

Ascent™ Max

Ductless Fume Hoods

The Safe, Energy-Efficient Solution for Modern Chemistry





Why Esco Ductless Fume Hoods?



The "GREEN" solution

- Environmentally friendly
- Does not discharge toxic gases to the environment
- Saves energy, and reduces total carbon footprint



Safe carbon filtration

- Compliance to international standards
- Proprietary Nanocarb™ activated carbon technology
- Industry-unique dual diffuser system on our Ascent™ Max fume hoods optimizes carbon filter life
- Optional VOC sensor system on our Ascent™ Max hoods detects filter saturation
- FiltraCheck™ service to qualify your application's suitability for a ductless solution
- Chemical Guide provides list of chemicals with specific suitability and safety data



Low cost

- No ductwork required
- No exhaust system required
- Saves the need for elaborate make-up air systems, in turn saving running costs required to condition make-up air





Convenience

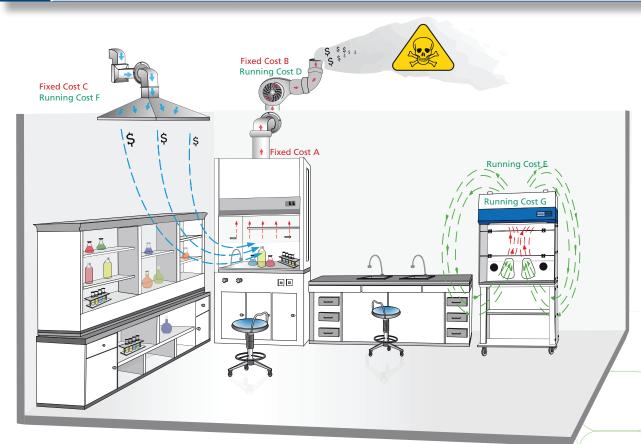
- No installation hassle
- Mobile, flexible and easily relocatable



Guide to Ascent™ Max Models					
		ADC- <u>4</u> <u>B</u> <u>2</u>			
1st Placeholder External Width	Code	2nd Placeholder Model	Code	3rd Placeholder Electrical	Code
0.9 m (3 ft)	3	ADC-B (Single-layer Carbon Filter)	В	110-220 VAC, 60 Hz	2
1.2 m (4 ft)	4	ADC-C (Double-layer Carbon Filter)	С		
1.5 m (5 ft)	5	ADC-E (One-layer Carbon Filter, One-layer HEPA Filter)	E		
1.8 m (6 ft)	6	ADC-E Custom (Double-layer HEPA Filter, No Carbon)	E-C		

Save Expensive Lab Ventilation Costs and Energy

	Comparison between Conventional Fume Hood and Ductless Fume Hood					
			Conventional Ducted Hood	Ductless Fume Hood (Integrated Fan & Filter)	Remarks	
	А	Ductwork	US\$ 1500	None	Efficient carbon filtration system means potentially complex ducting systems are not required.	
Initial Capital	В	External Exhaust Blower	US\$ 2200	None	Compact integrated fan is sufficient to overcome the pressure drops across carbon filters.	
Costs	С	Make-up Air System	US\$ 2000	None	No exhaust means conditioned air is not drawn out of the lab. Expensive make-up air system with chiller/ heater and dehumidifier is not required.	
	Ne	t Initial Capi	tal Cost Savings: US\$ 57	700		
	D	External Exhaust Blower	US\$ 2000	None	Energy requirements for small integrated blower is significantly less than that of large external exhaust	
Annual	E	Integrated Exhaust Blower	None	US\$ 100	blower.	
Running Costs	F	Make-up Air System	US\$ 3000	None	Conventional fume hoods consistently draw conditioned air out, giving rise to high energy consumption of makeup air system.	
	G	Carbon Filter	None	US\$ 600	Assuming this is ADC-4B2 with two Type-A carbon filters, and moderate use requiring filters change once a year.	
	Net Annual Running Cost Savings: US\$ 4300					



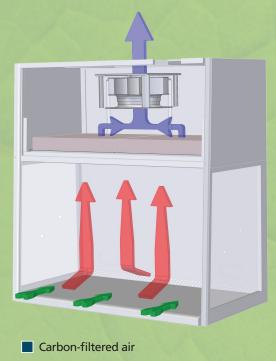
Note: Numerical figures are estimates based on US average weather conditions and commercial sector energy prices for a 6' (1.8 m) hood operating for 24 hrs a day at nominal hood opening and 100 fpm (0.5 m/s) face velocity. Figures provide a guide and differ in individual situations. (Evan Mills, Dale Sartor (2003), Energy use and savings potential for laboratory fume hoods).



Ascent™ Max Ductless Fume Hood, ADC Models

Cabinet Filtration System

- The inflow moves from the ambient environment into the work zone through the hood front opening with an average velocity of 80 fpm (0.4 m/s).
- Negative pressure is maintained within the main chamber of the hood to ensure that no chemical fumes or vapors escape the work zone.
- Air is taken through a pre-filter and activated carbon mounted in the interior of the hood. The carbon filter removes all fumes from the exhaust air stream and filtered clean air is exhausted directly back to the room.



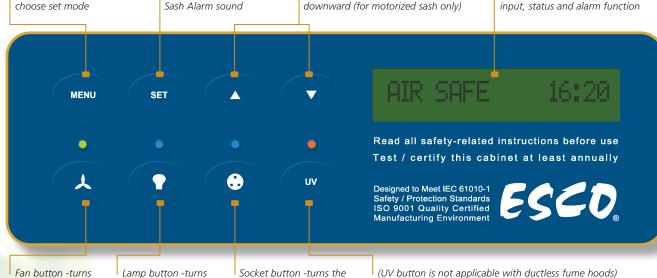
- Unfiltered / potentially contaminated air
- Room air / Inflow air

Esco Sentinel™ Silver Microprocessor Control System

the lamp on and off

Menu button - access the menu screen to change settings, admin pin, perform calibration and choose set mode Set/Mute button - choose the menu or sub-menu displayed on the LCD screen - enables/ disables Up and Down arrow buttons - selects the menu options -increase and decrease value inside menu options -moves the sash window upward and downward (for motorized sash only)

LCD Display -graphical interface indicates hood performance. Displays digital read-out with alpha-numeric display indicates all input, status and alarm function



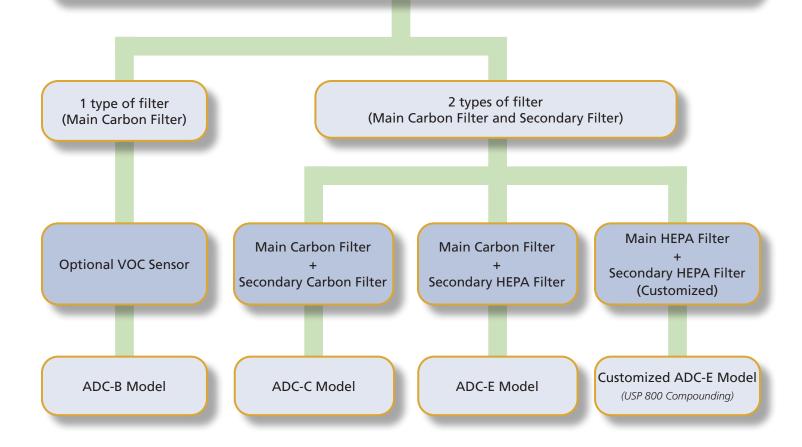
electrical socket on and off - The maximum rating of all the outlets in the cabinet is 5 A.

Ascent™ Max

the fan on and off

Esco Ductless Fume Hood

This type of fume hood is suitable for applications involving transfer of chemicals, titration, sample preparation, weighing, extraction and experiments with no forced or with minimal evaporation. This is usually preferred because of the hassle-free installation and of its plug and play feature.



Not sure on the quantity of filter?

Fill out our FiltraCheck™Form

and let us do the work!

https://www.escolifesciences.com/form/filtracheck-form

FiltraCheck™ is now available in iOS and Android!

Get the real-time recommendation of the appropriate

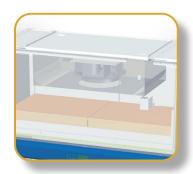
fume hood models and filters.





Esco Ascent™ Max Ductless Fume Hood

Provides Operator and Environment Protection



Centrifugal Fan

- Permanently lubricated fans are energy efficient with external rotor motor design that reduces operating
- Extremely low noise and low vibration level





Robust Hood Construction

Key components including Fluorescent Lamps, Motor Capacitor, Electrical Harness, Electronic Ballast, and Switch Control are mounted outside the airstream and away from contaminated areas to permit easy service.



6

Nanocarb™ Activated **Carbon Filters**

- Optimized retention capacity
- Diffusion technology to ensure even filter loading
- Efficient perimeter clamping ensures no leakage as well as allows easy filter change procedure.



 Electro galvanized steel wall for superior durability



Work Top

- 1.5 mm, 16 gauge, type 304 stainless steel 4B finish
- Easy to clean, corrosion and chemical resistant makes it an ideal worktop for experiments



Standards Compliance ANSI / ASHRAE 110-1995, USA BS 7258, UK AFNOR NF X 15-203, France EN14175.3, Europe

Chemical Fume Containment

BS 7989 - 2001, UK AFNOR NF X 15-211, France

Filter Efficiency

UL-61010-1, USA/Canada CAN/CSA-22.2, No.61010-1 EN-61010-1, Europe IEC61010-1, Worldwide

Electrical Safety

Rear Walls



Sentinel™ Silver Microprocessor Control, Alarm System

 Advanced microprocessor control supervises operation of all hood functions. Temperature-compensated air velocity sensor monitors airflow.
 24-hour clock and blower run hour meter are standard.

Optional VOC Sensor



 Detects presence of volatile organic compounds in the exhaust and alarms to indicate filter saturation



Sash Window

3° sloped front allows easy access to work zone
 enhancing ergonomics, eliminating operator fatigue and increasing productivity

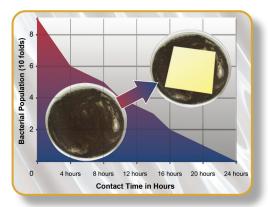


Auto Purge Slots

 Improves containment and operator protection by preventing accumulation of fumes in the work zone



- Silver-ion impregnated powder coat
- Inhibit microbial growth to improve safety



Support Stand

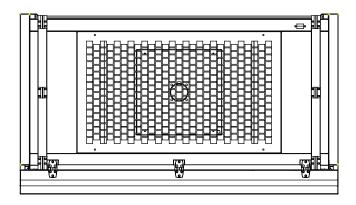
- Made from durable material to support a maximum weight of 500-600 Kg (1102 - 1322 lbs)
- Available in two options: leveling feet (STL) and caster wheels (STC)

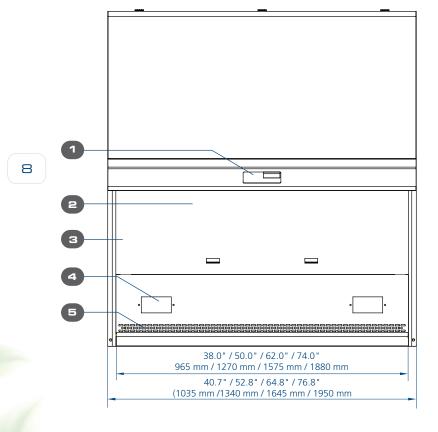


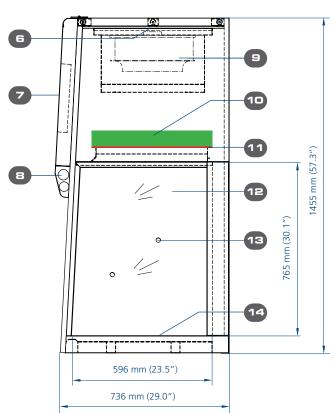


Ascent-MAX

Model ADC-_B2, Ascent™ Max Ductless Fume Hood Engineering Drawing



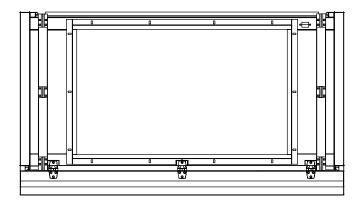


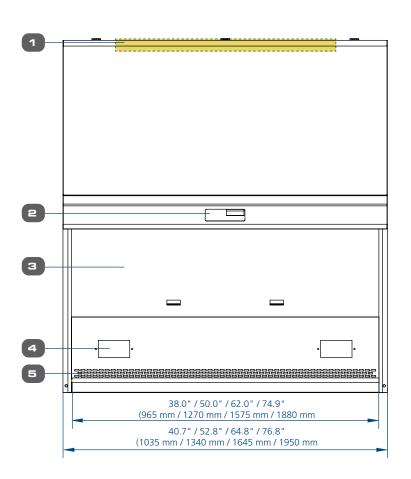


- 1. Esco Sentinel™ Silver Microprocessor Control System
- 2. Tempered Glass Sliding Sash Window
- 3. E.G. Steel Back wall
- 4. Optional EO-HA Single Electrical Outlet (max 5A combined for max 2 outlets)
- 5. AutoPurge™ Slots
- 6. Optional VOC sensor
- 7. Electrical Panel

- 8. Fluorescent Lamps
- 9. Fan
- 10. Main Carbon filter
- 11. Prefilter (built inside the carbon filter)
- 12. Tempered Glass Sides
- 13. Service Fixture Retrofit Kit Provision (2 on each side)
- 14. Stainless Steel Worktop

Model ADC-_C2, Ascent™ Max Ductless Fume Hood Engineering Drawing (with Secondary Backup Carbon Filter)





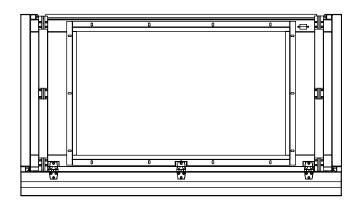
145 mm (57.0")

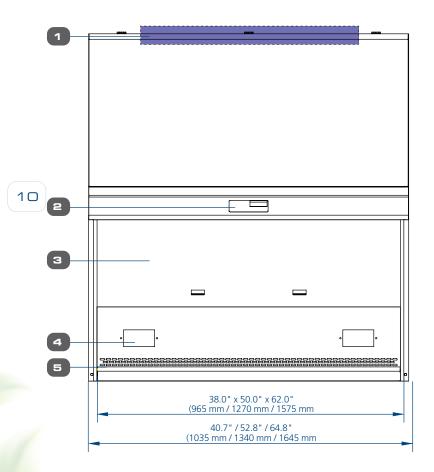
- 1. Secondary Exhaust Carbon Filter
- 2. Esco Sentinel™ Silver Microprocessor Control System
- 3. Tempered Glass Sliding Sash Window
- 4. Optional EO-HA Single Electrical Outlet (max 5A combined for max 2 outlets)
- 5. AutoPurge™ Slots
- 6. Optional VOC sensor
- 7. Electrical Panel

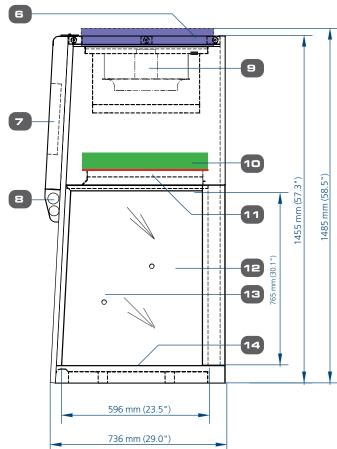
- 8. Fluorescent Lamps
- 9. Fan
- 10. Main Carbon Filter
- 11. Pre-filter (built inside the carbon filter)
- 12. Tempered Glass Sides
- 13. Service Fixture Retrofit Kit Provision (2 on each side)
- 14. Stainless Steel Worktop



Model ADC-_E2, Ascent™ Max Ductless Fume Hood Engineering Drawing (with Secondary HEPA Filter)







- 1. HEPA Filter
- 2. Esco Sentinel™ Silver Microprocessor Control System
- 3. Tempered Glass Sliding Sash Window
- 4. Optional EO-HA Single Electrical Outlet (max 5A combined for max 2 outlets)
- 5. AutoPurge™ Slots
- 6. Optional VOC sensor
- 7. Electrical Panel

- 8. Fluorescent Lamps
- 9. Fan
- 10. Main Carbon Filter
- 11. Pre-filter (built inside the carbon filter)
- 12. Tempered Glass Side
- 13. Service Fixture Retrofit Kit Provision (2 on each side)
- 14. Stainless Steel Worktop

Biseries ADC-SID ADC	External Dimensions (W x D x H) (Aux D x H) (Bound Emission (W x D x H) (Aux D x H) (Bound Emission (Bluorescent Light Intensity (Aux D x H) (Bluorescent Light Intensity (1035 x 736 x 1455 mm (40.7" x 29.0 x 57.3") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 55 dBA 175 kg (386 lbs) 205 kg (452 lbs) 1130 x 840 x 1750 mm (44.5" x 33.0" x 68.9") mps (FLA) 3.5 FLA) ower 238 W 812 ADC-3C2 1035 x 736 x 1460 mm (40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) >1130 x 840 x 1750 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) Disposable, non-Activated C C Series - Activate C C Series - Activate C C Series - Activate C C Series - HEPA to C B series) 1.2 mm (0.0	1340 x 736 x 1455 mm (52.8 " x 29.0" x 57.3") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 57 dBA >1000 lux (>93 225 kg (496 lbs) 261 kg (575 lbs) 1410 x 840 x 1750 mm (55.5" x 33.0" x 68.9") A 5 275 W 938 ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	1645 x 736 x 1455 mm (64.8" x 29.0" x 57.3") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 57 3 foot-candles) 245 kg (540 lbs) 320 kg (705 lbs) 1730 x 840 x 1750 mm (68.1" x 33.0" x 68.9") 4 A 315 W 1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 4 430 W 1467 ADC-5E2	1950 x 736 x 1455 mm (76.8" x 29.0" x 57.3") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") dBA 293 kg (646 lbs) 380 kg (838 lbs) 2050 x 840 x 1750 mm (80.7" x 33.0" x 68.9") 1 A 345 W 1177 ADC-6C2 1950 x 736 x 1460 mm (76.8 " x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
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South Street St	Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz, 1Ø Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR C Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity (x) Net weight Shipping Weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz, 1Ø Cabinet BTU/HR E Series External Dimensions (W x D x H) Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity (x) Esternal Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity (x) Net weight Shipping Dimensions Cabinet BTU/HR E Series External Dimensions (W x D x H) Cabinet BTU/HR Cabinet BTU/HR Fre-filter Shipping Dimensions Cabinet Full Load Amps (FLA) Cabinet Nominal Power Cabinet BTU/HR Fre-filter Standard Filtration Elements Fre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Main Body	175 kg (386 lbs) 205 kg (452 lbs) 1130 x 840 x 1750 mm (44.5" x 33.0" x 68.9") mps (FLA) 3.5 FLA) ower 238 W 812 ADC-3C2 1035 x 736 x 1460 mm (40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 5115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) Ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate C C Series - Activate E Series - HEPA for the Activated C C Series - Activate E Series - HEPA for the Activated C C Series - Activate E Series - HEPA for the Activated C C Series - Activate E Series - HEPA for the Activated C	57 dBA >1000 lux (>9: 225 kg (496 lbs) 261 kg (575 lbs) 1410 x 840 x 1750 mm (55.5" x 33.0" x 68.9") A 5 275 W 938 ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	57 3 foot-candles) 245 kg (540 lbs) 320 kg (705 lbs) 1730 x 840 x 1750 mm (68.1" x 33.0" x 68.9") 4 A 315 W 1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 430 W 1467 ADC-5E2	293 kg (646 lbs) 380 kg (838 lbs) 2050 x 840 x 1750 mm (80.7" x 33.0" x 68.9") A 345 W 1177 ADC-6C2 1950 x 736 x 1460 mm (76.8" x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
Fluorescent Light Intensity	Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz,1Ø C Series External Dimensions External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz,1Ø Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (A4 Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity (A0 Cabinet BTU/HR E Series External Dimensions (A4 Cabinet BTU/HR E Series External Dimensions (A4 Cabinet BTU/HR Cabinet BTU/HR Ferefilter Shipping Dimensions (A4 Cabinet Full Load Amps (FLA) Cabinet BTU/HR Cabinet BTU/HR Fre-filter Shipping Dimensions (A4 Cabinet BTU/HR Cabinet BTU/HR Fre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Main Body	175 kg (386 lbs) 205 kg (452 lbs) 1130 x 840 x 1750 mm (44.5" x 33.0" x 68.9") mps (FLA) 3.5 FLA) Ower 238 W 812 ADC-3C2 1035 x 736 x 1460 mm (40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) Ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 5115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) Ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate C C Series - Activate E Series - HEPA for the Activated C C Series - Activate E Series - HEPA for the Activated C C Series - Activate E Series - HEPA for the Activated C	>1000 lux (>9) 225 kg (496 lbs) 261 kg (575 lbs) 1410 x 840 x 1750 mm (55.5" x 33.0" x 68.9") A 5 275 W 938 ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	3 foot-candles) 245 kg (540 lbs) 320 kg (705 lbs) 1730 x 840 x 1750 mm (68.1" x 33.0" x 68.9") 4 A 315 W 1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 430 W 1467 ADC-5E2	293 kg (646 lbs) 380 kg (838 lbs) 2050 x 840 x 1750 mm (80.7" x 33.0" x 68.9") 1 A 345 W 1177 ADC-6C2 1950 x 736 x 1460 mm (76.8" x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
Stipping Weight 175 kg (388 lb) 225 kg (496 lb) 230 kg (496 lb) 330 kg (49	Net weight Shipping Weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz, 10 Optional Outlets (FLA) Cabinet BTU/HR C Series External Dimensions (W x D x H) (40 Minus Merce) Sound Emission Fluorescent Light Intensity (20 Minus Merce) Fluorescent Light Intensity (30 Minus Merce) Fluorescent Light Intensity (40 Minus Merce) Fluorescent Light Intensity (40 Minus Merce) Fluorescent Light Intensity (40 Minus Merce) Fluorescent Light Intensity (50 Minus Merce) Fluorescent Light Intensity (60 Minus Merce) Fluore	205 kg (452 lbs) 1130 x 840 x 1750 mm (44.5" x 33.0" x 68.9") mps (FLA) 3.5 FLA) ower 238 W 812 ADC-3C2 1035 x 736 x 1460 mm (40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 512 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) Ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate C C Series - HEPA for all control of the cont	261 kg (575 lbs) 1410 x 840 x 1750 mm (55.5" x 33.0" x 68.9") A 5 275 W 938 ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	320 kg (705 lbs) 1730 x 840 x 1750 mm (68.1 " x 33.0" x 68.9") 4 A 315 W 1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 4 430 W 1467 ADC-5E2	380 kg (838 lbs) 2050 x 840 x 1750 mm (80.7" x 33.0" x 68.9") 4 A 345 W 1177 ADC-6C2 1950 x 736 x 1460 mm (76.8 " x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
Shipping Dimensions	Shipping Dimensions [113 (44) [110-120 VAC, 60 Hz, 10] [Cabinet Full Load Amps (FLA) [Cabinet BTU/HR [Cabinet Full Load Amps (FLA) [Cabinet Full Load Amps (FLA) [Cabinet BTU/HR [Cabinet	1130 x 840 x 1750 mm (44.5" x 33.0" x 68.9") mps (FLA) ower 238 W 812 ADC-3C2 1035 x 736 x 1460 mm (40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 516 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate C C Series - HEPA for the contraction of the c	1410 x 840 x 1750 mm (55.5" x 33.0" x 68.9") A 5 275 W 938 ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	1730 x 840 x 1750 mm (68.1" x 33.0" x 68.9") 4 315 W 1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 430 W 1467 ADC-5E2	2050 x 840 x 1750 mm (80.7" x 33.0" x 68.9") 4 A 345 W 1177 ADC-6C2 1950 x 736 x 1460 mm (76.8" x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
Cabinet Hall Load Amps (FLA)	Electrical 110-120 VAC, 60 Hz, 100 Electrical 110-120 VAC, 60 Hz, 100 C Series External Dimensions (W × D × H) Internal Work Area (W × D x H) Sound Emission Fluorescent Light Intensity Electrical 110-120 VAC, 60 Hz, 100 Electrical 110-120 VAC, 60 Hz, 100 Electrical 110-120 VAC, 60 Hz, 100 External Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (W × D × H) Internal Work Area (W × D × H) Sound Emission Fluorescent Light Intensity (x) External Dimensions (x) Ex	(44.5" x 33.0" x 68.9") mps (FLA) ower 238 W 812 ADC-3C2 1035 x 736 x 1460 mm (40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 516 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate C C Series - HEPA for a contractive of the contr	(55.5" x 33.0" x 68.9") A 5 275 W 938 ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	(68.1" x 33.0" x 68.9") A 315 W 1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") A 430 W 1467 ADC-5E2	(80.7" x 33.0" x 68.9") A 345 W 1177 ADC-6C2 1950 x 736 x 1460 mm (76.8" x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") A 473 W			
Description Control Outlets (ELA)	Electrical 110-120 VAC, 60 Hz, 10 Cabinet Nominal Power Cabinet BTU/HR C Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions (W x D x H) Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Internal Work Area (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity (Sabinet Nominal Power Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions (Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Full Load Amps (FLA) Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR General Spectral Spectral Full Coad Amps (FLA) Cabinet BTU/HR Fre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body	FLA) ower 238 W 812 ADC-3C2 1035 x 736 x 1460 mm (40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) Ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate C C Series - HEPA for a contraction of the contraction of t	5 275 W 938 ADC-4C2 1340 × 736 × 1460 mm (52.8" × 29.0" × 57.5") 1268 × 596 × 765 mm (50.0" × 23.5" × 30.1") BA >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 × 840 × 1750 mm (57.1" × 33.1" × 68.9") A 5 355 W 1211 ADC-4E2 1340 × 736 × 1485 mm (52.8" × 29.0" × 58.5") 1268 × 596 × 765 mm (50.0" × 23.5" × 30.1") BA	A 315 W 1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") A 430 W 1467 ADC-5E2	345 W 1177 ADC-6C2 1950 x 736 x 1460 mm (76.8 " x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
10-120 VAC, Cabriet BTUWIR S12 938 1075 1177	110-120 VAC, 60 Hz, 10 Cabinet Nominal Power Cabinet BTU/HR C Series External Dimensions (W x D x H) (40 Min Body Hood External Dimensions (10 Min Min Body Hood External Dimensions (10 Min Min Body Hood Cabinet BTU/HR C Series External Dimensions (10 Min Min Body Hood External Dimensions (10 Min Min Min Body Hood External Dimensions (10 Min Min Min Body Hood External Dimensions (10 Min Min Body Hood External Dimensions (10 Min Min Min Body Hood External Dimensions (11 Min Min Min Min Body Hood External Dimensions (10 Min Min Min Min Body Hood External Dimensions (10 Min Min Min Min Body Hood External Dimensions (10 Min	Sample	275 W 938 ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") BA >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") BA	315 W 1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") A 430 W 1467 ADC-5E2	1177 ADC-6C2 1950 x 736 x 1460 mm (76.8 " x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
Cabinet Nominal Prover 238 W 275 W 315 W 345	Cabinet Nominal Power Cabinet BTU/HR C Series External Dimensions (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz, 1Ø Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity (x) Net weight Shipping Weight Shipping Weight Shipping Weight Shipping Weight Shipping Umensions Fluorescent Light Intensity (x) Cabinet Full Load Amps (FLA) (44 (40 (40 (40 (40 (40 (40 (4	## ADC-3C2 ## 1035 x 736 x 1460 mm ## (40.7" x 29.0" x 57.5") ## 965 x 596 x 765 mm ## (38.0" x 23.5" x 30.1") ## 60 d > 1141 lux ## (> 106 foot-candles) ## 175 kg (386 lbs) ## 253 kg (558 lbs) ## 130 x 840 x 1750 mm ## (44.5" x 33.1" x 68.9") ## 3.5 ## ADC-3E2 ## 1035 x 736 x 1485 mm ## (40.7" x 29.0" x 58.5") ## 965 x 596 x 765 mm ## (38.0" x 23.5" x 30.1") ## 61 d > 1115 lux ## (> 104 foot-candles) ## 175 kg (386 lbs) ## 216 kg (476 lbs) ## 130 x 840 x 1750 mm ## (44.5" x 33.1" x 68.9") ## 3.5 ## FLA) ## Ower ## 269 W ## 918 ## General Specifications, Ascent** ## Disposable, non-Activated C ## C Series - Activated C ## C Series - Activated C ## C Series - HEPA for a continuation of the continuati	938 ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	1075 ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 430 W 1467 ADC-5E2	1177 ADC-6C2 1950 x 736 x 1460 mm (76.8 " x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
C Series	External Dimensions (W x D x H) (40 Internal Work Area (W x D x H) (38 Sound Emission Fluorescent Light Intensity (38 Shipping Weight Shipping Dimensions (113 Electrical 110-120 VAC, 60 Hz, 10) (20 External Dimensions (W x D x H) (40 Internal Work Area (W x D x H) (40 Sound Emission Fluorescent Light Intensity (20 External Dimensions (W x D x H) (40 Internal Work Area (W x D x H) (38 Sound Emission Fluorescent Light Intensity (20 Net weight Shipping Weight Shipping Weight Shipping Weight Shipping Dimensions (112 Cabinet Full Load Amps (FLA) (38 Sound Emission Fluorescent Light Intensity (20 Net weight Shipping Weight Shipping Dimensions (112 Cabinet Full Load Amps (FLA) (24 Cabinet Full Load Amps (FLA) (24 Cabinet Nominal Power (24 Cabinet BTU/HR General Special Special Standard (24 Filtration Elements (24 Main filter* Secondary Filter (25 Main filter* Secondary Filter (25 Main Filter (25 Main Filter (25) Main Body Hood	ADC-3C2 1035 × 736 × 1460 mm (40.7" × 29.0" × 57.5") 965 × 596 × 765 mm (38.0" × 23.5" × 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 × 840 × 1750 mm (44.5" × 33.1" × 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 × 736 × 1485 mm (40.7" × 29.0" × 58.5") 965 × 596 × 765 mm (38.0" × 23.5" × 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 × 840 × 1750 mm (44.5" × 33.1" × 68.9") mps (FLA) 5130 × 840 × 1750 mm (44.5" × 33.1" × 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activated C C Series - Activated C C Series - HEPA for the control of	ADC-4C2 1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	ADC-5C2 1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 430 W 1467 ADC-5E2	ADC-6C2 1950 x 736 x 1460 mm (76.8 " x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 4 A			
1055 r 7.56 r 1460 mm	External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Weight Shipping Weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) (44 (45 (46 Cabinet Full Load Amps (FLA) (58 Cabinet Full Load Amps (FLA) Cabinet Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Cabinet Full Load Amps (FLA) Cabinet BTU/HR Fre-filter Standard Filtration Elements Cabinet BTU/HR General Spec Cabinet BTU/HR Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body	1035 x 736 x 1460 mm (40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 70 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 715 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) Ower 269 W 918 General Specifications, Ascent TM Disposable, non-Activated C C Series - Activated C C Series - Activated E Series - HEPA for the control of the contro	1340 x 736 x 1460 mm (52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") BA >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") BA	1645 x 736 x 1460 mm (64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 430 W 1467 ADC-5E2	1950 x 736 x 1460 mm (76.8 " x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9")			
W. Y. D. H. (40.7" x 29.0" x 57.5")	Internal Work Area (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Weight Shipping Weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) (38 38 Cabinet Full Load Amps (FLA) Cabinet Rominal Power (38 Cabinet Full Load Amps (FLA) Cabinet Standard Filtration Electrical 110-120 VAC, 60 Hz, 10 Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR General Spec Standard Filtration Elements Fre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body	(40.7" x 29.0" x 57.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 3.5 FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent TM Disposable, non-Activated C C Series - Activated B series) 1.2 mm (0.0	(52.8" x 29.0" x 57.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") BA >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") BA	(64.8" x 29.0" x 57.5") 1575 x 596 x 765 mm (62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 430 W 1467 ADC-5E2	(76.8 " x 29.0" x 57.5") 1880 x 596 x 765 mm (74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9")			
Sound Emission	(W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) (38 Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Umensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR General Special Special Standard Filtration Elements Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body	(38.0" x 23.5" x 30.1") 60 d >1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 3.5 FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent TM Disposable, non-Activated C C Series - Activated B series) 1.2 mm (0.0	(50.0" x 23.5" x 30.1") 3A >1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	(62.0" x 23.5" x 30.1") 61 dBA >1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 430 W 1467 ADC-5E2	(74.0" x 23.5" x 30.1") 62 dBA >1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 473 W			
State Sta	Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (M x D x H) Internal Work Area (M x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) (38 Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR General Special Standard Filtration Elements Standard Filtration Elements Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	>1141 lux (>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activated C C Series - HEPA for the control of the co	>1397 lux (>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	>1141 lux (>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 A 430 W 1467 ADC-5E2	>1060 lux (>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9")			
Net weight 175 kg (386 lbs) 225 kg (496 lbs) 245 kg (540 lbs) 293 kg (646 lbs) 293 kg (647 lbs) 398 kg (677 lbs) 2020 x 840 x 1750 mm (68.9° x 33.1° x 68.9°) (79.5° x 33.1° x 68.	Net weight Shipping Weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz, 1Ø E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz, 1Ø Cabinet Full Load Amps (FLA) (38 Sound Emission Fluorescent Light Intensity Net weight Shipping Dimensions (A4 Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR General Spec Standard Filtration Elements Fre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	(>106 foot-candles) 175 kg (386 lbs) 253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 3.5 FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activated C C Series - HEPA for the control of the co	(>130 foot-candles) 225 kg (496 lbs) 336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	(>106 foot-candles) 245 kg (540 lbs) 336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 4 430 W 1467 ADC-5E2	(>99 foot-candles) 293 kg (646 lbs) 398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 473 W			
Shipping Weight 253 kg (558 lbs) 336 kg (741 lbs) 398 kg (877	Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (M x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR General Special Standard Filtration Elements Free-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	253 kg (558 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 3.5 FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activated C C Series - HEPA for the control of	336 kg (741 lbs) 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	336 kg (741 lbs) 1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 4 430 W 1467 ADC-5E2	398 kg (877 lbs) 2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") 473 W			
Shipping Weight	Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR E Series External Dimensions (M x D x H) Internal Work Area (M x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Full Load Amps (FLA) Cabinet BTU/HR General Special Standard Filtration Elements Free-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood Cabinet Full Load Amps (FLA) Airflow Airflow Velocity Airflow alarm Main Body Main Body	1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate C C Series - HEPA for the control of	1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	1750 x 840 x 1750 mm (68.9" x 33.1" x 68.9") 4 A 430 W 1467 ADC-5E2	2020 x 840 x 1750 mm (79.5" x 33.1" x 68.9") A 473 W			
Cabinet Full Load Amps (FLA) 3.5 A	Electrical 110-120 VAC, 60 Hz, 1Ø External Dimensions External Dimensions (A4) E Series External Dimensions (M x D x H) Internal Work Area (M x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions (A4) Cabinet Full Load Amps (FLA) (Basinet Full Load Amps (FLA) (Cabinet BTU/HR General Special Standard Filtration Elements Free-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	(44.5" x 33.1" x 68.9") mps (FLA) ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate B series) 1.2 mm (0.0	(57.1" x 33.1" x 68.9") A 5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	(68.9" x 33.1" x 68.9") 4 A 430 W 1467 ADC-5E2	(79.5" x 33.1" x 68.9") A 473 W			
Cabinet Full Load Amps (FLA) 3.5 A	Electrical 110-120 VAC, 60 Hz, 1Ø External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Electrical 110-120 VAC, 60 Hz, 1Ø Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet BTU/HR General Spec Standard Filtration Elements Fre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	mps (FLA) 75 FLA) 75 FLA) 76 FLA) 77 SEPTION SEPTI	5 355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	4 430 W 1467 ADC-5E2	473 W			
110-120 VAC 60 Hz, 100 Cabinet Norminal Power 270 W 355 W 430 W 473 W	110-120 VAC, 60 Hz, 10 Cabinet Nominal Power Cabinet BTU/HR E Series External Dimensions (W x D x H) (40 Mz D x	ower 270 W 921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate C C Series - HEPA f	355 W 1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1")	430 W 1467 ADC-5E2				
Cabinet Norminal Power	Cabinet Nominal Power Cabinet BTU/HR E Series External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Electrical 110-120 VAC, 60 Hz, 1Ø Cabinet Full Load Amps (FLA) Cabinet Nominal Power Cabinet BTU/HR General Spectory Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	921 ADC-3E2 1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate B series) 1.2 mm (0.0	1211 ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	1467 ADC-5E2				
Cabinet BTU/HR 921 1211 1467 1614	Cabinet BTU/HR E Series External Dimensions (W x D x H) (40 Internal Work Area (W x D x H) (38 Sound Emission Fluorescent Light Intensity (58 Net weight Shipping Weight Shipping Dimensions (113 (44 Cabinet Full Load Amps (FLA) (10-120 VAC, 60 Hz, 10) Cabinet BTU/HR Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	ADC-3E2 1035 × 736 × 1485 mm (40.7" × 29.0" × 58.5") 965 × 596 × 765 mm (38.0" × 23.5" × 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 × 840 × 1750 mm (44.5" × 33.1" × 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate E Series - HEPA f	ADC-4E2 1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1")	ADC-5E2	1614			
External Dimensions	External Dimensions (W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) FLA) ower 269 W 918 General Specifications, Ascent TM Disposable, non-Activated C C Series - Activated S E Series - HEPA f 1.2 mm (0.0	1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1")					
W x D x H (40.7" x 29.0" x 58.5") (52.8" x 29.0" x 58.5") (76.8" x 29.0" x 58.5") (76.0" x 23.5" x 30.1") (76.0" x 23.5" x 30.1" x 33.5" x 30.1") (76.0" x 23.5" x 30.1" x 33.5" x 30.1" (76.0" x 23.5" x 30.1" x 33.5" x	(W x D x H) Internal Work Area (W x D x H) Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	(40.7" x 29.0" x 58.5") 965 x 596 x 765 mm (38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 3.5 FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activated C C Series - HEPA f 1.2 mm (0.0	(52.8" x 29.0" x 58.5") 1268 x 596 x 765 mm (50.0" x 23.5" x 30.1") 3A	4645 706 4405	ADC-6E2			
Wx D x H (38.0" x 23.5" x 30.1") (50.0" x 23.5" x 30.1") (62.0" x 23.5" x 30.1") (74.0" x 23.5" x 30.1")	Sound Emission Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	(38.0" x 23.5" x 30.1") 61 d >1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) 3.5 FLA) ower 269 W 918 General Specifications, Ascent TM Disposable, non-Activated C C Series - Activated S B series) 1.2 mm (0.0	(50.0" x 23.5" x 30.1") 3A					
Shipping Weight 175 kg (386 lbs) 225 kg (496 lbs) 245 kg (540 lbs) 293 kg (646 lbs) 293 kg (648 lbs) 293 kg (646 lbs) 293 kg (646 lbs) 293 kg (648	Fluorescent Light Intensity Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR Standard Filtration Flements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	>1115 lux (>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate E Series - HEPA f						
Net weight 175 kg (386 lbs) 225 kg (496 lbs) 245 kg (540 lbs) 293 kg (646 lbs)	Net weight Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Electrical 110-120 VAC, 60 Hz, 10 Cabinet Nominal Power Cabinet BTU/HR General Spec Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	(>104 foot-candles) 175 kg (386 lbs) 216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non-Activated C C Series - Activate E Series - HEPA f	>1107 lux	62 dBA	62 dBA			
Shipping Weight 216 kg (476 lbs) 274 kg (604 lbs) 335 kg (739 lbs) 398 kg (877 lbs) 1130 x 840 x 1750 mm	Shipping Weight Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR General Spec Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	216 kg (476 lbs) 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non- Activated C C Series - Activate E Series - HEPA f	(>103 foot-candles)					
Shipping Dimensions 1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") 1450 x 840 x 1750 mm (57.1" x 33.1" x 68.9") (68.9" x 33.1" x 68.9") (79.5" x 33.1" x 68.9") (79.	Shipping Dimensions Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	1130 x 840 x 1750 mm (44.5" x 33.1" x 68.9") mps (FLA) ower 269 W 918 General Specifications, Ascent™ Disposable, non- Activated C C Series - Activat E Series - HEPA f	225 kg (496 lbs)	245 kg (540 lbs)	293 kg (646 lbs)			
Cabinet Full Load Amps (FLA) Cabinet Nominal Power Cabinet BTU/HR Standard Filtration Elements Pre-filter Main filter* Cabinet Full Load Amps (FLA) Cabinet Nominal Power Cabinet BTU/HR Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter) Main filter* Cabinet BTU/HR Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter) Main filter* Cabinet RTU/HR Pre-filter Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter) Main filter* Cabinet RTU/HR Pre-filter Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter) Secondary Filter (not applicable for B series) Cabinet Full Load Amps (FLA) Cabinet RTU/HR Pre-filter Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter) Activated Carbon with Granular Media bed (8 different filter types available, codes A-H) E Series - Activated Carbon with Granular Media bed (8 different filter types available, codes A-H) E Series - HEPA filter, typical efficiency of >99.99% at 0.3 microns, removes particles and aerosols Inflow Airflow Velocity Airflow alarm Yes Main Body Side Walls Tempered Glass Tempered Glass Tempered Glass	Cabinet Full Load Amps (FLA) Pre-filter Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Cabinet Full Load Amps (FLA) Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR General Special Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body	mps (FLA) mps (FLA) The series of the ser	274 kg (604 lbs)	335 kg (739 lbs)	398 kg (877 lbs)			
Optional Outlets (FLA) Cabinet Nominal Power Cabinet BTU/HR 918 1068 1140 1187 General Specifications, Ascent™ Max Ductless Fume Hood (B, C, and E series) Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Hood Construction Optional Outlets (FLA) Cabinet Nominal Power 269 W 313 W 334 W 348 W 34 W 348 W	Electrical 110-120 VAC, 60 Hz, 1∅ Cabinet Nominal Power Cabinet BTU/HR General Spec Standard Filtration Elements Elements Inflow Airflow Velocity Airflow alarm Optional Outlets (FLA) Cabinet BTU/HR General Spec Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Main Body	General Specifications, Ascent TM Disposable, non- Activated C C Series - Activat E Series - HEPA f						
The standard Filtration Elements The standard Filtration Elements The standard Filtration	110-120 VAC, 60 Hz, 1Ø Cabinet Nominal Power Cabinet BTU/HR General Spector Standard Filtration Elements Pre-filter Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body	General Specifications, Ascent TM Disposable, non- Activated C C Series - Activat E Series - HEPA to	3.5 A					
Cabinet Nominal Power Cabinet BTU/HR 918 1068 1140 1187 Cabinet BTU/HR 918 1068 1140 1187 Cabinet BTU/HR 918 1068 1140 1187 Cabinet BTU/HR Pre-filter Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter) Main filter* Activated Carbon with Granular Media bed (8 different filter types available, codes A-H) Secondary Filter (not applicable for B series) C Series - Activated Carbon with Granular Media bed (8 different filter types available, codes A-H) E Series - HEPA filter, typical efficiency of >99.99% at 0.3 microns, removes particles and aerosols Inflow Airflow Velocity O.40 m/s - 0.6 m/s (80-120 fpm) Airflow alarm Yes Main Body 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide™ antimicrobial powder coated finish Tempered Glass 1.5 mm (0.06") 16 gauge stainless steel type 304 with AR finish	Cabinet Nominal Power Cabinet BTU/HR General Spector Standard Filtration Elements Inflow Airflow Velocity Airflow alarm Cabinet Nominal Power Cabinet BTU/HR General Spector Main filter* Secondary Filter (not applicable for B series) Main Body Hood	918 General Specifications, Ascent™ Disposable, non- Activated C C Series - Activat E Series - HEPA f 1.2 mm (0.0	5	A				
Standard Filtration Elements Pre-filter Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter) Activated Carbon with Granular Media bed (8 different filter types available , codes A-H) Secondary Filter (not applicable for B series) Inflow Airflow Velocity O.40 m/s - 0.6 m/s (80-120 fpm) Airflow alarm Main Body 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide™ antimicrobial powder coated finish Tempered Glass 1.5 mm (0.06") 16 gauge staipless steel, type 304, with AB finish	Standard Filtration Elements Inflow Airflow Velocity Airflow alarm Main Body Fre-filter Main filter* Secondary Filter (not applicable for B series) Main Body Hood	General Specifications, Ascent TM Disposable, non- Activated C C Series - Activat E Series - HEPA f 1.2 mm (0.0	313 W	334 W	348 W			
Pre-filter Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter) Main filter* Activated Carbon with Granular Media bed (8 different filter types available , codes A-H) Secondary Filter (not applicable for B series) C Series - Activated Carbon with Granular Media bed (8 different filter types available , codes A-H) E Series - Activated Carbon with Granular Media bed (8 different filter types available , codes A-H) E Series - HEPA filter, typical efficiency of >99.99% at 0.3 microns, removes particles and aerosols O.40 m/s - 0.6 m/s (80-120 fpm) Yes Main Body Main Body 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide™ antimicrobial powder coated finish Tempered Glass 1.5 mm (0.06") 16 gauge stainless steel type 304 with AR finish	Standard Filtration Elements Inflow Airflow Velocity Airflow alarm Pre-filter Main filter* Secondary Filter (not applicable for B series) Main Body Hood	Disposable, non- Activated C C Series - Activat B series) E Series - HEPA 1	1068	1140	1187			
Main filter* Activated Carbon with Granular Media bed (8 different filter types available , codes A-H) Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Main Body Main Body Airflow Walls Main Body Activated Carbon with Granular Media bed (8 different filter types available , codes A-H) E Series - Activated Carbon with Granular Media bed (8 different filter types available , codes A-H) C Series - Activated Carbon with Granular Media bed (8 different filter types available , codes A-H) E Series - HEPA filter, typical efficiency of >99.99% at 0.3 microns, removes particles and aerosols 0.40 m/s - 0.6 m/s (80-120 fpm) Yes 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide™ antimicrobial powder coated finish Tempered Glass 1.5 mm (0.06") 16 gauge stainless steel type 304 with AR finish	Standard Filtration Elements Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body	Activated C C Series - Activate B series) E Series - HEPA 1	ral Specifications, Ascent™ Max Ductless Fume Hood (B, C, and E series)					
Filtration Elements Main filter* Secondary Filter (not applicable for B series) Inflow Airflow Velocity Activated Carbon with Granular Media bed (8 different filter types available, codes A-H) E Series - Activated Carbon with Granular Media bed (8 different filter types available, codes A-H) E Series - Activated Carbon with Granular Media bed (8 different filter types available, codes A-H) E Series - HEPA filter, typical efficiency of >99.99% at 0.3 microns, removes particles and aerosols O.40 m/s - 0.6 m/s (80-120 fpm) Yes Main Body 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide™ antimicrobial powder coated finish Side Walls Tempered Glass	Filtration Elements Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Hood	C Series - Activat B series) E Series - HEPA to 1.2 mm (0.0	Disposable, non-washable polyester fibre, 85% arrestance, EU3 rated (built inside the carbon filter)					
Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body Construction Secondary Filter (not applicable for B series) Series - Activated Carbon with Granular Media bed (8 different filter types available, codes A-H) (B Series - HEPA filter, typical efficiency of >99.99% at 0.3 microns, removes particles and aerosols 0.40 m/s - 0.6 m/s (80-120 fpm) Yes 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide™ antimicrobial powder coated finish Side Walls Tempered Glass 1.5 mm (0.06") 16 gauge staipless steel type 304 with 4R finish	Elements Secondary Filter (not applicable for B series) Inflow Airflow Velocity Airflow alarm Main Body	B series) E Series - HEPA to the series and the series are series are series and the series are se	7 21 7					
Airflow alarm Yes Main Body 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide™ antimicrobial powder coated finish Tempered Glass 1.5 mm (0.06") 16 gauge stainless steel type 304 with 4R finish	Airflow alarm Main Body		1					
Hood Construction Main Body 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide™ antimicrobial powder coated finish Tempered Glass 1.5 mm (0.06") 16 gauge stainless steel type 304 with 4R finish	Main Body		0.40 m/s - 0.6 m	n/s (80-120 fpm)				
Hood Construction Side Walls Tempered Glass 1.5 mm (0.06") 16 gauge staipless steel type 304 with 4R finish	Hood		Ye	es				
Construction Side Walls Lempered Glass 1.5 mm (0.06") 16 gauge stainless steel, type 304, with 4R finish	Hood							
1.5 mm (0.06") 16 gauge stainless steel type 304, with 4R finish	SIGE WASIIS		Tempere	ed Glass				
Work Top Upgrades available: Epoxy	Work Top		1.5 mm (0.06") 16 gauge stainless steel, type 304, with 4B finish Upgrades available: Epoxy					
Sash Type Vertical Sliding	Sash Type							
Material Tempered Glass								
· · · · · · · · · · · · · · · · · · ·			3°					
Sash Sloping 3°	Sash Sloping		10" (254 mm)					
			17.3" (440 mm)					



Support Stands



• Support Stand with Caster Wheels (STC)

- Nominal range 660 mm to 880 mm (26" to 34.6")
- Adjustable in 25.4 mm (1") increments.
- Durable polyurethane caster wheels with 360 degree horizontal rotation.
- Brake system on front wheels.
- Maximum weight supported: 600 kg (1323 lbs)



Support Stand with Leveling Feet (STL)

- Nominal range 26" to 36" or 660 mm to 914 mm.
- Maximum weight supported: 600 kg (1323 lbs)



• Base Cabinet with Caster Wheels (BCC)

- Maximizes storage space in the laboratory; convenient for solvents, acids and other laboratory chemicals.
- Includes an adjustable white powder-coated steel shelf
- Industrial-grade support structure constructed of electro-galvanized steel and abrasion resistant ovenbaked powder-coated finish
- Durable polyurethane caster wheels with 360 degree horizontal rotation
- Brake system on front wheels
- Maximum weight supported: 600kg (1323 lbs)

Electrical Outlets and Utility Fittings



• Electrical Outlets

- Direct-mounted, Optional EO-HA Single Electrical Outlet.
- May be field installed.
- Maximum current draw: 5 Amp for all outlets combined.



VOC Sensor

- Optional VOC Sensor may be installed to monitor the chemical concentration at the hood exhaust.
- The microprocessor control will activate audible / visual alarms if high concentrations of chemical vapors are detected.



• Factory-Installed Service Fixtures

- Polypropylene drip-cup sink.
- Epoxy coated swan-neck faucet.
- Factory installed; specify when ordering.



Retrofit Kit[™] Service Fixtures

- Universal service fixtures for air / water / vacuum / gas.
- May be field installed.

1		Nanocarb™ Filter Options
Code	Name	Suitable Applications
A	Standard Filter	All common laboratory chemicals, especially with organics. When no specific requirements are present, or when more than one type of chemical is used.
В	Acid Filter	Applications involving sulphur dioxide, hydrofluoric acid fumes. Removes inorganic / organic acid vapors and fumes.
		Highly effective for removal of mercury vapor and compounds (Stable

		inorganic / organic acid vapors and tumes.
С	Mercury Compounds Filter	Highly effective for removal of mercury vapor and compounds. (Stable, non-volatile mercuric sulphide filter media).
D	Sulphur Compounds Filter	Removal of sulphur compounds.
E	Halogen Compounds Filter	Removal of halogen compounds like Chlorine, Fluorine, Iodine, Bromine, Astatine etc.
F	Aldehyde Filter	Formaldehyde applications or when aldehydes are present. Hospital pathology and endoscopy applications.

H Chloroform / Ether Removal of Chloroform, Isoflurane and various types of Ether compounds such as diethyl ether.

Optional HEPA Filter
(ADC-_E_ Models Only)

HEPA filter with a typical efficiency of 99.99% removes particulates and aerosols. Ductless fume hoods with HEPA filters are suitable for cleanroom applications, or may be used as a Class I Biological Safety Cabinet.





Check the carbon filter absorption every 3 months by using gas detection tubes or portable chemical sensor, and ensure that the chemical ppm above cabinet filter is below OSHA PEL limit.



Ammonia / Amines Filter

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Esco Micro Pte. Ltd. • 21 Changi South Street 1 • Singapore 486 777 Tel +65 6542 0833 • mail@escolifesciences.com www.escolifesciences.com

Esco Technologies, Inc. • 903 Sheehy Drive, Suite F, Horsham, PA 19044, USA Tel: +1 215-441-9661 • Fax 484-698-7757 eti.admin@escolifesciences.com

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High performance removal of ammonia/amines by chemisorption.