# Airstream.

E-MAIL : bio.seli@wanadoo.fr

**Class II Biological Safety Cabinets** 

The World's Most Energy Efficient, Quiet, and Compact Biosafety Cabinet



Airstream

A

EN12469

Model AC2-4E\_.

Airstream Class II, Biosafety Cabinet,

NEW!



- Easy to clean
- Optional pre-filter can be fitted



Esco Airstream Class II has been certified by PHE / Public Health England (formerly HPA) for compliance to EN 12469

Biological Safety Cabinets • Class II Biological Safety Cabinets

Airstream

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# **Airflow Sensor**

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- Monitors real-time airflow for safety
- Alert the user if airflow is insufficient

stream

# **Energy Efficient ECM Motor**

- The most energy efficient Class II Biosafety Cabinet in the world 70% Energy savings compared to AC motor
- Stable airflow, despite building voltage fluctuations & filter loading
- Night Setback mode to further reduce power consumption by 60%





# **ULPA Filter**

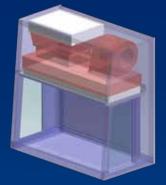
- = 10x Filtration efficiency of HEPA filter
- Creates ISO Class 3 work zone instead of industry-standard ISO Class 5

Positive pressureNegative pressure

(%) 7	Гуріса	l Pei	net	rat	ior										
0.0010			200							1000		1	1	1	1
0.0008	_		_								-		-		
0.0006	_	$\vdash$	_			-			-		-		+		
0.0004			_								_		_		-
0.0002			••	• • •	•••	•••	•••	• •		••	-				
		••													
0	0.05	0.	10	0	.15	0	.20	C	.25	- (	0.30	C	0.40	0	.50
	-	3.0	100		Par	ticl	e Si	ize	[µn	n]					

**Dynamic Chamber** 

- Blower plenum and side walls (AC2-S and AC2-D variant)
- Prevent contaminants from escaping outside



Esco cabinets use ULPA filters (per

instead of H13 HEPA filters used on many BSCs in the market.

HEPA filters only offer 99.99% typical efficiency at 0.3 micron, while ULPA filters provide 99.999% typical efficiency for particle sizes of 0.1 to 0.3 micron.

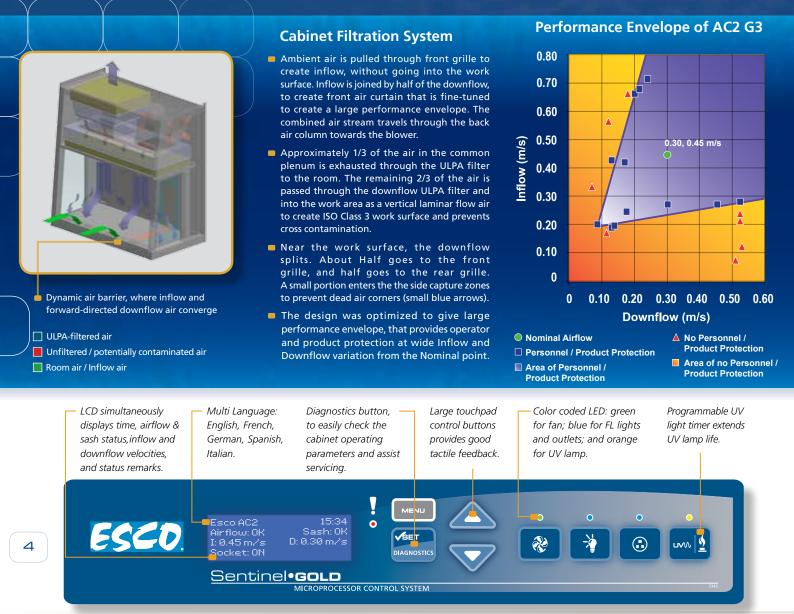
# Isocide Powder Coat

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



	Biosafety Cabinets	Air Quality	Filtration	Electrical Safety
Standards Compliance	EN 12469, Europe SANS12469, South Africa	ISO 14644.1, Class 3, Worldwide JIS B9920, Class 3, JapanJIS BS5295, Class 3, Japan	EN-1822 (H14), Europe IEST-RP-CC001.3, USA IEST-RP-CC007, USA IEST-RP-CC034.1, USA	IEC61010-1, Worldwide EN-61010-1, Europe UL-C-61010-1, USA CAN/ CSA22.2, No.61010-1





# **Accessories and Options**

Esco offers a variety of options and accessories to meet local applications. Contact Esco or your local Sales Representative for ordering information.

#### Support Stands

- Fixed height, available 711 mm (28") or 864 mm (34"), with leveling feet or casters
- Telescoping height, with leveling feet, 660 mm to 960 mm (26" to 37.8"), 25 mm (1") increment
- Telescoping height, with casters, 660 mm to 880 mm (26" to 34.6"), 25 mm (1") increment
- Electric adjustable height, 711 mm to 864 mm (28" to 34"), with leveling feet or casters

#### **Electrical Outlets**

- European / Worldwide style
- Available in Type C, D, E, F, G, H, I
- North American style
- European / Worldwide style

#### **Cabinet Accessories**

- Germicidal UV lamp, 253.7 nm wave, with timer to optimize lamp life and specific species exposure need
- PVC arm rest, for operator comfort, easy-to-clean. 712 mm (28") size.
- Ergonomic lab chair, laboratory grade, ISO Class 5 rated; alcohol resistant, 395 to 490 mm (15.6" to 19.3") height.
- Ergonomic foot rest, for proper posture, adjustable height, anti-skid coating, chemical resistant finish.
- Stainless steel IV bar with hooks, max load 6 Kg (13 lbs) total.

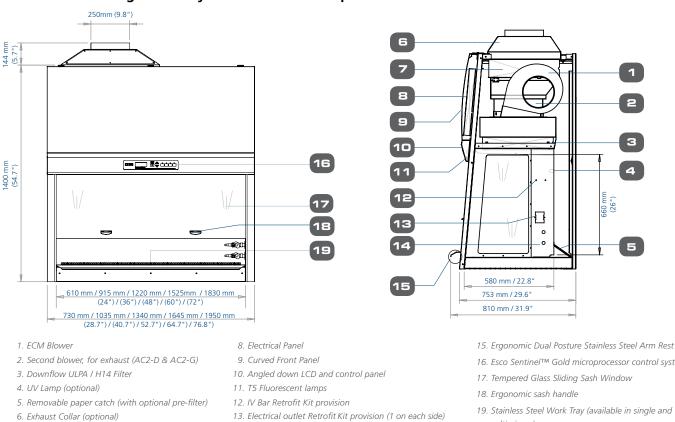


AC2-S variant, with stainless steel side wall and single piece recessed tray

# Airstream

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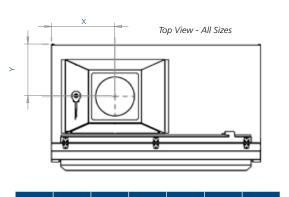
# Model AC2 Biological Safety Cabinet Technical Specifications



- 7. Exhaust ULPA / H14 Filter
- - 14. Service Fixture Retrofit Kit Provision (2 on each side)
- 16. Esco Sentinel™ Gold microprocessor control system
- multi pieces)

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# **Optional Exhaust Collar Positions for Thimble-Ducting for AC2 Models**



Size	2	3	4	5	6	ft
Size	0.6	0.9	1.2	1.5	1.8	m
х	233	331	408	560	560	mm
Y	334	334	334	334	326	
х	9.2	13	16	22	22	inches
Y	13.1	13.1	13.1	13.1	12.8	incries

Ai	Pı rstream <sub>®</sub> Offers tl	utting Your Need he Most Complet		Range
Airstream Product	E-Series	G-Series	S-Series	D-Series
Side Wall		es Visibility and Prevents eriencing a "Boxed-In"	Corners for Cleanabili	ss Steel with Coved ty. Side Capture Zones e Side Walls Optimize
Work Tray	Multi-Piece,	Autoclavable	Single-Piece Stainless	s Steel, Spill Retaining
Fan System	Single blower for Inflow and Downflow. Energy Efficient and Cost Effective	Dual blowers for Inflow and downflow. Redundant System Provides Protection in Case of Fan Failure	Single blower for Inflow and Downflow. Energy Efficient and Cost Effective	Dual blowers for Inflow and downflow. Redundant System Provides Protection in Case of Fan Failure
Exhaust Filter	Single ULPA Filter >99.999% Efficient, Cost Effective	Dual ULPA Filters, >100.000x Better Protection than Single Filter System	Single ULPA Filter >99.999% Efficient, Cost Effective	Dual ULPA Filters, >100.000x Better Protection than Single Filter System
Size Available	0.6 m (2'), 0.9 m (3'), 1.2 m (4'), 1.5 m (5'), 1.8 m (6')	1.2 m (4'), 1.8m (6')	0.6 m (2'),0.9 m (3'), 1.2 m (4'), 1.5 m (5'), 1.8 m (6')	1.2 m (4'), 1.8 m (6')

# **Comprehensive Performance Testing At Esco**



Every Airstream AC2 model manufactured by Esco is individually tested, documented by serial number and validated with the following test methods.

- Inflow and downflow velocity
- PAO aerosol challenge for filter integrity
- Airflow pattern visualization
- Electrical safety to IEC61010-1
- Additional KI-Discus containment and microbiological testing are performed on statistical sampling basis.



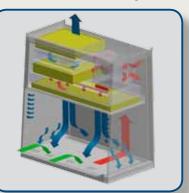


		TECHNICAI		NS		
Glass Side: 230 V,	50/60 Hz	AC2-2E8	AC2-3E8	AC2-4E8	AC2-5E8	AC2-6E8
Glass Side: 115 V,	50/60 Hz	AC2-2E9	AC2-3E9	AC2-4E9	AC2-5E9	AC2-6E9
Stainless Steel Sid	le: 230 V, 50/60 Hz	AC2-258	AC2-358	AC2-458	AC2-5S8	AC2-658
Stainless Steel Sid	le: 115 V, 50/60 Hz	AC2-2S9	AC2-3S9	AC2-4S9	AC2-5S9	AC2-6S9
Nominal Size		2 ft / 0.6m	3 ft / 0.9 m	4 ft / 1.2 m	5 ft / 1.5 m	6 ft / 1.8 m
	Width	730 mm (28 ¾")	1035 mm (40 ¾ ")	1340 mm (52 ¾ ")	1645 mm (64 ¾ ")	1950 mm (76 ¾")
External Dimensions	Depth without arm rest		1	753 mm (29 ½")	1	1
W x D x H)	Depth with arm rest			810 mm (32")		
	Height			1400 mm (54 ¾")		
	Width	610 mm (24")	915 mm (36")	1220 mm (48")	1525 mm (60")	1830 mm (72")
Gross Internal Dimensions	Depth		1	580 mm (22 ¾")	1	1
W x D x H)	Height			660 mm (26")		
Jsable Work Area		0.27 m <sup>2</sup> (2.9 ft2)	0.42 m <sup>2</sup> (4.5 sq.ft.)	0.56 m <sup>2</sup> (6.1 sq.ft.)	0.71 m <sup>2</sup> (7.63 sq.ft.)	0.86 m² (9.2 sq.ft.)
Tested Opening			1	175 mm (7")	1	I
Norking Opening				190 mm (7 ½")		
Average Airflow	Inflow			0.45 m/s (90 fpm)		
Velocity	Downflow			0.30 m/s (60 fpm)		
	Inflow	173 cmh (102 cfm)	259 cmh (152 cfm)	346 cmh (204 cfm)	432 cmh (254 cfm)	519cmh (305 cfm)
	Downflow	369 cmh (217 cfm)	553 cmh (325 cfm)	738 cmh (434 cfm)	922 cmh (543 cfm)	1107 cmh (657 cfm
	Exhaust	173 cmh (102 cfm)	259 cmh (152 cfm)	346 cmh (204 cfm)	432 cmh (254 cfm)	519cmh (305 cfm)
Airflow Volume	Required Exhaust With Optional Thimble Exhaust Collar	260 m³ /h (153 cfm)	320 m³ /h (189 cfm)	538 m³ /h (317 cfm)	615 m³ /h (362 cfm)	823 m³ /h (485 cfm
	Static Pressure For Optional Thimble Exhaust Collar	28 Pa / 0.11 in H <sub>2</sub> O	29 Pa / 0.11 in H <sub>2</sub> O	31 Pa / 0.12 in H <sub>2</sub> O	35 Pa / 0.14 in H <sub>2</sub> O	47 Pa / 0.18 in H <sub>2</sub> C
			>99.999% at 0.1 to 0	.3 micron, ULPA as per I	IEST-RP-CC001.3 USA	
ULPA Filter Typical Effic	liency		>99.999%	at MPPS, H14 as per El	N 1822 EU	
	NSF / ANSI 49	56.3	56.6	58.7	58.2	59.4
Sound Emission*	EN 12469	51.0	52.0	53.5	53.6	55.7
-luorescent Lamp Inten	nsity (lux)	859	1279	1404	1227	1384
-luorescent Lamp Inten	nsity (ft-cd)	80	119	130	114	129
	Main body	1.	2 mm (0.05") 18 gauge epoxy-polyester Is	e electro-galvanized stee ocide antimicrobial pov		ed
Cabinet Construction	Work Zone		1.5 mm (0.06") 16 g	auge stainless steel, typ	e 304, with 4B finish	
	Side Walls (E and G Series)		UV absorbing tempered	d glass, 5 mm (0.2 "), co	lorless and transparent	
	Side Walls (S and D Series)	0.9 mm (0.035") 2	20 gauge stainless steel,	type 304 and 1.2 mm	(0.05") 18 gauge electr	o-galvanized steel
Electrical	Cabinet Full Load Amps (FLA)	1.8	3.5	3.7	4.3	5.5
	Heat Load (BTU / Hr)	324	447	580	717	966
Nominal Power Consun	nption (W)	95	131	160	210	283
Net Weight **		116 Kg (256 lbs)	173 Kg (381 lbs)	230 Kg (507 lbs)	288 Kg (635 lbs)	346 Kg (763 lbs)
Shipping Weight **		143 Kg (315 lbs)	214 Kg (472 lbs)	285 Kg (628 lbs)	356 Kg (785 lbs)	428 Kg (944 lbs)
Shipping Dimensions, Maximum (W x D x H) r	nm**	850 x 820 x 1760	1120 x 820 x 1760	1450 x 820 x 1760	1720 x 820 x 1760	2050 x 820 x 1760
Shipping Volume, Maxi		1.23 m <sup>3</sup>	1.62 m³	2.09 m <sup>3</sup>	2.48 m <sup>3</sup>	2.96 m <sup>3</sup>

Noise reading in open field condition / anechoic chamber. Noise reading in normal room varies by room size, layout, and background noise, but may reach roughly 3-4 dBA above these values.
\*\* Cabinet only, excludes optional stand.

Glass Side: 230 V, 50/60 Hz     AC2-4G8     AC2-6G8       Stainless Steel Side: 230 V, 50/60 Hz     AC2-4D8     AC2-6D8       Nominal Size     4ft/1.2 m     6ft/1.8 m       Nominal Size     4ft/1.2 m     6ft/1.8 m       External Dimensions (W x D x H)     Width     1340 mm (52 ¾*)     1950 mm (76 ¾*)       Depth without arm rest     753 mm (29 ½*)     Depth without arm rest     810 mm (32 *)       Height     1400 mm (54 ¾*)     1830 mm (72 *)       Depth with arm rest     880 mm (22 ¾*)     1830 mm (72 *)       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Tested Opening     190 mm (7 ½*)     190 mm (7 ½*)       Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)     0.30 m/s (60 fpm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)       Downflow     738 cmh (1254 cfm)     519 cmh (881 cfm)
Nominal Size     4ft / 1.2 m     6ft / 1.8 m       Ketternal Dimensions (W × D × H)     Width     1340 mm (52 ¾")     1950 mm (76 ¾")       Depth without arm rest $753 mm (29 ½")$ Depth without arm rest $810 mm (52 ¾")$ Depth with arm rest $810 mm (52 ¾")$ Depth without arm rest $810 mm (29 ½")$ Depth with arm rest $810 mm (54 ¾")$ Depth $32 mm (78 №)$ Depth       Gross Internal Dimensions (W × D × H)     Width     1220 mm (48")     1830 mm (72")       Dimensions (W × D × H)     Depth $580 mm (25 №)$ Depth       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Tested Opening     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Velocity     Inflow     0.45 m/ (9.0 sq.ft.)       Average Airflow Velocity     Inflow     0.45 m/ (9.0 sq.ft.)       Downflow     0.30 m/s (60 fpm)     Downflow       Inflow     346 cmh (588 cfm)     519 cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Width     1340 mm (52 ¾")     1950 mm (76 ¾")       Depth without arm rest     753 mm (29 ½")       Depth with arm rest     810 mm (32 ")       Height     1400 mm (52 ¾")       Width     1200 mm (48 ")       Width     1220 mm (48 ")       Dimensions (W × D × H)     Width       Dimensions (W × D × H)     Depth       Height     0.56 m² (6.1 sq.ft.)       Usable Work Area     0.56 m² (6.1 sq.ft.)       Usable Work Area     0.56 m² (6.1 sq.ft.)       Versige Airflow Velocity     Inflow       Inflow     0.45 m/2 (9.0 sq.ft.)       Downflow     0.30 m/5 (60 fpm)       Inflow     0.30 m/5 (60 fpm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
External Dimensions (W × D × H)Depth without arm rest $753 \text{ mm} (29 \frac{1}{2} \text{ m})$ Depth with arm rest $810 \text{ mm} (32 \text{ m})$ Height $1400 \text{ mm} (54 \frac{3}{4} \text{ m})$ Gross Internal Dimensions (W × D × H)Width $1220 \text{ mm} (48 \text{ m})$ Bepth $1830 \text{ mm} (72 \text{ m})$ Depth $580 \text{ mm} (22 \frac{3}{4} \text{ m})$ Usable Work Area $0.56 \text{ m}^2 (6.1 \text{ sq. ft.})$ Usable Work Area $0.56 \text{ m}^2 (6.1 \text{ sq. ft.})$ Vorking Opening $190 \text{ mm} (7 \frac{1}{2} \text{ m})$ Average Airflow velocityInflow $0.45 \text{ m/s} (90 \text{ fpm})$ Downflow $0.30 \text{ m/s} (60 \text{ fpm})$ Inflow $346 \text{ cmh} (588 \text{ cfm})$ Downflow $1107 \text{ cmh} (1880 \text{ cfm})$
External Dimensions (W × D × H)Depth with arm rest $810 \text{ mm} (32^{\circ})$ Depth with arm rest $810 \text{ mm} (54 \ 34^{\circ})$ Gross Internal Dimensions (W × D × H)Width $1220 \text{ mm} (48^{\circ})$ $1830 \text{ mm} (72^{\circ})$ Depth $580 \text{ mm} (22 \ 34^{\circ})$ $1830 \text{ mm} (72^{\circ})$ $1830 \text{ mm} (72^{\circ})$ Usable Work Area $0.56 \text{ m}^2 (6.1 \text{ sq.ft.})$ $0.86 \text{ m}^2 (9.0 \text{ sq.ft.})$ Usable Work Area $0.56 \text{ m}^2 (6.1 \text{ sq.ft.})$ $0.86 \text{ m}^2 (9.0 \text{ sq.ft.})$ Vorking Opening $1175 \text{ mm} (7^{\circ})$ Average Airflow velocityInflow $0.45 \text{ m/s} (90 \text{ fpm})$ Downflow $0.30 \text{ m/s} (60 \text{ fpm})$ Inflow $346 \text{ cmh} (588 \text{ cfm})$ $519 \text{ cmh} (881 \text{ cfm})$ Downflow $738 \text{ cmh} (1254 \text{ cfm})$ $1107 \text{ cmh} (1880 \text{ cfm})$
Depth With anniest     Storm(52 *)       Height     1400 mm (54 ¾*)       Gross Internal Dimensions (W x D x H)     Width     1220 mm (48*)     1830 mm (72*)       Depth     580 mm (22 ¾*)     1830 mm (72*)       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Tested Opening     175mm (7*)       Working Opening     190 mm (7 ½*)       Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)     0.30 m/s (60 fpm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Gross Internal Dimensions (W x D x H)     Width     1220 mm (48")     1830 mm (72")       Depth     580 mm (22 ¾")     1830 mm (72")       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Vorking Opening     175mm (7")       Working Opening     190 mm (7 ½")       Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)       Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Gross Internal Dimensions (W x D x H)     Depth     580 mm (22 ¾")       Height     580 mm (22 ¾")       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Tested Opening     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Working Opening     175mm (7")       Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)       Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Dimensions (W × D × H)     Depth     580 mm (22 ¾")       Height     660 mm (26 ")       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Tested Opening     175mm (7")       Working Opening     190 mm (7 ½")       Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)       Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Height     660 mm (26")       Usable Work Area     0.56 m² (6.1 sq.ft.)     0.86 m² (9.0 sq.ft.)       Tested Opening     175mm (7")       Working Opening     190 mm (7 ½")       Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)       Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Tested Opening     175mm (7")       Working Opening     190 mm (7 ½")       Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)       Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Working Opening     190 mm (7 ½*)       Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)       Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Average Airflow Velocity     Inflow     0.45 m/s (90 fpm)       Downflow     0.30 m/s (60 fpm)       Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Average Airriow Velocity     Downflow     0.30 m/s (60 fpm)       Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Inflow     346 cmh (588 cfm)     519cmh (881 cfm)       Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Downflow     738 cmh (1254 cfm)     1107 cmh (1880 cfm)
Exhaust 346 cmb (588 cfm) 519 cmb (881 cfm)
Airflow Volume
Airriow volume     Required Exhaust With Optional Thimble Exhaust Collar     538 m³ /h (317 cfm)     823 m³ /h (485 cfm)
Static Pressure For Optional Thimble Exhaust Collar31 Pa / 0.12 in H2O47 Pa / 0.18 in H2O
>99.999% at 0.1 to 0.3 micron, ULPA as per IEST-RP-CC001.3 USA ULPA Filter Typical Efficiency
>99.999% at MPPS, H14 as per EN 1822 EU
Sound Emission* NSF / ANSI 49 61.3 dBA 62.5 dBA
EN 12469 58.3 dBA 59.5 dBA
Fluorescent Lamp Intensity (lux) 1400
Fluorescent Lamp Intensity (ft-cd) 130
Main body 1.2 mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester Isocide antimicrobial powder-coated finish
Work Zone     1.5 mm (0.06") 16 gauge stainless steel, type 304, with 4B finish
Side Walls (E-Series) UV absorbing tempered glass, 5 mm (0.2"), colorless and transparent
Side Walls (S-Series)0.9 mm (0.035") 20 gauge stainless steel, type 304 and 1.2 mm (0.05") 18 gauge electro-galvanized steel
Electrical     Cabinet Full Load Amps (FLA)     9.6 A     11.0 A
Heat Load (BTU / Hr)     905     1230
Nominal Power Consumption 265 W 360 W
Net Weight **     240 Kg (529 lbs)     366 Kg (807 lbs)
Shipping Weight **     295 Kg (650 lbs)     448 Kg (988 lbs)
Shipping Dimensions, Maximum (W x D x H) mm**     1450 x 820 x 1760     2050 x 820 x 1760
Shipping Volume, Maximum **     2.09 m³     2.96 m³

# **AC2-D** Airflow Diagram



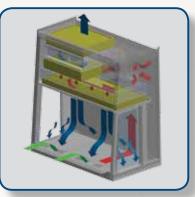
ULPA-filtered air

Unfiltered / potentially contaminated air

Room air / Inflow air

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# **AC2-G Airflow Diagram**



ULPA-filtered air

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

Noise reading in open field condition / anechoic chamber. Noise reading in normal room varies by room size, layout, and background noise, but may reach roughly 3-4 dBA above these values.
\*\* Cabinet only, excludes optional stand.



# **ESCO GLOBAL NETWORK**





ART Equipment Biological Safety Cabinets CO<sub>2</sub> Incubators Compounding Pharmacy Equipment Containment / Pharma Products Ductless Fume Hoods Freeze Dryer Lab Animal Research Products Laboratory Fume Hoods Laboratory Ovens and Incubators Laminar Flow Clean Benches PCR Cabinets PCR Thermal Cyclers Powder Weighing Balance Enclosures Ultra-Iow Freezers

The Esco Group of Companies is a global life sciences tools provider with sales in over 100 countries. The group is active in lab equipment, pharma equipment and medical devices. Manufacturing facilities are located in Asia and Europe. R&D is conducted worldwide spanning the US, Europe and Asia. Sales, service and marketing subsidiaries are located in 12 major markets including the US, UK, Singapore, Japan, China and India. Regional distribution centers are located in the US, UK, and Singapore.

Life Science • Chemical Research • Assisted Reproductive Technology (ART) • Pharmaceutical Equipment • General Equipment



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