integrated into the machine so an external one is not required.

If necessary, use long radius or 'swept' bends, never short or 90° elbows.

Waste pipe must be run separately to soil tack or main waste outlet.

Ensure that the fall is 1:25 minimum or sufficient to maintain

a self-cleansing velocity. Provide easy access for rodding. Ensure a clean run inside pipework - no burrs or reducing shoulders.

With plastic pipework ensure no reduction in bore size, adequate support for horizontal runs to prevent sagging and remember, ceiling voids can get very warm.

Avoid running drain line near or across hot water pipes.

Although the Compact does have an 'AB' air gap, back flow prevention to be in line with general practice.

Plumbing

Connect the water supply via a 15mm flexible pipe feed (supplied) to the machine water tank at the rear of the machine on the top right corner. The connection requires a 3/4" BSP female connector.

Flow rate should be 8 litres per minute minimum into the water tank.

Ensure the supply line to the unit is at no point less than 15mm - larger if the available head is very low.

Ensure other fittings do not starve the supply. Fit an easily accessible

isolating valve close to the unit.

Electrical Supply

Single phase electrical system (nominal 230v, 1 Ph, 50 HZ or 110v / 1 Ph, 60HZ). The machine is fitted with a 3 metre length of 1.5mm flex to BS6500 which shall be connected to: 230 Volt Machine - 1- Amp MCB to BS EN60898 Type C or fused to 10 Amp to IEC 60269-4 with appropriate isolator.

N.B. The single phase machine can be connected to a three phase and neutral electrical installation by using a single phase and neutral wire from the three phase distribution board.

| Capacity | Cycle Time | Opening | Closing | Cycle Initiation | Unit Weight | Unit Size | Noise Level Average | Water Consumption | Required Flow Rate |
|----------|------------|-----------|-----------|---------------------|-------------|-----------------|---------------------|-------------------|--------------------|
| 4 items | 3 minutes | Touchless | Touchless | Automatic or manual | 70kg | 1009Hx579Wx369D | 62.6dBA | 18.5 Litres | 8 litres/min |



Vernacare

Preventing infection. Protecting all.

Through innovation and manufacturing excellence, we have revolutionised the experience of patients and healthcare professionals for more than 50 years, making sure that infection is prevented and people are protected.

As pioneers for safe and sustainable care Vernacare and its international network of partners provide market-leading solutions that not only create a safer future for healthcare facilities but also create a greener, more sustainable planet. Throughout the Covid-19 pandemic, we have continued to support facilities around the world by decreasing the transmission of the virus with our single-use disposable products, as well as low dead space needles to assist in the vaccination programme.

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