

FLUID  GUARD

VacSax[®]



Product Catalogue

ABOUT VACSAX

Founded in 1997, VacSax, now part of Vital Healthcare, is the UK's leading supplier and manufacturer of disposable suction systems.

Based in Plymouth and employing over 50 people, VacSax has the largest and most comprehensive product range available in the disposable suction market. The business has an innovative and expanding product base and a strong track record of growth. From product design through to dispatch, VacSax is unrivalled in its dedication to excellence.

Our customer service team is always on hand to provide rapid and accurate information and to answer any question a customer may have.



Safe, Smart, Sustainable

SAFE

Engineered with several safety features to ensure optimal protection & minimise risk.

SMART

The only system when in use all external surfaces of the liner, canister & vacuum tubing have antimicrobial properties.

SUSTAINABLE

Designed with minimal plastic to lower waste and reduce CO₂ emissions.

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OUR PORTFOLIO

Through our VacSax portfolio, Vital Healthcare has the most comprehensive range of disposable suction liners and canisters in the market.

Our FluidGuard Disposable Suction Liner System with Bacticlear® antimicrobial technology is the only system where all external surfaces are completely antimicrobial, designed to minimise the risk of cross infection. The system is leading from a safety, performance and handling perspective.

Our expanding range of theatre supplies consists of essential items used in the hospitals day to day practice. Our products offer improved patient safety and ease of use.



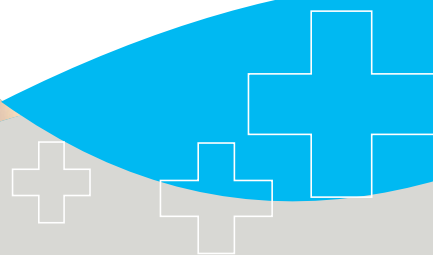
Our portfolio includes:

- Disposable Suction Liners & Canisters
- Anti-slip Floor Mats
- Pre-operative Gloves
- Sterile Surgical Skin Markers
- Smoke Evacuation Solutions
- Swab Counting Bags
- Vomit Bags
- Safety Socks

SAFE

VacSax is dedicated to patient safety, caregiver protection and maintaining a clean clinical environment. By incorporating cutting-edge technology, VacSax has attained exceptional quality in our fluid management systems, right down to their individual components.

This dedication to excellence empowers us to provide exceedingly competitive products that adhere to the most stringent industry benchmarks.



Safety Features

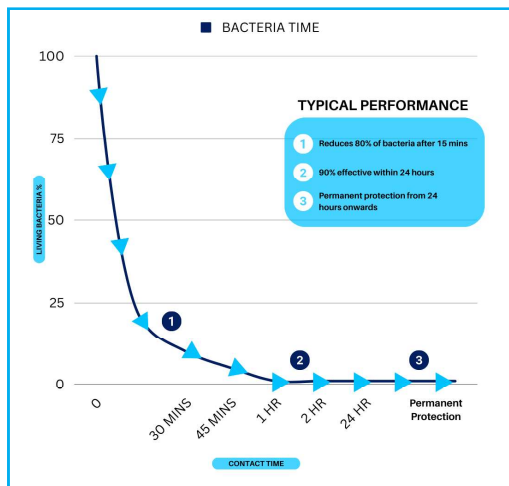
1. **Secure Closure System:** Prevents leakage or spillage during waste collection.
2. **Leak-Proof Design:** Conical coupling design eliminates the risk of drips or leaks.
3. **Clear Visibility:** Transparent material allows for clear visibility when monitoring waste level.
4. **Regulatory Compliance:** Meets safety standards for healthcare waste management.

These safety features prioritise patient and healthcare professional well-being, providing a reliable and secure solution for waste disposal in healthcare facilities.



SMART

The only system where all external surfaces of the liner, canister and vacuum tubing have antimicrobial properties proven to reduce the growth of harmful bacteria such as MRSA and E.coli by 99.99% with permanent protection after 24 hours.



The FluidGuard® Antimicrobial Suction Liner System incorporates advanced antimicrobial technology, protecting all external surfaces.

The **FluidGuard®** liner system provides immediate and permanent bacteriological protection against a range of common organisms such as MRSA, E.coli, Salmonella, Listeria, Pseudomonas and Campylobacter, minimising the risk of cross infection to the user and patient.

Extensive independent testing has shown that while bacteria such as Escherichia coli and Methicillin Resistant Staphylococcus Aureus can survive and grow on standard liner systems, the **FluidGuard®** Suction Liner system is an effective antimicrobial device.

How does BactiClear® work?

THE ACTIVE INGREDIENT IN BACTICLEAR® ANTIMICROBIAL TECHNOLOGY IS SILVER.

Silver has been used in its pure form for many centuries to prevent the growth of bacteria.

The FluidGuard® Antimicrobial Suction Liner System has been developed safely and effectively incorporating silver into the materials during manufacture.

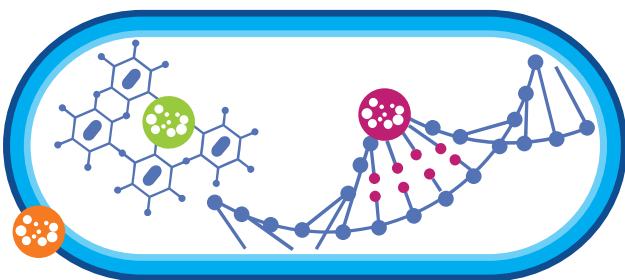
As an active ingredient, silver is durable, long lasting and highly active. The silver ions are dispersed evenly through the entire exposed surfaces of the **FluidGuard®** Liner and Canister.

This provides protection for the entire lifetime of the product which cannot be removed. Silver is inorganic and non-leaching, which means unlike organic antimicrobial technologies, it stays within the **FluidGuard®** Liner System for its lifetime.

Benefits

THIS 3 STAGE MODE OF ACTION DOES NOT ALLOW BACTERIA CELLS TO DEVELOP RESISTANCE.

This provides immediate and permanent bacteriological protection against a range of common organisms such as MRSA, E.coli, Salmonella, Listeria, Pseudomonas and Campylobacter, protecting patients and healthcare professionals.



-  **Silver ions bind to the cell surface:**
This disrupts the cell wall and prevents cell growth.
-  **The silver ions are attracted to the Thiol Groups in the cell:**
This prevents the bacterium producing energy.
-  **Silver ions interrupt the cell DNA:**
This prevents DNA replication and new cell formation.

SUSTAINABLE

At VacSax, sustainability is embedded in both our products and our manufacturing processes. By investing in advanced production technology, we are reducing our environmental impact while maintaining the highest standards of safety and performance.

At our manufacturing site, the introduction of an all-electric blow moulding machine has increased output capacity by around 70%. This upgrade also improves energy efficiency, consuming less power than traditional hydraulic machines.



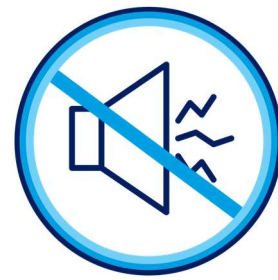
Further benefits include:



No hydraulic oil usage, eliminating the need for hazardous waste disposal.



Increased precision, helping to reduce process waste.



Lower operating noise, improving workplace conditions.

We also prioritise material circularity in our manufacturing, with off-cuts and approximately 20% of production scrap reprocessed on-site. Any non-reprocessable plastic is sent to approved recycling partners.

To further cut our carbon footprint, plans are in place to install a solar PV system capable of supplying a significant portion of the site's electricity needs.

By combining innovative technology with responsible practices, we are committed to sustainable growth that benefits our customers, our people and the environment.

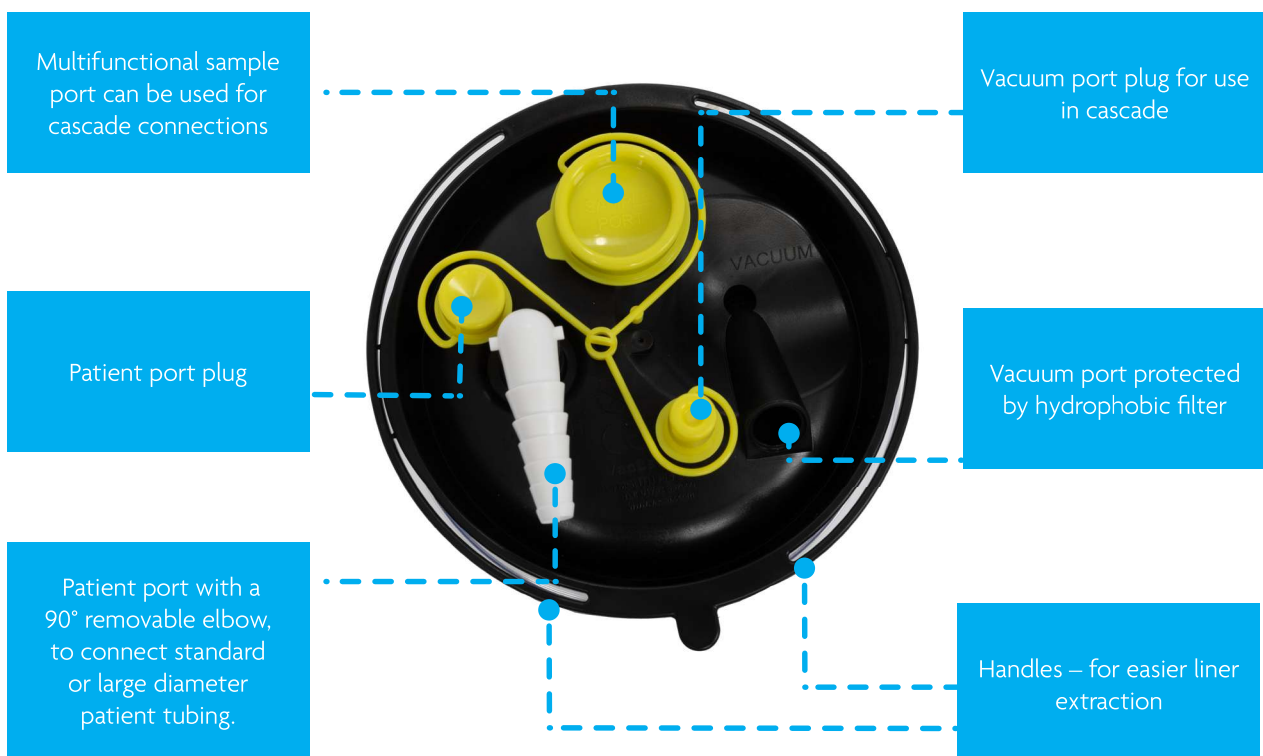


PRODUCT FEATURES

The FluidGuard range includes 1 litre, 2 litre & 3 litre liners suitable for all clinical areas. For use as a completely closed system with both standard and pre-gelled suction liner options.

Made from high density PE, the FluidGuard suction liner consists of a rigid lid welded on to a flexible bag and boasts a versatile design featuring three ports:

- **PATIENT PORT** with a 90° elbow allows normal and large patient tubing diameter.
- **SAMPLE PORT** for the addition of solidifying powder, for use with a sample sock, or for use in 'cascade' applications.
- **VACUUM PORT** protected by a hydrophobic overflow safety valve and viral filter stops any fluid from entering the vacuum system.



PRODUCT BENEFITS

The FluidGuard liner system is a single patient port system. This ensures safety when connecting to the patient catheter and reduces the risk of leakage when full.

The FluidGuard liner system incorporates enhanced strength and safety features to prevent the risk of spillage.

All VacSax products carry the CE and UKCA mark and conform to relevant standards and regulations.



Unique patented liner is folded for ease and space saving



Conical design allows for simple set up, easy removal & handling



Semi-rigid suction liner stands upright when it is removed from the canister, even when full of fluid



Marks moulded on the external bag surface give an approximate indication of the suctioned contents



Tapered unique vacuum port to avoid misconnection to patient port



Porous plug filter. All our liners have a hydrophobic bacterial shut off filter for complete overflow protection



HOW THE SYSTEM WORKS?

Suction of fluids using disposable containers

The system uses a disposable liner insert within a reusable canister and employs the vacuum action generated by the connected suction device to draw fluids and other materials from the surgical site into the suction liner.

SET UP



Connect the antimicrobial Bacticlear® tubing to the vacuum source and to the mount canister T junction.



Ensure the size of the liner and canister match, insert the folded liner in the canister. Connect the vacuum tapered connector. Check for perfect sealing of the sample port.



Switch the vacuum controller to maximum, this ensures the liner unfolds correctly. Then connect the vacuum tube.



Connect the patient tubing to the elbow. Remove the elbow when using wide diameter tubing and connect directly to the patient port on the lid.



Proceed with the suction.



Once the fluid reaches its maximum level, the overflow hydrophobic valve will automatically cease the suction process.

HOW THE SYSTEM WORKS?

Suction of fluids using disposable containers

DISPOSAL



Carefully detach the patient tubing.



Close the patient port using the patient port plug.



Switch off the vacuum.



Disconnect the vacuum tapered connector.



Grasp the side handles.



Lift and extract the liner from canister.

The used liner and its contents can be safely transported for disposal

LINER & CANISTER RANGE

The product range comprises 1 litre, 2 litre & 3 litre liners along with compatible canisters suitable for use in various clinical settings. These systems can be utilised as fully closed systems with both standard and pre-gelled suction liners.

Liners

Part No.	Description	Quantity Per Box
VFG-101	1000 ml Suction Liner	30 pcs
VFG-201	2000 ml Suction Liner	30 pcs
VFG-301	3000 ml Suction Liner	20 pcs
VFG-111	1000 ml Suction Liner Pre-Gelled	30 pcs
VFG-211	2000 ml Suction Liner Pre-Gelled	30 pcs
VFG-311	3000 ml Suction Liner Pre-Gelled	20 pcs



Canisters

Part No.	Description	Quantity Per Box
3833-190	1 Litre Antimicrobial V Mount Canister w/by pass	1 pc
3833-210	1 Litre Antimicrobial Parallel European w/by pass	1 pc
3833-212	1 Litre Antimicrobial Parallel American w/by pass	1 pc
3833-055	2 Litre Antimicrobial V Mount Canister w/by pass	1 pc
3833-165	2 Litre Antimicrobial Parallel European w/by pass	1 pc
3833-058	2 Litre Antimicrobial Parallel American w/by pass	1 pc
3833-041	3 Litre Antimicrobial V Mount Canister w/by pass	1 pc
3833-045	3 Litre Antimicrobial Parallel European w/by pass	1 pc
3833-042	3 Litre Antimicrobial Parallel American w/by pass	1 pc



V Mount



American Parallel Mount

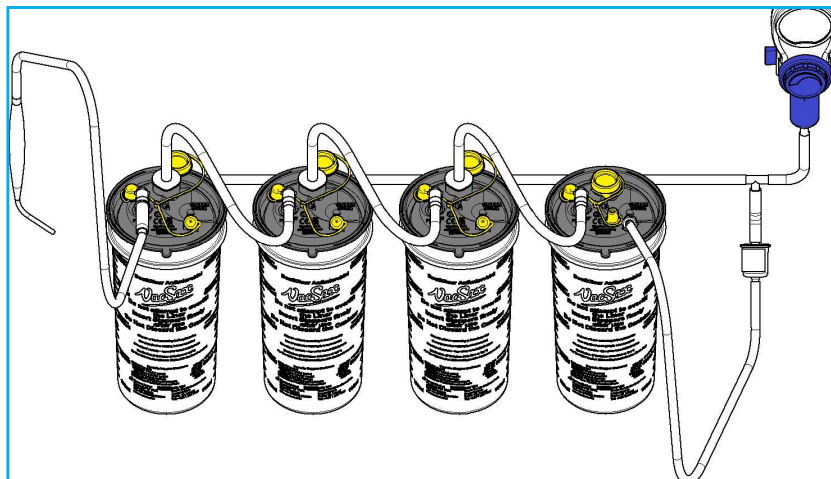


Euro Parallel Mount



FLUID GUARD ON CASCADE

The FluidGuard suction system enables increased fluid collection capacity by allowing the cascading connection of up to 8 liners, without interruption. This is particularly useful for hospital procedures that anticipate the accumulation of substantial volumes of suctioned fluids, such as in orthopedic or nephrology surgery within the operating theatre.



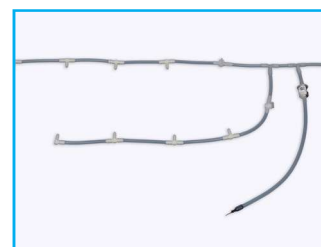
Cascade/Tandem Stands

Part No.	Description	Quantity Per Box
9910-500	500mm 4 V Cascade Stand (excludes tubing, canister & vacuum controller)	1 pc
9910-750	750mm 4 V Cascade Stand (excludes tubing, canister & vacuum controller)	1 pc
9910-1104	1100mm 4 V Cascade Stand (excludes tubing, canister & vacuum controller)	1 pc
9910-1108	1100mm 8 V Cascade Stand (excludes tubing, canister & vacuum controller)	1 pc
5351812	Vacuum Controller - w/ 5m tubing and BS 5682 connector	1 pc



Cascade/Tandem Tubing & Accessories

Part No.	Description	Quantity Per Box
9120-004	4 Canister Tubing Kit (Silicone) for 2 or 3 Litre Canisters	1 pc
9120-008	8 Canister Tubing Kit (Silicone) for 2 or 3 Litre Canisters	1 pc
9130-004	4 Canister Kit including Tubing Kit and 2 Litre Canisters suitable for any 4 V Stand	1 pc
9130-008	8 Canister Kit including Tubing Kit and 2 Litre Canisters suitable for any 8 V Stand	1 pc
4310-023	Cascade Tubing disposable)	50 pcs
4810-009	Collar Casting Central V Mount Support	1 pc

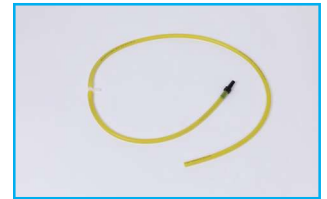


REUSABLE ACCESSORIES



Vacuum Tubing, Taps and Connectors

Part No.	Description	Quantity Per Box
9910-353	1m Yellow Vacuum Tubing Set with T Connector and Antimicrobial Taper Connector	1 pc
2119-030	Yellow Suction Tubing 30m roll	1 pc
3833-039	Tapered Connector	10 pcs
9210-004	Canister Suction T Connector	10 pcs
9210-013	Spare Elbow (Disposable)	10 pcs
9210-003	On/Off Vacuum Tap	10 pcs



Catheter Holders

Part No.	Description	Quantity Per Box
9210-020	Catheter Holder V Mount	1 pc
9210-030	Catheter Holder V Mount with Rail Mounted Bracket	1 pc
9210-040	Catheter Holder V Mount with Wall Mounted Bracket	1 pc



Canister Mounting Brackets

Part No.	Description	Quantity Per Box
1310-000	Rail Mounted V Bracket	1 pc
1310-004	Wall Mounted V Bracket	1 pc
1381-000	V Bracket with Fixings (suitable for mounting on metal)	1 pc
9620-008	Rail Mounted Euro Bracket	1 pc



GELLING AGENTS

Our gelling powder is conveniently available in a variety of packaging options, including bottles, sachets & tubs, allowing for easy insertion of the gelling agent through the sample port before the suction process commences.

Vacsax Pre-Gel Gelling Agent

Part No.	Description	Quantity Per Box
9830-400	4kg Tub	1 pc
9830-020	20g Sachet	100 pcs
9820-720	36g Sachet	20 pcs
9820-036	36g Sachet	100 pcs
9830-008	8g Sachet	50 pcs
9830-750	750g Bottle	6 pcs
9830-100	36g Bottle	20 pcs
9830-200	72g Bottle	20 pcs
9830-300	108g Bottle	20 pcs



DISPOSABLE ACCESSORIES

We offer an extensive range of disposable accessories to facilitate the complete utilisation of the system, including a pipeline protector, filters, measuring vessels, sample socks and tissue collection devices.

To gather the used liners for disposal, our product range includes various options such as cardboard boxes and a dedicated bin. These options provide clinical staff with a safe and efficient means for disposing of containers that may be filled with hazardous and contaminated fluids.

Pipeline Protection

Part No.	Description	Quantity Per Box
9510-100	Pipeline Protector (Filter) Bacterial	10 pcs
9510-110	Viral Filter	10 pcs
9510-115	Anti-Smoke Filter	10 pcs



Tissue Collection/Sample & Critical Measuring

Part No.	Description	Quantity Per Box
9410-001	Tissue Collection Device including Disposal Box	12 pcs
9970-008	Fluid Collection Device	12 pcs
9970-007	Sample Sock - To be used in conjunction with 9970-008	50 pcs
9410-006	Universal Large Capacity Tissue Collection Device	12 pcs



Disposal

Part No.	Description	Quantity Per Box
2940-035	Disposal Bin - takes up to 7 x 2L Liners	10 pcs
2940-036	Disposal Box - takes up to 6 x 1L Liners or 6 x 2L Liners	10 pcs
9940-340	Disposal Box - takes up to 2 x 1L Liners or 2 x 2L Liners	10 pcs
9310-341	Disposal Box - takes up to 3 x 3L Liners	10 pcs



Helping people to live healthier and happier lives

Vital Healthcare helps improve patient outcomes by providing high-quality medical and diagnostic products and services for use in hospital and primary care settings.

Vital Healthcare's product portfolio comprises a comprehensive range of sterile and non-sterile surgical consumables for the use throughout the hospital and healthcare setting. Our extensive range of Endoscopic and Theatre essentials have been developed in consultation with healthcare professionals, ensuring we provide quality products at cost-effective prices, maximising theatre productivity and efficiency. Every product has been designed and produced to enable clinicians to provide the highest level of care to their patients during surgical procedures. This is a time of substantial growth for Vital Healthcare. In recent years, we have more than doubled the scale of our business. Our growth strategy is focused on developing our product portfolio, geographic expansion through partnering with market leading distributors, together with continued acquisition activity. From product design through to logistics Vital Healthcare is unrivalled in its dedication to excellence.



WHAT WE DO

We help to improve patient outcomes by providing products and services that enable healthcare providers to diagnose and treat illness.

HOW WE DO IT

We supply healthcare providers with high-quality medical and diagnostic products for use in hospital and primary care settings.



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