



**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 305 millimeter 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 305 mm – 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 305 mm sash opening

Available in three sizes: 1232, 1537, and 1842 mm wide

Dual HEPA filters (99.99 % efficient at 0.3 µ)

Dual ECM blowers

Reduced noise (61 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 127 mm diameter, non-marking polyurethane casters with brakes (with base stand option)

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

551 mm 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: 6 mm

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

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)
	mm	mm	mm	mm	mm	kg	kg	dBa	m / s	m / s	Watts	Watts	Watts
SC Plus 4 (1232 mm Wide)													
No Stand	813	1379	1379	1572	1829 x 1118 x 1803	265	231	63 – 64 / 61 – 62	0.28 – 0.33	0.51 – 0.56	240	305	–
Knock Down Base Stand	813	1379	1379	2248 – 2426	1829 x 1118 x 1803	299	265	63 – 64 / 61 – 62	0.28 – 0.33	0.51 – 0.56	240	305	–
Hydraulic Stand	874	1379	1585	1918 – 2426	1727 x 1029 x 1930	288	286	63 – 64 / 61 – 62	0.28 – 0.33	0.51 – 0.56	240	305	240
SC Plus 5 (1537 mm Wide)													
No Stand	813	1684	1684	1572	1829 x 1118 x 1803	324	272	64 – 65 / 63 – 64	0.28 – 0.33	0.51 – 0.56	400	460	–
Knock Down Base Stand	813	1684	1684	2248 – 2426	1829 x 1118 x 1803	365	313	64 – 65 / 63 – 64	0.28 – 0.33	0.51 – 0.56	400	460	–
Hydraulic Stand	874	1684	1889	1918 – 2426	2032 x 1029 x 1930	342	340	64 – 65 / 63 – 64	0.28 – 0.33	0.51 – 0.56	400	460	240
SC Plus 6 (1842 mm Wide)													
No Stand	813	1989	1989	1572	1829 x 1118 x 1803	365	313	64 – 65 / 63 – 64	0.28 – 0.33	0.51 – 0.56	435	510	–
Knock Down Base Stand	813	1989	1989	2248 – 2426	1829 x 1118 x 1803	411	358	64 – 65 / 63 – 64	0.28 – 0.33	0.51 – 0.56	435	510	–
Hydraulic Stand	874	1989	2194	1918 – 2426	2337 x 1029 x 1930	383	381	64 – 65 / 63 – 64	0.28 – 0.33	0.51 – 0.56	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 (1232 mm Wide)	SC Plus 5 (1537 mm Wide)	SC Plus 6 (1842 mm Wide)
Other Specifications			
Chamber Internal Dimensions	1232 mm x 653 mm x 498 mm	1537 mm x 653 mm x 498 mm	1842 mm x 653 mm x 498 mm
Lighting NSF49	1023 lux	1292 lux	1615 lux
Vibration NSF49	0.5 x 10 ⁻⁵ m	0.5 x 10 ⁻⁵ m	0.5 x 10 ⁻⁵ m
Total Air Displacement	1332 m ³ / hr	1663 m ³ / hr	1998 m ³ / hr
Exhaust (Inflow) Volume	720 m ³ / hr	899 m ³ / hr	1081 m ³ / hr
Downflow Volume	612 m ³ / hr	765 m ³ / hr	918 m ³ / hr
Supply HEPA Width	1219 mm	1524 mm	1829 mm
Supply HEPA Depth	457 mm	457 mm	457 mm
Supply HEPA Height	78 mm	78 mm	78 mm
Supply HEPA Performance	311.5 m ³ / h	943.5 m ³ / h	1130.5 m ³ / h
Supply HEPA Diff. Press.	99.6 – 149.4 Pa H ₂ O	99.6 – 149.4 Pa H ₂ O	94.62 – 124.5 Pa H ₂ O
Exhaust HEPA Width	660 mm	914 mm	1219 mm
Exhaust HEPA Depth	457 mm	457 mm	457 mm
Exhaust HEPA Height	149 mm	149 mm	149 mm
Exhaust HEPA Performance	601 m ³ / h	749 m ³ / h	899 m ³ / h
Exhaust HEPA Diff. Press.	< 74.7 Pa H ₂ O	49.8 – 92.1 Pa H ₂ O	< 74.7 Pa H ₂ O
LED Lights (2 ea)	KT-LED 15T8-48GC-840-D (1219 mm)	KT-LED 24T8-60GC-840-D (1524 mm)	KT-LED 32T8-72GC-840-D (1829 mm)
UV Light (1 ea)	G30T8 (914 mm)	G30T8 (914 mm)	G30T8 (914 mm)
Pre-Filter Performance	MERV 5 (G3)	MERV 5 (G3)	MERV 5 (G3)
Pre-Filter Size (2 ea)	613 mm x 152.4 mm x 11 mm	(1) 613 mm x 152.4 mm x 11 mm (1) 918 mm x 152.4 mm x 11 mm	918 mm x 152.4 mm x 11 mm
Exhaust connection airflow* (optional)	885 m ³ / h	1118 m ³ / h	1402 m ³ / h

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

SC Plus with Hydraulic Stand

