Your trusted global partner in life-saving research

For over 50 years, Allentown has provided critical solutions to the biomedical research community. Our high-quality equipment and advanced vivarium systems continue to define and exceed industry standards. Like everything we do, our unparalleled customer service is stamped with the Allentown hallmarks of integrity, dedication and care.

SC Plus™

BIOLOGICAL SAFETY CABINET

OVERVIEW

Providing critical solutions with integrity and care.

The Ultimate in Enhanced Protection

The SC Plus offers the ultimate in enhanced protection during rodent procedures and cage change operations. Featuring HEPA-filtered Class 5, NSF-Listed, laminar downflow and exhaust with a 12-inch sash opening, the SC Plus Class II Type A2 Biological Safety Cabinet provides full separation between the interior work area and the external environment for full animal and personnel protection.

NSF-listed at 12 Inches – The SC Plus complies with personal protection NSF/ANSI 49 and EN12469. It is also KI Discus Certified. A second ECM blower adds the additional airflow necessary to provide users with a larger opening through which critical cage change and animal handling operations can be performed.

Everything You Need, Right Before Your Eyes – The Color Display & Information Center allows you to monitor all aspects of the safety cabinet's performance. With MyLogic™, the screen communicates with you in complete sentences, eliminating guesswork and making it even easier to program the SC Plus to your exact need.

Germ-free Cage Change Option for Gnotobiotic Studies – To facilitate germ-free cage change during gnotobiotic studies, the optional Transfer Chamber seamlessly integrates with both the Safety Cabinet and our Sentry SPP Sealed Positive Pressure IVC.

COMPONENTS

Biological Safety Cabinet

Complies with personal protection NSF/ANSI 49 and EN12469

KI Discus Certified

NSF-Listed with 12-inch sash opening

Available in three sizes: 4-, 5-, and 6-feet wide

Dual HEPA filters (99.99 % efficient at 0.3 μ)

Dual ECM blowers

Reduced noise (63 dBa)

Air quality: ISO Class 5

UV lamp for work surface decontamination with sash lock-out

Color display and information center:
- Filter status
- Cabinet status
- UV lamp and status
- Air flow alerts and alarm messages

Night mode for continuous fan operation at reduced speeds with closed sash

Electronic exhaust adjustment

Type 304 stainless steel interior sides, back and work surface

Glare-free dual LED lighting

Durable epoxy-coated steel exterior

Large 5-inch diameter, non-marking polyurethane casters with brakes (with base stand option)

Optional 100 V, 115 V, or 230 V operation (50 / 60 Hz)

21.70-inch maximum loading height

Blower motor: ECM

Number of blowers: 2

Blower motor power (each): 0.33 hp (246 watts)

Sash material (non-EN compliant): Tempered safety glass

Sash material (EN compliant): Laminated glass

Sash thickness: 0.25 inches

Internal GFI duplex outlets and service fixture petcock

Pre-filter (washable)

Flush outlet door

Pass-through port

Options for Gnotobiotic studies:
- Transfer chamber for germ-free cage change
- Autoclave sterilizing cylinder
- Isolator trolley and attachments
- Sentry SPP Sealed Positive Pressure IVC
- Sani-Rack autoclave presentation rack

Stand Options:
- Knock down base stand (with or without casters)
- Electronic hydraulic stand with lift and height adjustment (with casters)
- Table top mounted

Allentown®
Improving Life – it's in our DNA.®

SPECIFICATIONS

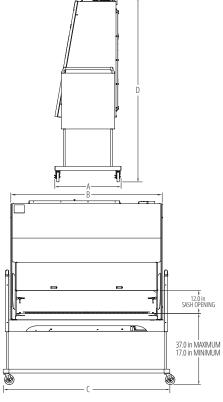| Stand Options	Depth (A)	Width (B)	Width (C)	Height (D)	Packaged Dimensions	Weight[1] (crated)	Weight[1] (product)	Noise Level[2] (NSF49 / EN12469)	Downflow Air Velocity	Inflow Air Velocity	Energy Use (Blower)	Energy Use (Blower + Lights)	Energy Use (Lift System)
	in	in	in	in	in	lbs	lbs	dBa	FPM	FPM	Watts	Watts	Watts
SC Plus (4-foot Wide)													
No Stand	32.0	54.3	54.3	61.9	72 x 44 x 71	585	510	63 – 64 / 61 – 62	55 – 65	105	240	305	–
Knock Down Base Stand	32.0	54.3	54.3	88.5 – 95.5	72 x 44 x 71	660	585	63 – 64 / 61 – 62	55 – 65	105	240	305	–
Hydraulic Stand	34.4	54.3	62.4	75.5 – 95.5	68 x 40.5 x 76	635	630	63 – 64 / 61 – 62	55 – 65	105	240	305	240
SC Plus (5-foot Wide)													
No Stand	32.0	66.3	66.3	61.9	86 x 44 x 71	715	600	64 – 65 / 63 – 64	55 – 65	105	400	460	–
Knock Down Base Stand	32.0	66.3	66.3	88.5 – 95.5	86 x 44 x 71	805	690	64 – 65 / 63 – 64	55 – 65	105	400	460	–
Hydraulic Stand	34.4	66.3	74.4	75.5 – 95.5	80 x 40.5 x 76	755	750	64 – 65 / 63 – 64	55 – 65	105	400	460	240
SC Plus (6-foot Wide)													
No Stand	32.0	78.3	78.3	61.9	86 x 44 x 71	805	690	64 – 65 / 63 – 64	55 – 65	105	435	510	–
Knock Down Base Stand	32.0	78.3	78.3	88.5 – 95.5	86 x 44 x 71	905	790	64 – 65 / 63 – 64	55 – 65	105	435	510	–
Hydraulic Stand	34.4	78.3	86.4	75.5 – 95.5	92 x 40.5 x 76	845	840	64 – 65 / 63 – 64	55 – 65	105	435	510	240

Note: a.) Airflow at sea-level b.) Airflow tolerance ±10% [1] All weights are approximations. [2] Data taken with new filters, and no accessories installed.

	SC Plus (4-foot Wide)	SC Plus (5-foot Wide)	SC Plus (6-foot Wide)
Other Specifications			
Chamber Internal Dimensions	48.5 in x 25.7 in x 19.6 in	60.5 in x 25.7 in x 19.6 in	72.5 in x 25.7 in x 19.6 in
Lighting NSF49	95 ft-c (1023 lux)	120 ft-c (1292 lux)	150 ft-c (1615 lux)
Vibration NSF49	0.5×10^{-5} m	0.5×10^{-5} m	0.5×10^{-5} m
Total Air Displacement	784 CFM	979 CFM	1176 CFM
Exhaust (Inflow) Volume	424 CFM	529 CFM	636 CFM
Downflow Volume	360 CFM	450 CFM	540 CFM
Supply HEPA Width	48 in	60 in	72 in
Supply HEPA Depth	18 in	18 in	18 in
Supply HEPA Height	3.06 in	3.06 in	3.06 in
Supply HEPA Performance	445 CFM	555 CFM	665 CFM
Supply HEPA Diff. Press.	.40 – .60 in H_2O	.40 – .60 in H_2O	.38 – .50 in H_2O
Exhaust HEPA Width	26 in	36 in	48 in
Exhaust HEPA Depth	18 in	18 in	18 in
Exhaust HEPA Height	5.88 in	5.88 in	5.88 in
Exhaust HEPA Performance	354 CFM	441 CFM	529 CFM
Exhaust HEPA Diff. Press.	< .3 in H_2O	0.2 – 0.37 in H_2O	< .3 in H_2O
LED Lights (2 ea)	KT-LED 15T8-48GC-840-D (4 ft)	KT-LED 24T8-60GC-840-D (5 ft)	KT-LED 32T8-72GC-840-D (5 ft)
UV Light (1 ea)	G30T8 (3 ft)	G30T8 (3 ft)	G30T8 (3 ft)
Pre-Filter Performance	MERV 5 (G3)	MERV 5 (G3)	MERV 5 (G3)
Pre-Filter Size (2 ea)	24.13 in x 6 in x .44 in	(1) 24.13 in x 6 in x .44 in (1) 36.13 in x 6 in x .44 in	36.13 in x 6 in x .44 in
Exhaust connection airflow* (optional)	521 CFM	658 CFM	825 CFM

* Airflow valves are CBV (Concurrent Balance Valves) and include inlet relief airflow requirements.

SC Plus with Hydraulic Stand

12.0 in SASH OPENING

37.0 in MAXIMUM
17.0 in MINIMUM

All dimensions shown (Width x Height x Depth). Allentown recommends that projects that have critical size, airflow, water or electrical needs be handled through approval drawings to ensure all critical areas are addressed and have visibility throughout the team including, A&E, MEP and construction persons.