



Getinge Vivus Washer Series

Vivarium Washer Solutions



Enabling effective research

Integrity, accuracy, reliability

Your work enhances current understanding of key biological functions while improving and saving lives. Getinge provides solutions to keep your facility clean so you can focus on the imperative, your research.

Getinge Vivus washer systems reduce the chance of contamination on animal care equipment, ensuring the accuracy of your data. Working in cooperation with users, engineers, architects and facility planners, our equipment has been developed to satisfy the unique demands and stringent regulations of the industry.

Getinge Vivus Cage and Bottle, Cage and Rack and Tunnel Washers are built to exacting standards to provide high efficiency and throughput within any facility.



Large volume washers designed for a wide variety of cages, transfer carts, trolleys and other materials management equipment.

Built for safety

Designed for
efficiency



Keep operators safe

Nothing is more important than the safety of your personnel. Enhanced product features in the Getinge Vivus lineup guarantee operator safety and improve ergonomics during the loading and unloading process. Inherent safety systems are installed in the units and audible alarms alert operators if a problem arises within the wash cycle.

Slash utility use

Preprogrammed wash cycles effectively clean and decontaminate cage components, while helping to save on utility usage. All Getinge Vivus Washers can be equipped with a water saving system, that even further enhance the water consumption by gathering the final rinse water for use as prewash for the next cycle.

Increased reliability

The robust design of the washer minimizes downtime and increases reliability. Greater reliability provides peace of mind that cages will maintain a continuous throughput to guard against vivarium contamination and protect results.

Closing the distance



Cost-effective cleaning solutions mean more facility resources can be dedicated to research. Getinge can satisfy your cage reprocessing needs in various stages of the planning process.

Save time, money and effort by dealing with a single company that offers comprehensive project planning, design and accessories support. Getinge's knowledge and application expertise make customizing your new replacement cleaning systems simple and straightforward.

Optimal lifecycle economy

Our systems are based on compatible modular units that can be quickly integrated and installed to form complete customized solutions based solely on your needs.

Get the service, maintenance and support resources you need quickly and easily.

You will have every possibility to design a flexible service plan that is just right for you. Getinge is committed to serving your needs wherever you are in the world. Your Getinge technician is just a text or phone call away from an entire support team that stands ready to provide additional assistance when necessary to quickly resolve even the most troublesome issues.

Meeting a variety of vivarium needs



Cage and Bottle Washers

Automatic, heavy duty, standalone Cage and Bottle washer that ensures reliable, effective cleaning with high throughput and efficiency. The two models available are intended for detergent solution washing and clean rinsing of cages, racked utensils and bottles used in laboratory animal science and facilities. The models can be selected with separate wash and rinse circuit to avoid any cross contamination between phases.

Rising, guillotine-style doors. Double panel insulated doors with viewing window and safety switch. Single entry is standard but pass-through operation is offered as an option. Optional door interlocks assure integrity of barrier wall by allowing only one door to be open at a time.

View-in-process. Double paned safety tempered glass provides a large port for viewing inside the chamber, as well as excellent sound and heat abatement.

Multipurpose load grid. A sturdy multipurpose load grid allows direct placement of large articles at a comfortable 32" (813 mm) ergonomic load height.



Illuminated chamber. The chamber is fully illuminated by a lamp mounted on top of the unit, shining through a safety glass upper window.

Personal safety systems. Emergency stop buttons with audible and visual alarms are provided at all external door zones to immediately terminate all processing functions.

| Model | Chamber Size (W x H x D) | External Dimensions (W x H x D) |
|--------------|---|--|
| VT773 | 48" x 32" x 34" 1219 x 813 x 864 mm | 72" x 78" x 39" 1829 x 1981 x 991 mm |
| VT775 | 48" x 32" x 48" 1219 x 813 x 1219 mm | 72" x 78" x 53" 1829 x 1981 x 1346 mm |

Cage and Rack Washers

Automatic, standalone washer that provides reliable, effective cleaning and drying with high throughput and efficiency. Intended for detergent solution washing, clean rinsing and drying of transport carts, cages, racked utensils and bottles used in laboratory animal science and facilities. Superior cleaning performance achieved by high pressure and flow that mechanically remove debris and soil within the animal cages.

Pass-through, safety glass, double doors. Manually operated, swing out, side-hinged cabinet type doors made of double pane safety tempered glass promote a convenient and aseptic flow of goods while providing unobstructed viewing of the chamber interior. Selectable door interlock assure the integrity of barrier wall by allowing only one door to be open at any given time

Level chamber floor. Standard removable floor grate sections provide drainage to the sump, as well as a level walking and rolling surface to facilitate loading and unloading of materials.

Illuminated chamber. Chamber is fully illuminated by two lamps mounted on top of the unit.

Guardrails. Fixed guardrails run the length of the chamber to prevent loads from contacting the reciprocating spray manifolds.

Personal safety systems. Emergency stop buttons with audible and visual alarms are provided at all external door zones to immediately terminate all processing functions. Color coded, stainless steel pull cables are provided inside the full length of the chamber to immediately terminate all processing functions by means of an electromechanical safety system.



| Model | Chamber Size (W x H x D) | External Dimensions (W x H x D) |
|-----------------|---|--|
| VT2850 | 46" x 85" x 92" 1168 x 2159 x 2337 mm | 85" x 96" x 99" 2159 x 2438 x 2515 mm |
| VT3350L | 46" x 85" x 140" 1168 x 2159 x 3556 mm | 85" x 96" x 147" 2159 x 2438 x 3734 mm |
| VT3590WL | 72" x 85" x 140" 1829 x 2159 x 3556 mm | 110" x 96" x 147" 2794 x 2438 x 3734 mm |

Tunnel Washers



Automatic hydro-spray washers offer a heavy-duty conveyor design for continuous high volume processing and efficiency. Ideal for use in research animal care laboratories and facilities, units are floor mounted and may be recessed through one or two walls or installed freestanding. The washer cleans and dries metal or plastic cages, utensils and racked watering bottles. It can operate as a standalone or in combination with an integrated robotic cell that dump the soiled bedding in a bedding station and load the animal cage on the conveyor. On the clean side the robot will pick up the clean cage and move to the bedding dispensing station.

Door safety switches. All service access doors are equipped with safety switches. If the doors are not securely closed or if they are opened during machine operation, all operation is immediately suspended and an alarm message appears on the operator screen.

Automatic Self-Cleaning Debris Filters. The output of the recirculation pump is provided with a self-cleaning debris filter having perforation smaller than the spray jet orifices to reduce plugged jets. This reassures that effective cleaning performance is achieved. If the cap on the self-flushing debris strainer is incorrectly or insecurely installed, or missing all together, the unit will not begin operation and the operator is notified via an alarm message on the control panel.

| Model | Belt Width | Tunnel opening (W x H) | External Dimensions (W x H x D) |
|---------------|----------------|----------------------------|--|
| VT2450 | 24" 610 mm | 25" x 25" 635 x 635 mm | 41" x 83" x 26' 1041 x 2108 x 7925 mm |
| VT3650 | 36" 914 mm | 37" x 25" 940 x 635 mm | 53" x 83" x 26' 1346 x 2108 x 7925 mm |
| VT4850 | 48" 1219 mm | 49" x 25" 1245 x 635 mm | 64" x 83" x 26' 1626 x 2108 x 7925 mm |



Quality

Built from experience

Getinge Vivus Cage and Bottle, Cage and Rack and Tunnel systems provide unsurpassed quality that makes your facility safer. Features are designed based on application to optimize system performance.

Automatic multi phase treatment. All Getinge Vivus Cage and Bottle, Cage and Rack and Tunnel Washers incorporate a treatment cycle that includes multiple phases of cleaning. Cage and Rack and the Cage and Bottle Washers have seven phase treatment cycles while the Tunnel Washer has a five-phase continuous cycle. Treatment cycles typically consist of prewash, first and second agent wash, rinse and a vapor removal phases. All cycle phases are adjustable from 0 to 60 minutes. Additional cycle treatment phases are available to assure effective cleaning and process repeatability.

Self-cleaning debris filters. All process solutions are forced through a canister filter to prevent clogged orifices, maximizing uptime and reducing routine maintenance.

Easy dosage changes. Dosing is adjusted volumetrically from the operator touchscreen, delivering the right concentration of chemicals into each phase. External communication ports for external dosing systems are provided.

Effluent cooling. A temperature probe is placed ahead of the drain discharge and automatically opens to mix cold water into the drain line to comply with municipal codes for wastewater.



The intuitive touchscreen display allows operators to set and manage all parameters, monitor alarms and control process flow of the Getinge Vivus Washers.

Water saver. The Getinge water saving program designed in each Vivus unit reduces cycle consumption by 25 to 90 gallons (94.6 to 340 L), depending on the model.

Adjustable wash and rinse treatment temperature. The selected wash and/or rinse treatment periods will not begin timing until the recirculated wash and/or rinse treatment solution temperature reaches the desired, programmable setpoint, assuring a minimum temperature during the entire treatment period.

High pressure spray. Powerful high pressure pumps deliver water to the spray manifold at up to 280 gpm (605 l/min) with pressure in excess of 40 psi (2.76 bar). This ensures total impingement of the load for thorough cleaning.

Intuitive control interface. All Getinge Vivus Cage and Bottle, Cage and Rack and Tunnel Washers are available with an industrial-style, fully modular programmable logic controller with a color touch-screen that provides user-friendly access to all machine functions. Individual treatment routines can be named and programmed by supervisory personnel with complete flexibility in treatment phases, times, temperatures and chemicals. The programming function and service functions are access restricted and protected by pin codes, which limit the operator accessibility and ensure operator and process safety.

Quality is inherent to every Getinge product. From the design specification, through component selection, fabrication, assembly and factory testing, every aspect of the manufacturing process is examined and documented to ensure and prove that the product is designed, built and tested according to the customer specifications and performance requirements.



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