



## Animal Research Biological Safety Cabinets

**BAKER**

Environments For Science™



## SterilGARD® e3 Animal Research Cabinets



**SterilGARD® e3  
Animal Transfer Station**



**SterilGARD® e3  
Necropsy Unit**



**SterilGARD® e3  
Waste Disposal Unit**



**SterilGARD® Duo**

### Energy-efficient cabinets engineered exclusively for animal applications without any compromise on safety or high performance.

- Multiple energy-saving features equal significant ongoing cost savings
- Continuously safe work environment with self-adjusting motor technology
- Quietest operation available
- Most comfortable with lowest noise and reduced heat generation
- Enhanced productivity with ReadySAFE™ mode
- Extended filter life means less user downtime and waste disposal
- Easier, faster maintenance
- Industry's most durable and reliable cabinet means lower life-cycle costs and years of trouble-free operation

Containment and protection criteria typically applied to an NSF Class II, Type A2 BSC is exceeded at all models and sash heights; these models, however, are not currently listed with NSF International 49.

Larger front access openings (sash heights), when combined with a prefilter located under the worksurface, will impact the integrity of the motor technology; as a result, the following models will be supplied at a lower intake, more closely defining them as an NSF Class II Type A1 cabinet: SG604-ATS, SG604-WDU, SG604-NEC. These models still exceed containment and protection criteria typically applied to that of an NSF listed Type A2 cabinet.

With the optimum balance of performance and energy efficiency, our biological safety cabinets protect personnel, product and the environment, all while increasing lab productivity and user comfort. Engineered specifically for animal research labs, each cabinet is backed by years of research, customer feedback and subjected to rigorous safety testing prior to shipment.



Cable ports allow cables/tubing to exit side walls rather than the front work area.



High-velocity return air slots maximize protection.

## ReadySAFE™ Low Flow Mode Makes Your Job Easier and Reduces Energy Consumption

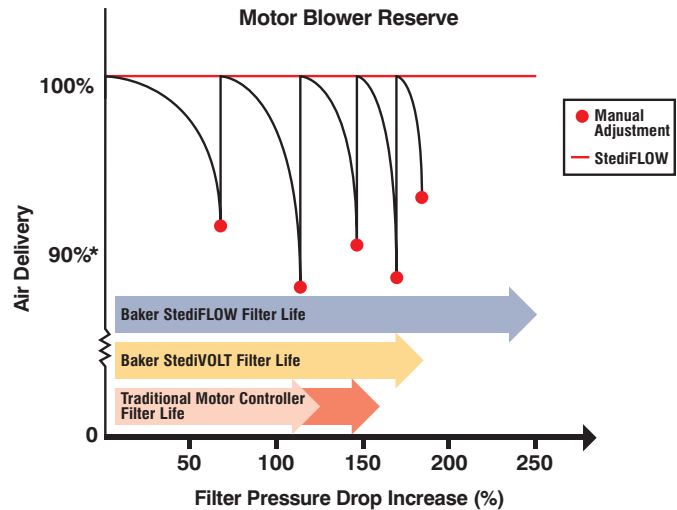
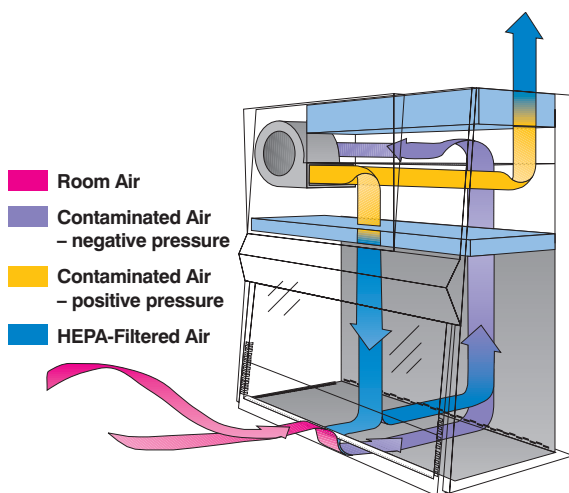
Utilizing the exclusive ReadySAFE™ low-flow mode in the SterilGARD® e3 significantly reduces energy consumption. ReadySAFE™ is automatically engaged when the user closes the sash of the biosafety cabinet – the motor switches to a reduced flow mode and the light in the cabinet turns off. Upon opening the sash the motor switches to its normal operating speed and the cabinet light turns back on. Product protection and containment are maintained. This mode can be used during meetings, work breaks and overnight.

- Meets NSF 49 and ISO class 4 criteria in ReadySAFE™ mode.
- Consumes 50–75% less energy than when operating in the standard mode.
- Increases productivity by allowing user to have instantly safe working conditions upon opening the viewscreen and ongoing work can be left in the cabinet without fear of contamination.

## Industry-Leading Technologies Provide Superior Protection and Maximum Efficiency

Maximum protection and energy efficiency is achieved through seven technologies working in concert: our exclusive motor controller, momentum air curtain, high velocity return air slots, aerodynamically designed airfoil, optimized downflow and exhaust filter and unique air bypass armrest.

- Baker's StediFLOW™ VFD (variable frequency drive) motor controller uses less energy, reduces heat output and operates more quietly. Constant air volume reduces risk of performance degradation, which can compromise personnel and product protection.
- The e3 biological safety cabinet incorporates Baker's exclusive UniPressure Preflow Plenum high-performance airflow system that saves energy and extends filter life by loading filters evenly.
- Baker's optimum blower/motor design ensures performance and extends filter life an additional 30% over our previous cabinets—the longest life in the industry—with a range of over 10 years.
- A unique momentum air curtain offers an added measure of containment and protection by creating a strong air barrier, or momentum air curtain, at the front of the cabinet, increasing protective capabilities for both animals and personnel.



\*Manual adjustment may occur above or below 90%.

- Containment and cleanliness are achieved with precise control of airflow volumes and velocities. A unique feature in the Baker cabinet design, the high-velocity return air slots have been proven to maximize the cabinet's protective capabilities.
- Unique all-metal, double-wall design of the SterilGARD® e3 cabinet creates base, side and back wall plenums that capture and contain contaminated air under negative pressure.
- The cabinet features a unique airflow design that delivers unidirectional downflow air over the work area for maximum containment and protection.

## SterilGARD® e3 Animal Transfer Station with Adjustable Mobile Lift

Class II, Type A2 – 4' or 5'

Class II, Type A1 – 6'

The SterilGARD® e3 Animal Transfer Station offers an adaptive ergonomic design combined with proven containment technology to improve worker comfort, increase productivity and reduce fatigue. Providing protection for personnel, animals and the environment, the SterilGARD e3 Animal Transfer Station provides maximum safety and project flexibility in the animal research laboratory.

### Features

- HEPA supply and exhaust filters protect animals, users and the environment.
- 10° slanted viewscreen permits enhanced product viewing.
- Adaptive ergonomic design combined with continuously adjustable mobile lift for work surface heights of 22" to 40½" provides maximum operator comfort, increased productivity and reduced fatigue.
- Electric/hydraulic lift system allows for increased mobility by lowering height and center of gravity; maintains position when power is removed.
- Portable unit on casters with lift and pullbars; fits through standard doorway in lowest position for increased mobility.
- 12" viewscreen sash opening.
- Pre-filters to capture hair, dander and bedding to preserve the main HEPA filter.
- Available in 4', 5' or 6' models.





# SterilGARD® e3 Necropsy Unit

Class II, Type A2 – 4' or 5'

Class II, Type A1 – 6'

The SterilGARD® Necropsy Unit permits specialized laboratory animal research procedures such as dissection and surgery, cell culture, tissue harvesting and necropsy.

## Features

- HEPA supply and exhaust filters protect animals, users and the environment.
- Work area contains a circular sink with faucet. High-power rinse hose permits complete cleaning of the work area.
- Sloped work surface facilitates rinsing and draining.
- Adaptive ergonomic design combined with adjustable mobile lift for work surface heights of 21<sup>3</sup>/<sub>8</sub>" to 40<sup>5</sup>/<sub>8</sub>" provides maximum operator comfort, increased flexibility and reduced fatigue.
- Electric/hydraulic lift system allows for increased mobility by lowering height and center of gravity; maintains position when power is removed.
- Portable unit on casters with lift; fits through standard doorway in lowest position for increased mobility.
- 12" viewscreen sash opening.
- Drain connection can accommodate fixed connection or quick disconnect design.
- For cabinets exhausted to the outdoors, installation available with an exhaust transition and/or stationary stand.
- Available in 4', 5' or 6' models.



## SterilGARD® e3 Waste Disposal Unit

Class II, Type A2 – 4' or 5'

Class II, Type A1 – 6'

The Waste Disposal Unit is a modified version of the SterilGARD® e3 that offers routine microbiological and cage-cleaning functions while providing maximum safety and flexibility.

### Features

- HEPA supply and exhaust filters protect animals, users and the environment.
- Offers integrated receptacle for waste disposal.
- Flush-mounted cover permits use for other safety cabinet applications.
- Adaptive ergonomic design combined with adjustable mobile lift for work surface heights of 22" to 40½" provides maximum operator comfort, increased flexibility and reduced fatigue.
- Electric/hydraulic lift system allows for increased mobility by lowering height and center of gravity; maintains position when power is removed.
- Portable unit on casters with lift; fits through standard doorway in lowest position for increased mobility.
- 12" viewscreen sash opening.
- Available in 4', 5' or 6' models.



Waste can not included.

# SterilGARD® Duo Double-Sided Biological Safety Cabinet

## Model DS-ATS, Class II, Type A2

The SterilGARD® Duo Biological Safety Cabinet provides personnel, animal, and environmental protection with a unique dual-access work area advantage.

### Features

- HEPA supply and exhaust filters protect personnel, animals, and the environment.
- 12" viewscreen sash opening.
- Slanted viewscreens minimizes glare for a more comfortable view of the worksurface.
- Touch screen control panel located on either side of the cabinet for all settings and adjustments.
- Access to the work area via the viewscreen opening is restricted to one side at a time during normal operation.
- Continuously adjustable mobile lift for work surface heights of 35<sup>3</sup>/<sub>8</sub>" to 47<sup>3</sup>/<sub>8</sub>" provides maximum operator comfort, increased productivity and reduced fatigue.
- Removable worksurface plates above a deep well work area provide versatility for various procedures.





## SterilGARD® e3 Animal Transfer Station

MODEL NUMBER	SG404-ATS	SG504-ATS	SG604-ATS
Size	4'	5'	6'
Electrical	115V, AC	115V, AC	115V, AC
Amps/Breaker	4.2/20	5.2/20	6.4/20
Minimum Exterior Dimensions (Lift in Lowest Position) (h x f-b x w)	79 <sup>11</sup> / <sub>16</sub> " x 33 <sup>7</sup> / <sub>8</sub> " x 64"	79 <sup>11</sup> / <sub>16</sub> " x 33 <sup>7</sup> / <sub>8</sub> " x 76"	79 <sup>11</sup> / <sub>16</sub> " x 33 <sup>7</sup> / <sub>8</sub> " x 88"
Interior Dimensions (h x f-b x w) Per Current Version (NSF)	27 <sup>7</sup> / <sub>16</sub> " x 24 <sup>9</sup> / <sub>16</sub> " x 46"	27 <sup>7</sup> / <sub>16</sub> " x 24 <sup>9</sup> / <sub>16</sub> " x 58"	27 <sup>7</sup> / <sub>16</sub> " x 24 <sup>9</sup> / <sub>16</sub> " x 70"
Interior Dimensions (h x f-b x w) Usable Workspace	27 <sup>7</sup> / <sub>16</sub> " x 19 <sup>5</sup> / <sub>8</sub> " x 44"	27 <sup>7</sup> / <sub>16</sub> " x 19 <sup>5</sup> / <sub>8</sub> " x 56"	27 <sup>7</sup> / <sub>16</sub> " x 19 <sup>5</sup> / <sub>8</sub> " x 68"
Viewscreen Sash Opening	12"	12"	12"
Net Weight	582 lbs	714 lbs	771 lbs
Net Weight Lift	210 lbs	213 lbs	222 lbs
Total Net Weight	792 lbs	927 lbs	993 lbs
Gross Lift Capacity	1000 lbs	1000 lbs	1000 lbs

Available without adjustable mobile lift, or with an optional stand. Contact your Baker Company representative for further information.

## Features

- HEPA supply/exhaust filters with 99.99% minimum efficiency in capturing 0.3 micrometer particulates
- Maximum lift capacity 1,000 lbs
- Electric motor with remote control drives hydraulic pump
- 10-gauge carbon steel frame
- Casters: 4" diameter x 1" wide
- Two pull bars

## SterilGARD® e3 Necropsy Unit

MODEL NUMBER	SG404-NEC	SG504-NEC	SG604-NEC
Size	4'	5'	6'
Electrical	115V, AC	115V, AC	115V, AC
Amps/Breaker	4.2/20	5.2/20	6.4/20
Minimum Exterior Dimensions (Lift in Lowest Position) (h x f-b x w)	79 <sup>11</sup> / <sub>16</sub> " x 33 <sup>7</sup> / <sub>8</sub> " x 64"	79 <sup>11</sup> / <sub>16</sub> " x 33 <sup>7</sup> / <sub>8</sub> " x 76"	79 <sup>11</sup> / <sub>16</sub> " x 33 <sup>7</sup> / <sub>8</sub> " x 88"
Interior Dimensions (h x f-b x w) Per Current Version (NSF)	27 <sup>7</sup> / <sub>16</sub> " x 24 <sup>9</sup> / <sub>16</sub> " x 46"	27 <sup>7</sup> / <sub>16</sub> " x 24 <sup>9</sup> / <sub>16</sub> " x 58"	27 <sup>7</sup> / <sub>16</sub> " x 24 <sup>9</sup> / <sub>16</sub> " x 70"
Interior Dimensions (h x f-b x w) Usable Workspace	27 <sup>7</sup> / <sub>16</sub> " x 19 <sup>5</sup> / <sub>8</sub> " x 44"	27 <sup>7</sup> / <sub>16</sub> " x 19 <sup>5</sup> / <sub>8</sub> " x 56"	27 <sup>7</sup> / <sub>16</sub> " x 19 <sup>5</sup> / <sub>8</sub> " x 68"
Viewscreen Sash Opening	12"	12"	12"
Net Weight	582 lbs	714 lbs	771 lbs
Net Weight Lift	210 lbs	213 lbs	222 lbs
Total Net Weight	792 lbs	927 lbs	993 lbs
Gross Lift Capacity	1000 lbs	1000 lbs	1000 lbs

Available without adjustable mobile lift, or with an optional stand. Contact your Baker representative for further information.

## Features

- HEPA supply/exhaust filters with 99.99% minimum efficiency in capturing 0.3 micrometer particulates
- Maximum lift capacity 1,000 lbs
- Electric motor with remote control drives hydraulic pump
- 10-gauge carbon steel frame
- Casters: 5" diameter x 1<sup>1</sup>/<sub>4</sub>" wide
- Two pull bars

## SterilGARD® e3 Waste Disposal Unit

MODEL NUMBER	SG404-WDU	SG604-WDU
Size	4'	6'
Access Opening	12"	12"
Electrical	115V, AC	115V, AC
Amps/Breaker	4.2/20	6.4/20
Minimum Exterior Dimensions (h x f-b x w) (Lift in Lowest Position)	79 <sup>11</sup> / <sub>16</sub> " x 33 <sup>7</sup> / <sub>8</sub> " x 64"	79 <sup>11</sup> / <sub>16</sub> " x 33 <sup>7</sup> / <sub>8</sub> " x 88"
Interior Dimensions (h x f-b x w) Per Current Version (NSF)	27 <sup>7</sup> / <sub>16</sub> " x 24 <sup>9</sup> / <sub>16</sub> " x 46"	27 <sup>7</sup> / <sub>16</sub> " x 24 <sup>9</sup> / <sub>16</sub> " x 70"
Interior Dimensions (h x f-b x w) Usable Workspace	27 <sup>7</sup> / <sub>16</sub> " x 19 <sup>5</sup> / <sub>8</sub> " x 44"	27 <sup>7</sup> / <sub>16</sub> " x 19 <sup>5</sup> / <sub>8</sub> " x 68"
Viewscreen Sash Opening	12"	12"
Net Weight	582 lbs	771 lbs
Net Weight Lift	210 lbs	222 lbs
Total Net Weight	792 lbs	993 lbs
Gross Lift Capacity	1000 lbs	1000 lbs

Available without adjustable mobile lift, or with an optional stand. Contact your Baker representative for further information.

### Features

- HEPA supply/exhaust filters with 99.99% minimum efficiency in capturing 0.3 micrometer particulates
- Maximum lift capacity 1,000 lbs
- Electric motor with remote control drives hydraulic pump
- 10-gauge carbon steel frame
- Casters: 5" diameter x 1<sup>1</sup>/<sub>4</sub>" wide
- Two pull bars
- For 6' model, waste hole may be located on left or in the center. 4' and 5' models, hole must be in the center.

## SterilGARD® Duo Double-Sided Biological Safety Cabinet

MODEL NUMBER	DS-ATS
Size	5'
Access Opening	12"
Electrical	115V VAC 30A 60HZ Single Phase
Amps/Breaker	120V, 25A Circuit Breaker
Minimum Exterior Dimensions (h x f-b x w)	95 <sup>5</sup> / <sub>16</sub> " x 39 <sup>1</sup> / <sub>4</sub> " x 82 <sup>1</sup> / <sub>4</sub> "
Interior Dimensions – Usable Workspace (h x f-b x w)	25 <sup>7</sup> / <sub>8</sub> " x 21 <sup>9</sup> / <sub>16</sub> " x 57 <sup>15</sup> / <sub>16</sub> "
Viewscreen Sash Opening	20"
Net Weight	1200 lbs
Gross Lift Capacity	2000 lbs
Shipping Weight	1450 lbs

Available without adjustable mobile lift, or with an optional stand. Contact your Baker Company representative for further information.

## Warranty

**SterilGARD® ATS, SterilGARD® NEC, SterilGARD® WDU and SterilSHIELD®**

Thirty-six months from the invoice date (inside the U.S.)

**SterilGARD® Duo**

Twelve months from the invoice date (globally)

The Baker Company, Inc., expressly represents and warrants all goods (a) to be as specified (and described) in The Baker Company catalogs and literature, and (b) to be free under normal use, service and testing (all as described in The Baker Company catalogs and literature) from defects in material and workmanship for the period specified above. The exclusive remedy for any breach or violation of this warranty is as follows: The Baker Company, Inc., will F.O.B. Sanford, Maine, furnish without charge repairs to or replacement of the parts or equipment that proved defective in material or workmanship. No claim may be made for any incidental or consequential damages.

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PROUDLY MADE IN THE U.S.A.



Environments For Science™

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