

# Laboratory Animal Research Products

AniGARD® II

ISO Class 5 (Class 100), Vertical Flow Recirculating

Clean Bench

Standard with Casters

4' Cabinet



## ANIMAL TRANSFER STATION

The AniGARD® II Animal Transfer Station is a vertical flow recirculating air clean bench that provides ISO Class 5 (Class 100) protection by delivering HEPA-filtered air to the work surface. This lightweight, easily maneuverable cabinet features an ergonomically engineered, adjustable work surface and slanted viewscreen for increased worker comfort.

Permitting operator access on three sides, the AniGARD® II is designed to provide animal protection and particulate control during routine cage changing operations in the laboratory while maximizing productivity and flexibility.



Three-sided work area permits ●●● access by multiple operators.

●●● AniGARD® II accommodates a variety of cage sizes.

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# Laboratory Animal Research Products



## Improved Productivity

- Lightweight, compact design with casters and optional pull bar(s) provides for easy movement and maneuverability throughout the laboratory. See back cover for pull bar options and locations.
- Low-profile unit (less than 73") fits through standard doorways and down laboratory aisles.
- A 25' retractable power cord provides greater range of use without unplugging.
- Three-sided work area permits access by multiple operators, facilitating team-based projects.
- The 12" high access openings to the work area accommodate a variety of cage sizes; hinged viewscreen opens to 21" allowing greater visibility and access to work area.
- Flat, spacious work surface allows cages to be pulled in and out quickly.



Viewscreens latch allows the viewscreen to be lifted out of the way for cleaning and maintenance.

Slanted 10° viewscreen for operator comfort and direct line-of-sight viewing. 12" hinged viewscreens (front and rear) open to 21" allowing greater visibility and access to the work area.

Work surface may be hooked at top (optional) to allow easy cleaning of drain pan area.

Optional pull bar with large, built-in tray (not shown) holds water bottles or other large items. Optional pull bars (not shown) can be positioned on any side of the cabinet.

Manual hydraulic lift system with fold-away crank allows infinite adjustment of work surface height from 36" to 48" to accommodate various sized operators. Optional electric lift available.

A 25' retractable power cord reel provides greater range of use without unplugging. Cord reel can be mounted at top (optional).

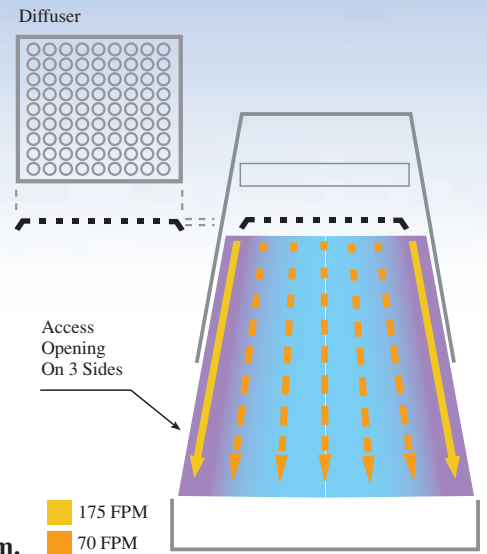
Wide tread casters, 5" diameter with brakes.

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## Exclusive Momentum Air Curtain

The AniGARD® II Animal Transfer Station employs a unique high velocity *momentum air curtain* to help ensure product protection and offer personnel protection without restricting access.

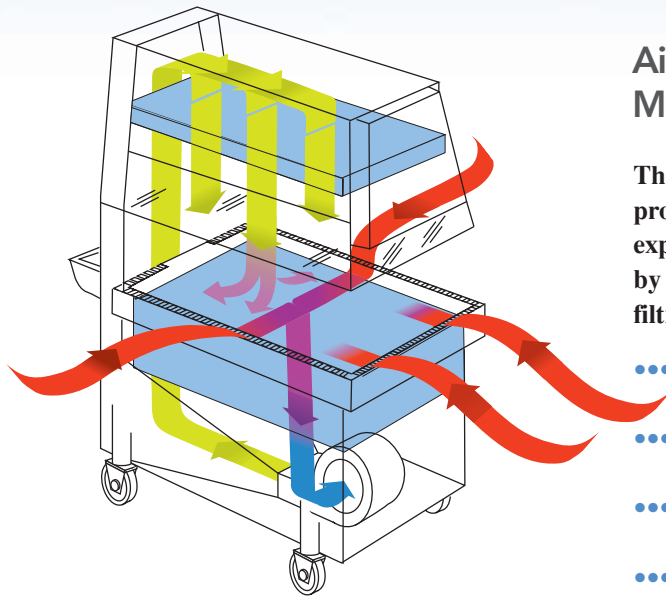
- This unique airflow design generates a more impenetrable barrier along the perimeter of the work surface, working to prevent room particulates from entering the work area.
- A stainless steel diffuser strategically positioned just below the supply filter directs filtered air down the inside of the viewscreen, creating faster airflow of a nominal 175 FPM along the perimeter of the work zone.
- Airflow over the center of the work surface is a nominal 70 FPM.
- Perforations along the perimeter of the work surface under negative pressure assist in capturing particulates that are entrained by the *momentum air curtain*.



## Airflow Design Assures Maximum Efficiency

The AniGARD® II is designed to protect animals from particulate exposure and cross-contamination by providing double HEPA filtration in a re-circulating air system.

- The cabinet delivers HEPA-filtered air to the work area in a vertical downward flow.
- The air passes through a pre-filter and primary HEPA filter located under the work surface.
- A blower located downstream of the primary HEPA filter forces air through a vertical duct and into the top of the cabinet.
- The air passes through a secondary HEPA supply filter and enters the workspace.
- The re-circulating air design eliminates air discharge near the floor that could kick up dust and dander from the floor and into the environment. This prevents contamination of room air and reduces worker exposure to these allergens.
- A viewscreen prevents the operator's head from entering the clean air stream.



- HEPA-Filtered Air -Negative Pressure
- HEPA-Filtered Air +Positive Pressure
- Contaminated Air From Work Surface
- Room Air





## Ergonomic Benefits

- Slanted 10° viewscreen for operator comfort and direct line-of-sight viewing.
- Well-lighted workspace (average 80 foot-candles at work surface) reduces eyestrain; light switch is standard.
- Clear viewing area provides a panoramic view of the workspace from three sides.
- Manual hydraulic lift system with fold-away crank allows infinite adjustment of work surface height from 36" to 48" to accommodate various sized operators comfortably.
- Low noise level improves operator comfort and reduces effect of ambient noise on animals.
- Lightweight and easy to maneuver.

## Construction Features

- Fan and all electrical components are located downstream of pre-filter/primary HEPA filter in clean air plenums, extending component life by preventing exposure to unclean air, reducing costly downtime and expense.
- Primary HEPA filter is removed through the work area, limiting the release of trapped materials while changing the filters.
- Easily removable pre-filter is located below the work surface.
- Ability to scan-test HEPA filters ensures leak-free integrity.
- Welded, full perimeter drain pan under the work surface with 1" drain valve catches liquid or spills, protects electrical components, allows for easy cleanup.
- Designed for easy serviceability including access panels for all electrical components.



Viewscreen latch



Stainless steel diffuser



Manual hydraulic lift



Power cord reel



Wide tread caster





Catalog No. PBR-CE-TR  
Pull bar with fixed tray on closed end



Catalog No. PBR-CE  
Pull bar mounted on closed end



Catalog No. PBR-FB  
Pull bar mounted on side

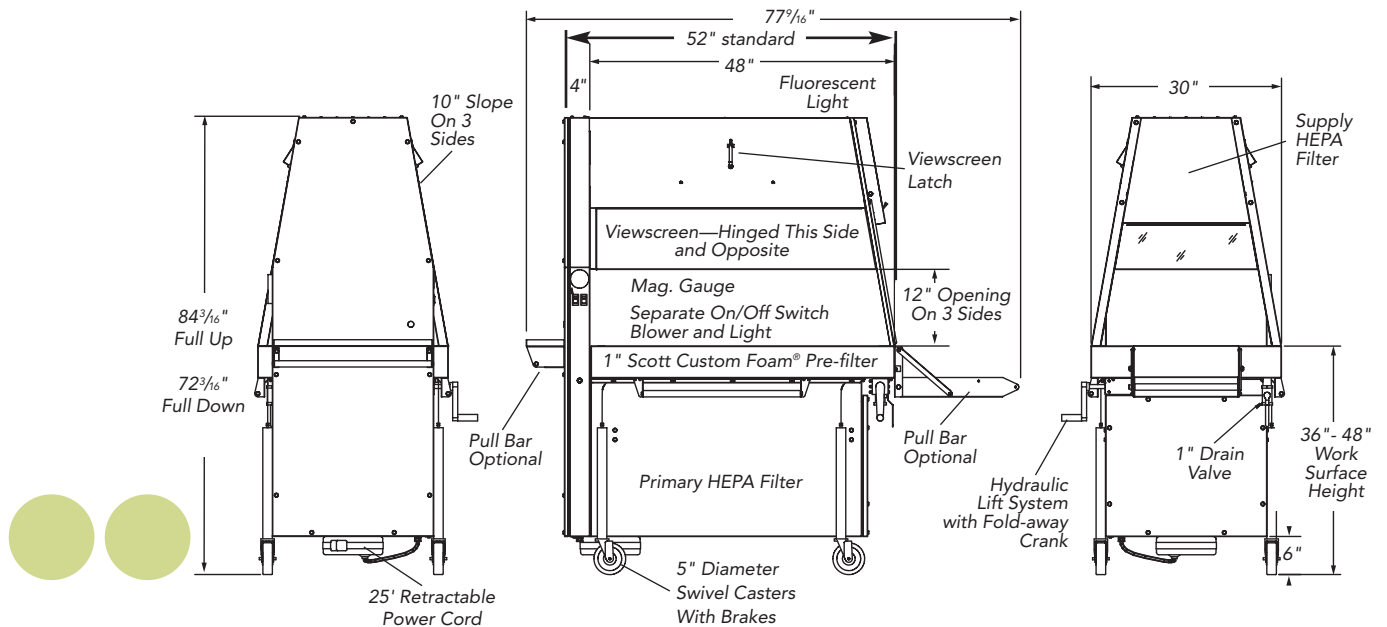


Catalog No. WSH  
Work surface hook on closed end



Catalog No. PBR-OE-FTR  
Pull bar with folding tray, shown open and closed

Catalog #	Description
PBR-CE-TR	Pull bar, mounted closed end, fixed tray 1" deep
PBR-CE	Pull bar, mounted on closed end PBR-CE
	Pull bar, mounted on open end
PBR-FB	Pull bars, mounted on both sides
PBR-OE-PTR	Pull bar, mounted on open end, with large folding tray, 16" x 16" x 3" nominal
	Electric hydraulic lift system, ergonomic
	Fluorescent light (additional), mounted at closed end
	Edstrom watering unit with gooseneck sprayer
	Power cord reel, top mounted (bottom mounted standard)
WSH	Work surface hook, holds work surface tray when cleaning prefilter and drain pan



**MODEL NUMBER**

AG-4-ATS

<b>SIZE</b>	4'
<b>ACCESS OPENING (WORKING POSITION)</b>	12"
<b>ACCESS OPENING (LOADING/CLEANING POSITION)</b>	21"
<b>ELECTRICAL</b>	115V, AC
<b>AMPS/BREAKER</b>	10.3/15
<b>MINIMUM EXTERIOR DIMENSIONS (ADJUSTABLE LIFT IN LOWEST POSITION) (H X F-B X W)</b>	72 $\frac{3}{8}$ " x 30" x 52"
<b>INTERIOR DIMENSIONS (H X F-B X W)</b>	22 $\frac{1}{2}$ " x 24" x 44 $\frac{3}{4}$ "
<b>NET WEIGHT</b>	425 lbs
<b>SHIP WEIGHT</b>	550 lbs
<b>WARRANTY</b>	36 months

## General Specifications

- HEPA filters with 99.99% minimum efficiency in capturing 0.3 micrometer particles
- Independent power switch for light
- Conveniently located minihelic gauge confirms cabinet operation
- Carbon steel construction with baked enamel exterior finish
- 16-gauge stainless steel work surface and drain pan
- Wide tread casters, 5" diameter with brakes
- Optional pull bars with and without built-in tray for supplies
- Washable pre-filter extends HEPA filter life
- No air discharge near the floor
- 2 HEPA filters ensure ISO Class 5 (Class 100) air across work surface
- One blower/motor provides re-circulating airflow
- Primary HEPA filter is removable from work area
- Unrestricted 3-sided open access

# Laboratory Animal Research Products



AniGARD® VF

ISO Class 5 (Class 100), Vertical Flow Recirculating Clean Bench

Standard with Mobile Stand (Stationary Stand Optional)

5' Cabinet

## ANIMAL TRANSFER STATION

The AniGARD® VF Animal Transfer Station is a vertical flow re-circulating air clean bench that provides ISO Class 5 (Class 100) protection by delivering HEPA-filtered air to the work surface. This ergonomically engineered cabinet features an optional adjustable work surface and slanted viewscreen for increased worker comfort.

AniGARD® VF provides animal protection and particulate control during routine cage changing operations in the laboratory while maximizing productivity and flexibility.

### Improved Productivity

- Wide work area permits access by multiple operators.
- Flat, spacious work surface allows cages to be pulled in and out quickly.
- Interior dimensions are 31<sup>3</sup>/<sub>4</sub>" H x 23" F-B x 58"
- The 14" high access openings to the work area accommodate a variety of cage sizes; hinged viewscreen opens to 30" allowing access to work area and greater visibility during normal operation.

### Mobile Operation

- Configured with mobile stand with casters and pull bars, the AniGARD® VF is easy to move and maneuver throughout the laboratory.
- At lowest adjustment, the low-profile unit fits through standard doorways and down laboratory aisles.
- The hydraulic adjustment positions the work surface elevation at infinite levels from 21" to 40".



••• AniGARD® VF, Model AG5-VF, shown with optional stationary stand.

AniGARD® VF, Model AG5-VF, with mobile stand, shown adjusted for work in seated position. •••



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- AniGARD® VF, Model AG5-VF, shown with mobile stand, electric hydraulic lift, adjusted for work in standing position.



## Ergonomic Benefits

- Slanted 10° viewscreen for operator comfort and direct line-of-sight viewing.
- Well-lighted workspace reduces eyestrain; optional light switch.
- Clear viewing area provides easy access to the workspace.
- Mobile stand with one-touch electronic control over hydraulic lift system allows infinite adjustment of work surface height from 21" to 40" to accommodate various sized operators seated or standing.
- Low noise level improves operator comfort and reduces effect of ambient noise on animals.

## Construction Features

- Primary HEPA supply filter is removed through the front plenum area.
- Ability to scan-test HEPA filters ensures leak-free integrity.
- The hinged viewscreen has a unique latch system to maintain the viewscreen in an open position when required.
- Designed for easy serviceability including access panels for all electrical components.
- Rear forklift slots facilitate installation.
- Pre-filter below work surface helps capture large particles, prolonging HEPA filter life.

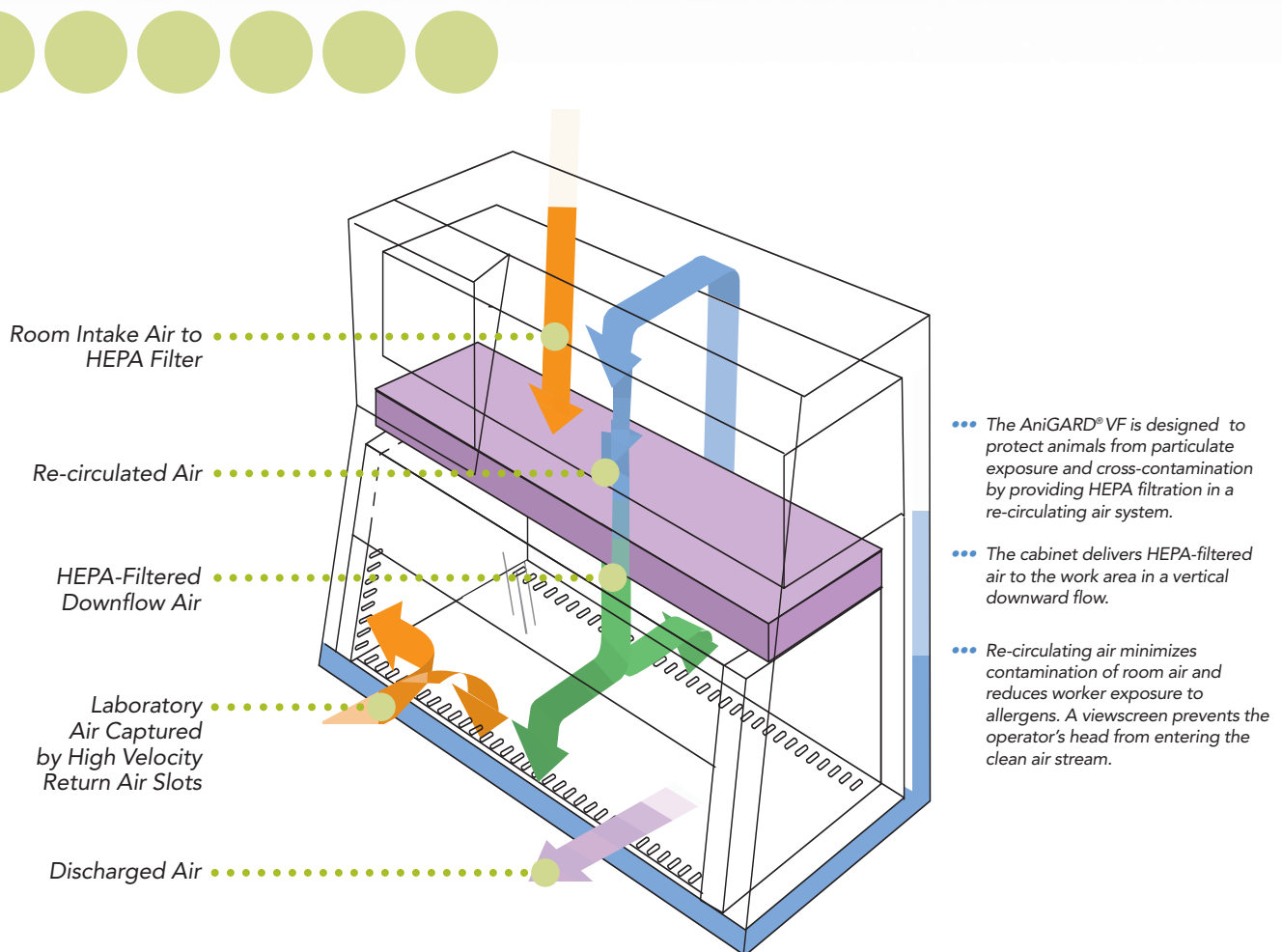
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## Exclusive Momentum Air Curtain and High Velocity Air Slots

The AniGARD® VF employs a unique *momentum air curtain* to help ensure product protection and offer additional protection without restricting access.

- This airflow design generates a more impenetrable barrier along the perimeter of the work surface, working to prevent room particulates from entering the work area.
- A stainless steel diffuser strategically positioned just below the supply filter directs filtered air down the inside of the viewscreen, creating faster airflow of a nominal 175 FPM along the front of the work zone.
- Airflow over the center of the work surface is a nominal 50–60 FPM.
- High velocity return air slots along the front of the work surface under negative pressure assist in capturing particulates that are knocked down by the *momentum air curtain*.



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**MODEL NUMBER****AG-5-VF**

<b>SIZE</b>	5'
<b>ACCESS OPENING (WORKING POSITION)</b>	14"
<b>ACCESS OPENING (LOADING/CLEANING POSITION)</b>	30 <sup>1</sup> / <sub>2</sub> "
<b>ELECTRICAL</b>	115V, AC
<b>AMPS/BREAKER</b>	12/15, 14/20 with lift
<b>EXTERIOR DIMENSION RANGE (STATIONARY STAND, INCREMENTALLY ADJUSTABLE)</b>	88 <sup>7</sup> / <sub>8</sub> " to 98 <sup>1</sup> / <sub>8</sub> "H x 32"F-B x 65 <sup>1</sup> / <sub>2</sub> "W
<b>EXTERIOR DIMENSION RANGE (MOBILE STAND, INFINITELY ADJUSTABLE)</b>	79 <sup>1</sup> / <sub>4</sub> " to 97 <sup>3</sup> / <sub>8</sub> "H x 33 <sup>1</sup> / <sub>4</sub> " F-B x 73 <sup>1</sup> / <sub>2</sub> "W
<b>WORK SURFACE HEIGHT RANGE (STATIONARY STAND)</b>	30 <sup>1</sup> / <sub>4</sub> " to 38 <sup>3</sup> / <sub>4</sub> "
<b>WORK SURFACE HEIGHT RANGE (MOBILE STAND)</b>	21 <sup>7</sup> / <sub>16</sub> " to 40 <sup>7</sup> / <sub>16</sub> "H
<b>INTERIOR DIMENSIONS</b>	31 <sup>3</sup> / <sub>4</sub> "H x 23"F-B x 58"W
<b>SHIP WEIGHT</b>	800 lbs
<b>WARRANTY</b>	36 months

## General Specifications

- Interior workspace made from 16-gauge stainless steel
- Better than ISO Class 5 (Class 100) air cleanliness in the workspace
- Carbon steel construction with baked enamel exterior finish
- HEPA filters with 99.99% minimum efficiency in capturing 0.3 micrometer particles
- Independent switches for blower and light; if blower is not on, light switch will not work
- Large, easy-to-read magnahelic gauge confirms cabinet operation
- Washable pre-filter extends HEPA filter life
- Optional wide tread casters, 5" diameter x 1", with brakes
- Plumbing: One petcock on right-hand side (option for more); petcock connection choices located on bottom, back and top (channel stand) and on side only for lift stand
- Electricity: One duplex on left-hand side (option for one on right-hand side)



## Options

### Description

Stationary stand

Pull bar, mounted on left or right side

Edstrom watering unit with gooseneck sprayer

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# Laboratory Animal Research Products



SterilGARD® III Advance°  
Class II, Type A1\* Biological Safety Cabinet  
Adjustable Mobile Lift  
4' or 6' Models Available



## ANIMAL TRANSFER STATION

The SterilGARD® III Advance° Animal Transfer Station offers a new adaptive ergonomic design combined with a unique airflow management system and proven containment technology to improve worker comfort, increase productivity and reduce fatigue. Providing

protection for personnel, animals and the environment, the SterilGARD® III Advance° Animal Transfer Station provides maximum safety and project flexibility in the animal research laboratory.

## SterilGARD® III Advance° Animal Transfer Station with Adjustable Mobile Lift

Class II, Type A1\* Biological Safety Cabinet, 4' or 6'

- Protection for personnel, animals, environment.
- UniPressure™ Preflow Plenum, high velocity return air slots and HEPA supply and exhaust filters provide maximum containment.
- Supply HEPA-Filter provides better than ISO Class 5 (Class 100) internal air cleanliness.
- Baker exclusive momentum air curtain contains particulates within work area and inhibits migration of room air into work area.
- 10° slanted viewscreen permits enhanced product viewing.
- Adaptive ergonomic design combined with continuously 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 productivity, reduced fatigue.
- Electric/hydraulic lift system allows for increased mobility by lowering height and center of gravity; locks in place when power is removed.
- Portable unit on casters with lift; fits through standard doorway in lowest position for increased mobility.
- 12" viewscreen sash opening.



SterilGARD® III Advance° •••  
with adjustable mobile lift



••• Lift shown in lowest  
position for transport

\* formerly A/B3

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## MODEL NUMBER

	SG403-ATS	SG603-ATS
SIZE	4'	6'
ACCESS OPENING	12"	12"
ELECTRICAL	115V, AC	115V, AC
AMPS/BREAKER	12.4/20	14.7/20
MINIMUM EXTERIOR DIMENSIONS (LIFT IN LOWEST POSITION) (H X F-B X W)	79 <sup>1</sup> / <sub>8</sub> " x 32" x 64"	79 <sup>1</sup> / <sub>8</sub> " x 32" x 88"
INTERIOR DIMENSIONS (H X F-B X W)	27 <sup>1</sup> / <sub>4</sub> " x 20 <sup>1</sup> / <sub>8</sub> "** x 44"	27 <sup>1</sup> / <sub>4</sub> " x 20 <sup>1</sup> / <sub>8</sub> "** x 68"
NET WEIGHT SGIII®	525 lbs	700 lbs
NET WEIGHT LIFT	175 lbs	200 lbs
TOTAL NET WEIGHT	700 lbs	900 lbs
GROSS LIFT CAPACITY	1320 lbs	1320 lbs

SG403 and SG603 Class II Type A1\* Biological Safety Cabinets are available without adjustable mobile lift, or with an optional stand. Contact your Baker Company representative for further information.

\* formerly A/B3

\*\* Useable work surface



## Features and Specifications

- HEPA supply/exhaust filters with 99.99% minimum efficiency in capturing 0.3 micrometer particulates
- Maximum lift capacity 1320 lbs
- Electric motor with remote control drives hydraulic pump
- 10-gauge carbon steel frame
- Casters: 5" diameter x 2" wide
- Two pull bars
- Available in 4' and 6' cabinet models with continuously adjustable mobile lift



**THE BAKER COMPANY**

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# Laboratory Animal Research Products



SterilGARD® III Advance°  
Class II, Type A2\* Biological Safety Cabinet  
Adjustable Mobile Lift  
4' or 6' Models Available



## NECROPSY UNIT

The SterilGARD® III Advance° Necropsy Unit is a modified version of the SterilGARD® III Advance° that permits specialized laboratory animal research procedures while providing the ergonomic benefits and containment

of the SterilGARD® III Advance° Biological Safety Cabinet. Applications include dissection and surgery, cell culture, tissue harvesting and necropsy.

### SterilGARD® III Advance° Necropsy Unit with Adjustable Mobile Lift Class II, Type A2\* Biological Safety cabinet, 4' or 6'

#### Features and Benefits

- Protection for personnel, animals, environment.
- Work area contains a circular sink with faucet on left.
- Stainless steel, high power rinse hose mounted on the right side permits complete cleaning of the work area.
- Sloped work surface facilitates rinsing and draining.
- UniPressure™ Preflow Plenum, high velocity return air slots and HEPA filtering provide containment.
- Supply HEPA-Filter provides better than ISO Class 5 (Class 100) internal air cleanliness.
- Ergonomic design allows maximum operator comfort, increases productivity, reduces fatigue.
- Available in 4' and 6' cabinet models with continuously adjustable mobile lift.
- Mobile lift available only where cabinet is vented to room.
- For cabinets exhausted to the outdoors, installation available with stationary stand and exhaust transition.



SterilGARD® III Advance°  
Necropsy Unit with  
adjustable mobile lift



\* formerly A/B3

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## MODEL NUMBER

	SG403-NEC	SG603-NEC
SIZE	4'	6'
ACCESS OPENING	8"	8"
ELECTRICAL	115V, AC	115V. AC
AMPS/BREAKER	12.4/20	14.7/20
MINIMUM EXTERIOR DIMENSIONS (LIFT IN LOWEST POSITION) (H X F-B X W)	79 <sup>7</sup> / <sub>8</sub> " x 32" x 64"	79 <sup>7</sup> / <sub>8</sub> " x 32" x 88"
INTERIOR DIMENSIONS (H X F-B X W)	27 <sup>1</sup> / <sub>4</sub> " x 20 <sup>1</sup> / <sub>8</sub> "** x 44"	27 <sup>1</sup> / <sub>4</sub> " x 20 <sup>1</sup> / <sub>8</sub> "** x 70"
NET WEIGHT SGIII®	525 lbs	700 lbs
NET WEIGHT LIFT	175 lbs	200 lbs
TOTAL NET WEIGHT	700 lbs	900 lbs
GROSS LIFT CAPACITY	1320 lbs	1320 lbs
		* formerly A/B3 ** useable work surface

## Features and Specifications

- HEPA supply/exhaust filters with 99.99% minimum efficiency in capturing 0.3 micrometer particulates
- Maximum lift capacity 1320 lbs
- Electric motor w/ remote control drives hydraulic pump
- 10-gauge carbon steel frame
- Casters: 5" diameter x 2" wide
- Two pull bars
- Available in 4' and 6' cabinet models with continuously adjustable mobile lift