



Horizontal Laminar Flow Cabinet
Model LHG-4



Vertical Laminar Flow Cabinet
Model LVG-4

Airstream®

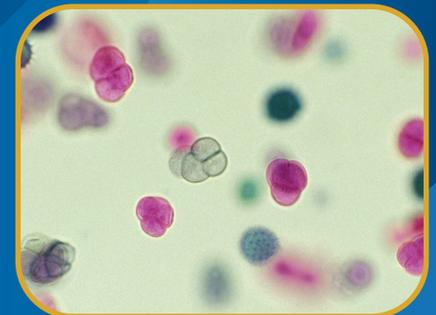
Laminar Flow Cabinet, Horizontal and Vertical

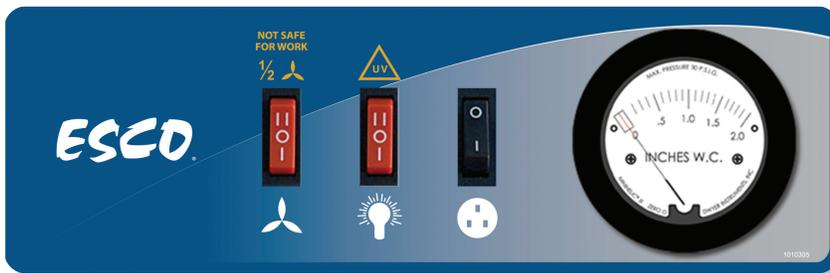
The Leading Solution for Research Laboratories

More product variants and sizes to suit more applications and user preferences

KEY BENEFITS:

- **Energy-Efficient DC ECM Blower. ONLY 155 Watts!! (for 4 ft size)**
and with Standby Mode for more energy saving
- **World's Leading Low Noise Laminar Flow Cabinet**
- **Stable and Self-compensating Flow**
- **Isocide™ Powder-coated**
- **ULPA Filter (up to ISO Class 3)**
- **With Real-time Airflow Monitoring**





Airflow Sensor*

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

*for Sentinel Gold Controller



Rocker Switches and Pressure Gauge

- Easy-to-use switches
- Displays filter loading status
- Standby mode switch for more energy savings



Sentinel™ Gold Microprocessor Controller

- Displays all safety information on one screen
- Standby mode switch to further save energy
- Programmable UV timer to extend UV lamp life

Ergonomic Control Panel Location

- Located on the center and angled down
- ADA-Compliant



Work Top

- The spill-retaining work top design with a recessed central area contains accidental liquid spills.



Guide to Models

L H - - -															
1st Placeholder Product Line	2nd Placeholder Flow	3rd Placeholder Side Wall		4th Placeholder Width		5th Placeholder Internal Height		6th Placeholder Control		7th Placeholder Window		8th Placeholder Electrical			
Laminar Flow	L	Horizontal	H	Glass	*G	2 feet	2	2 feet	A	Simple Switches Standard	S	Fixed	F	115 VAC, 50 / 60 Hz	9
				Stainless Steel	S	3 feet	3	2.5 feet	B	Sentinel™ Gold	G				
						4 feet	4	3 feet	***C						
						5 feet	5								
						6 feet	6								
						**8 feet	8								

* Glass side is only available for 2 ½ feet (B) internal height Example Code: LHG-4BS-F9

Specifications: Laminar flow cabinet, Horizontal Flow, Glass sided walls, 4 feet width, 2.5 feet internal height, Simple Switches controller, Fixed window and 115 VAC, 50/60 Hz

**8 feet width is only available for 3 feet (C) internal height Example Code: LHS-8CS-F9

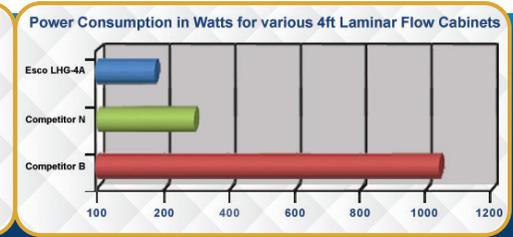
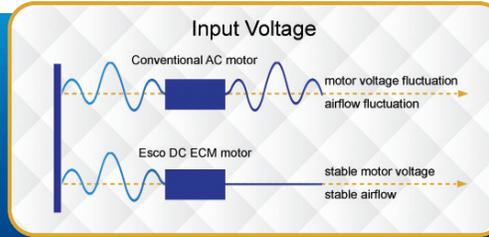
Specifications: Laminar flow cabinet, Horizontal Flow, Stainless steel sided walls, 8 feet width, 3 feet internal height, Simple Switches controller, Fixed window and 115 VAC, 50/60 Hz

***3 feet internal height is only available for stainless steel sided walls AND 4 feet, 6 feet or 8 feet width Example Code: LHS-4CS-F9

Specifications: Laminar flow cabinet, Horizontal Flow, Stainless steel sided walls, 4 feet width, 3 feet internal height, Simple Switches controller, Fixed window and 115 VAC, 50/60 Hz

Energy Efficient DC ECM Blower

- Powered by latest generation DC ECM, that is more efficient than legacy ECM and VFD motors
- 70% Energy savings compared to AC motor
- Stable airflow, despite building voltage fluctuations & filter loading
- Standby mode to further reduce power consumption by 60%



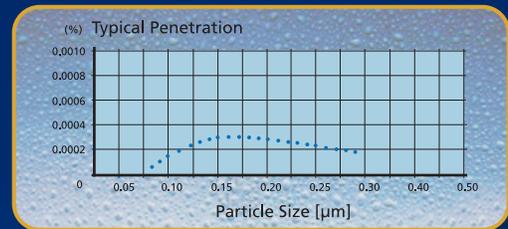
Quiet Operation

- World's leading low noise laminar flow cabinet
- Comfortable low noise at 55 dBA
**LHG-4B in open field condition*
- Reduces fatigue and improves work concentration



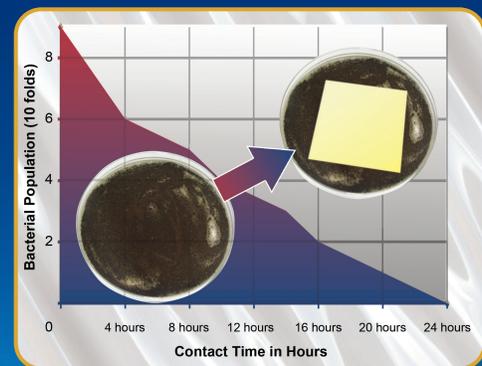
ULPA Filter

- 10x Filtration efficiency of HEPA filter Creates ISO Class 3 work zone instead of industry-standard ISO Class 5
- 10x Cleaner work zone than cabinets with HEPA filter



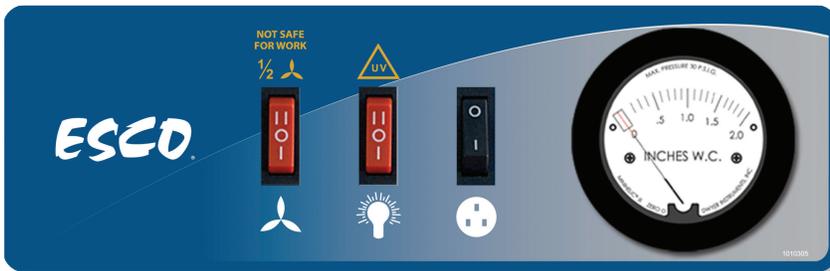
ISOCIDE™ Powder Coat

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



Airstream® Horizontal Laminar Flow Cabinet, Model LHG-B
Available in 3', 4', 5', and 6' models.

	Cabinet Performance	Air Quality	Filtration	Electrical Safety
Standards Compliance	IEST-RP-CC002.2, Worldwide	ISO 14644.1, Class 4, Worldwide AS 1386 Class 2.5, Australia JIS B9920, Class 4, Japan	EN-1822 (H14), Europe IEST-RP-CC001.3, Worldwide IEST-RP-CC007, Worldwide IEST-RP-CC034.1, Worldwide	IEC61010-1, Worldwide EN 61010-1, Europe UL61010-1, USA CAN/CSA-22.2, No.61010-1



Airflow Sensor*

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

*for Sentinel Gold Controller



Rocker Switches and Pressure Gauge

- Easy-to-use switches
- Displays filter loading status
- Standby mode switch for more energy savings



Sentinel™ Gold Microprocessor Controller

- Displays all safety information on one screen
- Standby mode switch to further save energy
- Programmable UV timer to extend UV lamp life

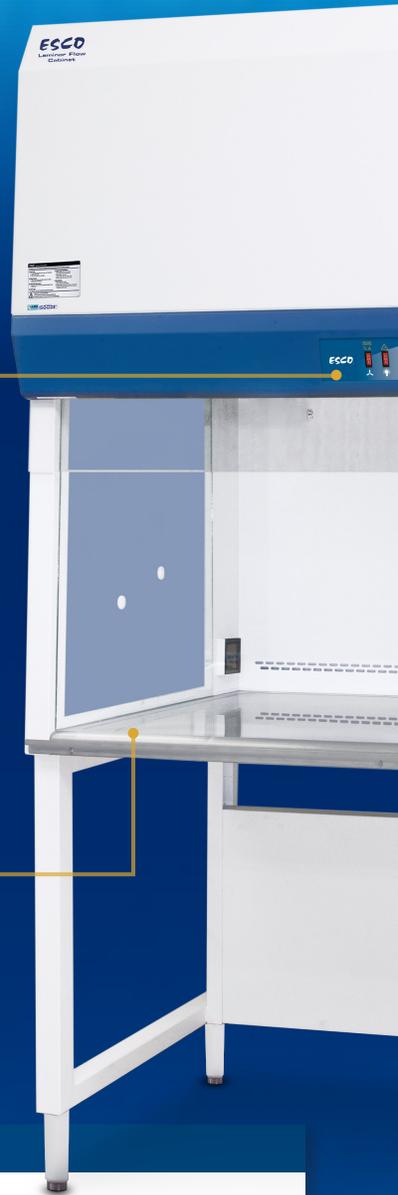
Ergonomic Control Panel Location

- Located on the center and angled down
- ADA-Compliant



Work Top

- Spill-retaining work top design with a recessed central area contains accidental liquid spills.



Guide to Models

L V - -															
1st Placeholder Product Line		2nd Placeholder Flow		3rd Placeholder Side Wall		4th Placeholder Width		5th Placeholder Internal Height		6th Placeholder Control		7th Placeholder Window		8th Placeholder Electrical	
Laminar Flow	L	Vertical	V	Glass	*G	3 feet	3	2 ¼ feet	A	Simple Switches Standard	S	Fixed	F	115 VAC, 50 / 60 Hz	9
				Stainless Steel	S	4 feet	4	3 feet	***C	Sentinel™ Gold	G	Sliding	S		
						5 feet	5								
						6 feet	6								
						**8 feet	8								

* Glass side is only available for 2 ¼ feet (A) internal height Example Code: LVG-4AS-F9

Specifications: Laminar flow cabinet, Vertical Flow, Glass sided walls, 4 feet width, 2 feet internal height, Simple Switches controller, Fixed window and 115 VAC, 50/60 Hz

**8 feet width is only available for 3 feet (C) internal height and stainless steel sided walls Example Code: LVS-8CS-F9

Specifications: Laminar flow cabinet, Vertical Flow, Stainless steel sided walls, 8 feet width, 3 feet internal height, Simple Switches controller, Fixed window and 115 VAC, 50/60 Hz

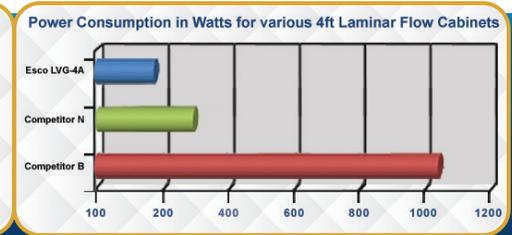
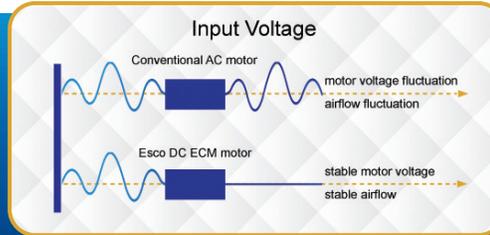
***3 feet internal height is only available for stainless steel sided walls AND 4 feet, 5 feet, 6 feet or 8 feet width Example Code: LVS-4CS-F9

Specifications: Laminar flow cabinet, Vertical Flow, Stainless steel sided walls, 4 feet width, 3 feet internal height, Simple Switches controller, Fixed window and 115 VAC, 50/60 Hz



Energy Efficient DC ECM Blower

- Powered by latest generation DC ECM, that is more efficient than legacy ECM and VFD motors
- 70% Energy savings compared to AC motor
- Stable airflow, despite building voltage fluctuations & filter loading
- Standby mode to further reduce power consumption by 60%



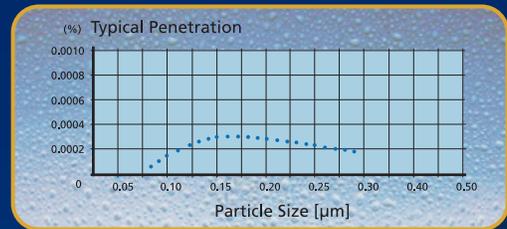
Quiet Operation

- World's leading low noise laminar flow cabinet
- Comfortable low noise at 52 dBA
**LVG-4A in open field condition*
- Reduces fatigue and improves work concentration



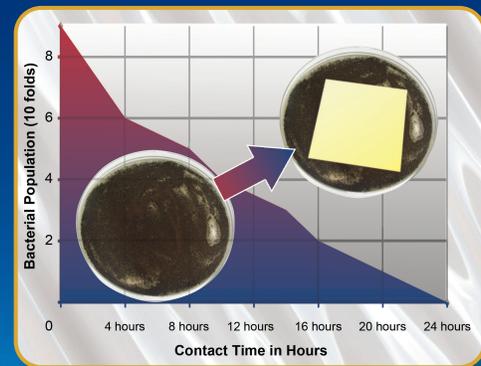
ULPA Filter

- 10x Filtration efficiency of HEPA filter Creates ISO Class 3 work zone instead of industry-standard ISO Class 5
- 10x Cleaner work zone than cabinets with HEPA filter



ISOCIDE™ Powder Coat

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



Airstream® Vertical Laminar Flow Cabinet, Model LVG-A
Available in 3', 4', 5', and 6' models.

Standards Compliance	Cabinet Performance	Air Quality	Filtration	Electrical Safety
	IEST-RP-CC002.2, Worldwide	ISO 14644.1, Class 4, Worldwide AS 1386 Class 2.5, Australia JIS B9920, Class 4, Japan	EN-1822 (H14), Europe IEST-RP-CC001.3, Worldwide IEST-RP-CC007, Worldwide IEST-RP-CC034.1, Worldwide	IEC61010-1, Worldwide EN 61010-1, Europe UL61010-1, USA CAN/CSA-22.2, No.61010-1

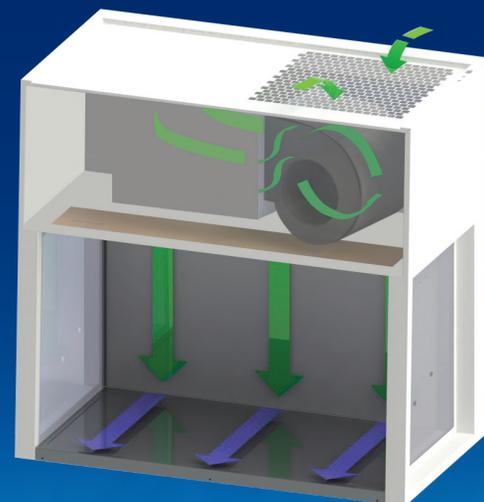
Airstream® Horizontal Laminar Flow Stainless Steel Side Wall Version with optional Sentinel™ Gold Controller



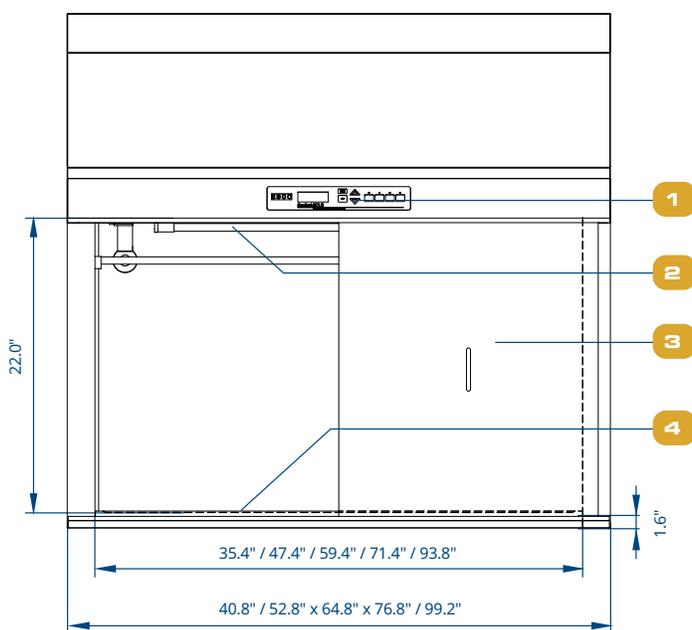
Cabinet Filtration System

- Room air is taken in from the top of the cabinet through a disposable pre-filter with 85% arrestance; this serves to trap larger particles and increase the life of the main filter.
- Air is forced evenly across the ULPA/H14 filter(s); the result is a stream of clean laminar air within the workzone of the cabinet; this dilutes and flushes all airborne contaminants from the interior.
- A nominal filter face velocity of 0.45 m/s or 90 fpm ensures that there is a sufficient number of air changes within the enclosed area of the cabinet to maintain cleanliness.
- The purified air travels across the internal work zone of the cabinet in a horizontal, unidirectional stream and leaves the main work chamber across the entire open front of the cabinet.

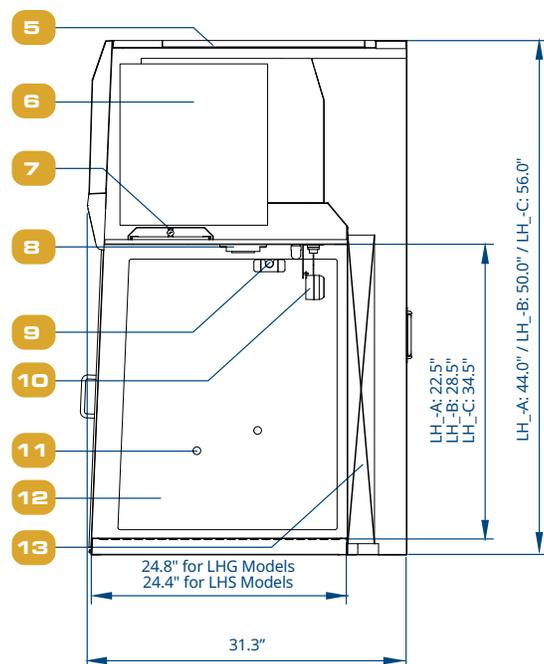
Airflow Diagram



- ULPA / H14 filtered air
- Room air / Inflow air



- 1. Esco Sentinel™ Gold Microprocessor Controller / Simple Switches Control System
- 2. UV Light Retrofit Kit Provision
- 3. (Optional) Front Cover
- 4. Spill-retaining Stainless Steel Work Top



- 5. LED Lamp
- 6. Electrical Outlet Provision (maximum of 2)
- 7. IV Bar Retrofit Kit Provision
- 8. Air Flow Sensor
- 9. Service Fixture Retrofit Kit Provision (2 on each side)
- 10. Tempered Glass Side Walls (for LHG Variant) / Stainless Steel Side Walls (for LHS Variant)
- 11. ULPA / H14 Filter

Esco Horizontal and Vertical Laminar Flow Cabinet Accessories

Model	3 feet Width	4 feet Width	5 feet Width	6 feet Width	8 feet Width	
UV Lamp	UV-15A-L 5170251		UV-30A-L 5170255		UV-30A-L *2	
Electrical Outlet			EO-GFCI 5170071			
IV Bar Horizontal Flow	IV-890 5170608	IV-1195 5170609	IV-1500 5170610	IV-1805 5170611	IV-2375 5170662	
IV Bar Vertical Flow	IV-960 5170603	IV-1265 5170604	IV-1570 5170605	IV-1875 5170606	IV-2445 5170607	
PVC Arm Rest			ME-W-REST 5170127			
Height-adjustable Lab Chair (Blue)			ME-LD-AR360 1150006			
Ergonomic Foot Rest			FT-REST 5170073			
Support Stand Telescoping with Castors (28" to 34")	STC-3A0 5130055	STC-4A0 5130056	STC-5A0 5130057	STC-6A0 5130058	STC-8A0 5130059	
Support Stand Telescoping with Leveling Feet (28" to 34")	STL-3A0 5130050	STL-4A0 5130051	STL-5A0 5130052	STL-6A0 5130053	STL-8A0 5130054	
Support Stand Telescoping with Leveling Feet and Castors (28" to 36")	STA-3A0 5131340	STA-4A0 5131341	STA-5A0 5131427	STA-6A0 5131389	STA-8A0 5131391	
Pre-filter	Horizontal	PF-4 5090003	PF-2 (2 pcs) 5090001	PF-3 and PF-4 5090002 and 5090003	PF-2 (3 pcs) 5090001	PF-2 and PF-4 (2 pcs) 5090001 and 5090003
	Vertical				PF-4 (2 pcs) 5090003	

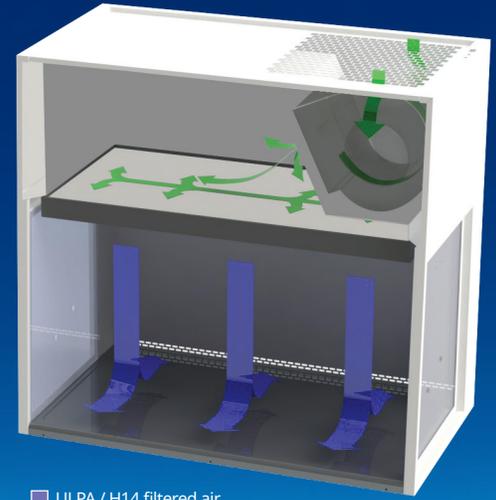
Airstream® Vertical Laminar Flow Stainless Steel Side Wall Version with optional Sentinel™ Gold Controller



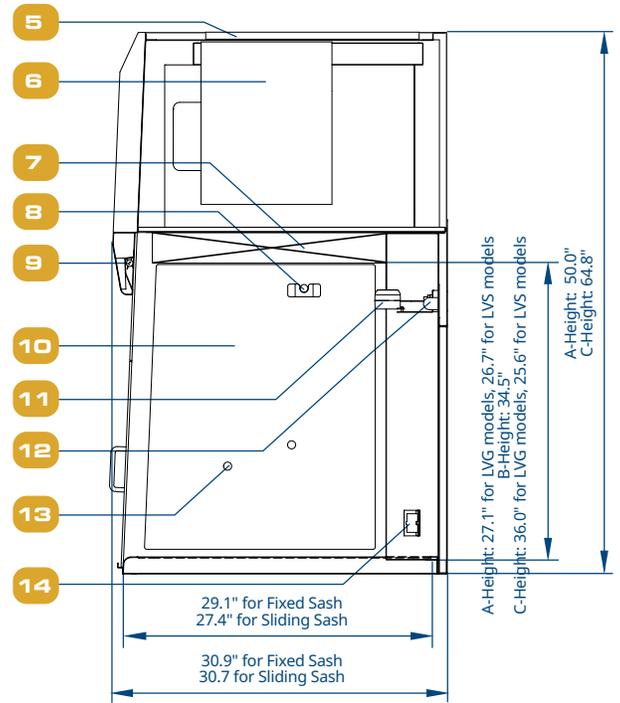
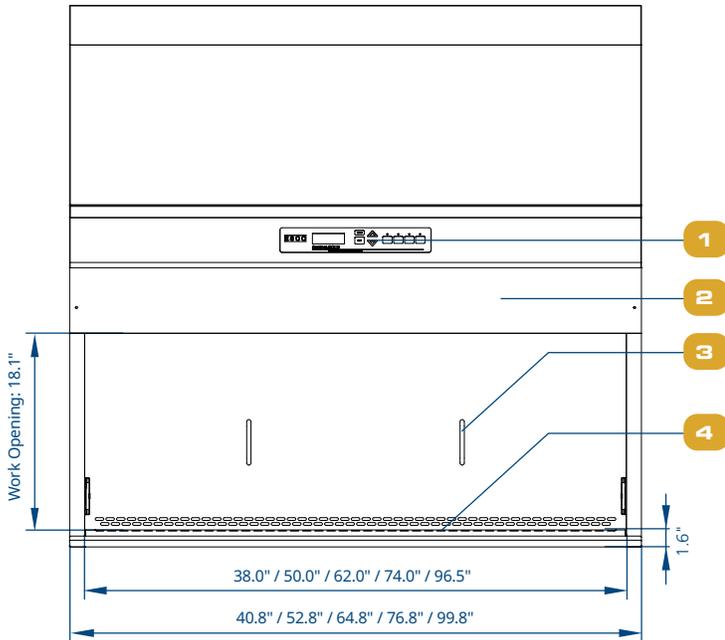
Cabinet Filtration System

- Room air is taken in from the top of the cabinet through a disposable pre-filter with 85% arrestance; this serves to trap larger particles and increase the life of the main filter.
- Air is forced evenly across the ULPA/H14 filter(s); the result is a stream of clean laminar air within the workzone of the cabinet; this dilutes and flushes all airborne contaminants from the interior.
- A nominal filter face velocity of 0.45 m/s or 90 fpm ensures that there is a sufficient number of air changes within the enclosed area of the cabinet to maintain cleanliness.
- The purified air travels across the working zone of the cabinet in a vertical, unidirectional stream and leaves the main work chamber across the entire open front of the cabinet and through Auto-Purge™ slots at the back wall of the work zone which are designed to eliminate air turbulence and the possibility of dead air corners in the work zone.

Airflow Diagram



- ULPA / H14 filtered air
- Room air / Inflow air



- Esco Sentinel™ Gold Microprocessor Control System / Simple Switches Control System
- Fixed Sash (LV_-F variant)
(Optional) Manual Sliding Sash (LV_-S variant)
- Optional Front Cover
- Stainless Steel Work Top
- Pre-filter
- DC ECM Blower (Self-compensating and lower noise)
- ULPA filter
- IV Bar Retrofit Kit Provision
- LED Lamp
- Tempered Glass Side Walls (for LVG Variant)
Stainless Steel Side Walls (for LVS Variant)
- Airflow Sensor
- UV Lamp
- Service Fixture Retrofit Kit Provision (2 holes on each side)
- Electrical Outlet Retrofit Kit provision (1 outlet on each side)

Esco Horizontal and Vertical Laminar Flow Cabinet Front Cover (For UV Interlock System)

	3 feet	4 feet	5 feet	6 feet	8 feet
LHG / LHS	FC-LHG / LHS-3A 5170601	FC-LHG / LHS-4A 5170602	FC-LHG / LHS-5A 5170585	FC-LHG / LHS-6A 5170586	
	FC-LHG / LHS-3B 5170587	FC-LHG / LHS-4B 5170588	FC-LHG / LHS-5B 5170589	FC-LHG / LHS-6B 5170590	
	FC-LHG / LHS-3C 5170627	FC-LHG / LHS-4C 5170591		FC-LHG / LHS-6C 5170592	FC-LHG / LHS-8C 5170593
LVG / LVS*	FC-LVG / LVS-3A 5170595	FC-LVG / LVS-4A 5170584	FC-LVG / LVS-5A 5170596	FC-LVG / LVS-6A 5170597	
		FC-LVG / LVS-4C 5170598	FC-LVG / LVS-5C 5170061	FC-LVG / LVS-6C 5170599	FC-LVG / LVS-8C 5170600

*For fixed sash models only (LVS_-F and LVG_-F)

General Specifications, Airstream® Horizontal Laminar Flow Cabinets, A-Height (Interior Height: 2 ft / 0.6 m)

Sentinel™ Gold, Stainless Steel Side		LHS-3AG-F9 2120425	LHS-4AG-F9 2120427	LHS-5AG-F9 2120429	LHS-6AG-F9 2120431
Sentinel™ Gold, Glass Side		LHG-3AG-F9 2120417	LHG-4AG-F9 2120419	LHG-5AG-F9 2120421	LHG-6AG-F9 2120423
Nominal Size		3 feet	4 feet	5 feet	6 feet
External Dimensions (W x D x H)	Without Base Stand	40.8" x 31.3" x 44.0"	52.8" x 31.3" x 44.0"	64.8" x 31.3" x 44.0"	76.8" x 31.3" x 44.0"
	Internal Work Area, Dimensions (W x D x H)	LHG Models	35.4" x 24.8" x 22.5"	47.4" x 24.8" x 22.5"	59.4" x 24.8" x 22.5"
LHS Models		35.4" x 24.4" x 22.5"	47.4" x 24.4" x 22.5"	59.4" x 24.4" x 22.5"	71.4" x 24.4" x 22.5"
Internal Work Area, Space		5.4 ft ²	7.5 ft ²	9.6 ft ²	10.8 ft ²
Average Airflow Velocity		0.45 m/s (90 fpm) at initial setpoint			
Air Volume		491 cfm	657 cfm	824 cfm	911 cfm
ULPA Filter Typical Efficiency		> 99.999% at particle size between 0.1 to 0.3 μm			
Sound Emission per IEST-RP-CC002.2*		53.2 dBA	55.8 dBA	58.4 dBA	60.0 dBA
LED Lamp Intensity at Zero Ambient		74.3 -93 foot candles			
Cabinet Construction	Main Body	0.05" 18-gauge electro-galvanized steel with white oven-baked epoxy-polyester powder-coated finish			
	Work Zone	0.05" 18-gauge stainless steel, grade 304, with 4B finish			
	Side Walls	LHS Models: 0.05" 18 gauge stainless steel, grade 304, with 4B finish LHG Models: UV absorbing tempered glass, 0.2", colorless and transparent			
Electrical Power Rating 9: 110-130 VAC, 50 / 60 Hz, 1 phase	Cabinet Full Load Amps (FLA)	11.3 A	11.4 A	11.4 A	11.5 A
	Optional Outlets (FLA)	5 A			
	Cabinet Nominal Power (W)	144	175	216	255
	Heat Rejected, BTU per Hour	491	597	737	870
Net Weight**		220 lbs)	320 lbs	368 lbs	467 lbs
Shipping Weight**		291 lbs	440 lbs	494 lbs	611 lbs
Shipping Dimensions, Maximum (W x D x H)**		44" x 35" x 62"	55" x 35" x 62"	68" x 35" x 62"	87" x 35" x 62"
Shipping Volume, Maximum**		56.6 ft ³	70.6 ft ³	88.2 ft ³	116.5 ft ³

Specifications are subject to change without notice.

*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 dBA above these values.

**Cabinet only, excludes optional stand.

General Specifications, Airstream® Horizontal Laminar Flow Cabinet, B-Height (Interior Height: 2 ½ ft)

Simple Switches, Glass Side		LHG-3BS-F9 (2120705)	LHG-4BS-F9 (2120716)	LHG-5BS-F9 (2120717)	LHG-6BS-F9 (2120718)
Simple Switches, Stainless Steel Side		LHS-3BS-F9 (2120661)	LHS-4BS-F9 (2120663)	LHS-5BS-F9 (2120665)	LHS-6BS-F9 (2120667)
Sentinel™ Gold, Glass Side		LHG-3BG-F9 (2120493)	LHG-4BG-F9 (2120495)	LHG-5BG-F9 (2120497)	LHG-6BG-F9 (2120499)
Sentinel™ Gold, Stainless Steel Side		LHS-3BG-F9 (2120503)	LHS-4BG-F9 (2120505)	LHS-5BG-F9 (2120507)	LHS-6BG-F9 (2120509)
Nominal Size		3 feet	4 feet	5 feet	6 feet
External Dimensions (W x D x H)	Without Base Stand	40.8" x 31.0" x 50.0"	52.8" x 31.0" x 50.0"	64.8" x 31.0" x 50.0"	76.8" x 31.0" x 50.0"
	LHG Models	35.4" x 24.8" x 28.5"	47.4" x 24.8" x 28.5"	59.4" x 24.8" x 28.5"	71.4" x 24.8" x 28.5"
Internal Work Area, Dimensions (W x D x H)	LHS Models	35.4" x 24.4" x 28.5"	47.4" x 24.4" x 28.5"	59.4" x 24.4" x 28.5"	71.4" x 24.4" x 28.5"
	Internal Work Area, Space	5.4 ft ²	7.5 ft ²	9.6 ft ²	10.8 ft ²
Average Airflow Velocity		0.45 m/s (90 fpm) at initial setpoint			
Air Volume		621 cfm	832 cfm	1042 cfm	1253 cfm
ULPA Filter Typical Efficiency		> 99.999% at particle size between 0.1 to 0.3µm			
Sound Emission per IEST-RP-CC002.2*		52.8 dBA	55.4 dBA	58.0 dBA	59.6 dBA
LED Lamp Intensity at Zero Ambient		74.3 -93 foot candles			
Cabinet Construction	Main Body	0.05" 18-gauge electro-galvanized steel with white oven-baked epoxy-polyester powder-coated finish.			
	Work Zone	0.05" 18-gauge stainless steel, grade 304, with 4B finish.			
	LHG Side Walls	UV-absorbing tempered glass, 0.2", colorless and transparent			
	LHS Side Walls	Interior: 0.05" 18-gauge stainless steel, grade 304, with 4B finish. Exterior: 0.05" 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester powder-coated finish.			
Electrical Power Rating 9: 110-130 VAC, 50 / 60Hz, 1 phase**	Cabinet Full Load Amps (FLA)	12.3 A	12.4 A	12.4 A	12.5 A and 6.5 A (2 Power Inlet)
	Optional Outlets (FLA)	6 A			
	Cabinet Nominal Power (W)	154	188	273	343
	Heat Rejected, BTU per Hour	525	641	932	1170
Net Weight***		238 lbs	344 lbs	397 lbs	503 lbs
Shipping Weight***		308 lbs	465 lbs	522 lbs	646 lbs
Shipping Dimensions, Maximum (W x D x H)***		44" x 35" x 62"	55" x 35" x 62"	68" x 35" x 62"	87" x 35" x 62"
Shipping Volume, Maximum***		156.6 ft ³	70.6 ft ³	87 ft ³	118.6 ft ³

Specifications are subject to change without notice.

* 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 dBA above these values.

** Additional voltages may be available; contact Esco for ordering information.

*** Cabinet only; excludes optional stand.

General Specifications, Airstream® Vertical Laminar Flow Cabinet, A-Height (Interior Height: 2 ¼ ft)

		LVG-3AG-F9 (2120435)	LVG-4AG-F9 (2120437)	LVG-5AG-F9 (2120439)	LVG-6AG-F9 (2120441)
Sentinel™ Gold, Glass Side		LVG-3AG-F9 2120435	LVG-4AG-F9 2120437	LVG-5AG-F9 2120439	LVG-6AG-F9 2120441
Sentinel™ Gold, Stainless Steel Side		LVS-3AG-F9 (2120443)	LVS-4AG-F9 (2120445)	LVS-5AG-F9 (2120447)	LVS-6AG-F9 (2120449)
		LVS-3AG-S9 2120797	LVS-4AG-S9 2120762	LVS-5AG-S9 2120767	LVS-6AG-S9 2120764
Simple Switches, Glass Side		LVG-3AS-F9 2120712	LVG-4AS-F9 2120713	LVG-5AS-F9 2120714	LVG-6AS-F9 2120715
Simple Switches, Stainless Steel Side		LVS-3AS-F9 2120706	LVS-4AS-F9 2120707	LVS-5AS-F9 2120708	LVS-6AS-F9 2120709
Nominal Size		3 feet	4 feet	5 feet	6 feet
External Dimensions (W x D x H)	Fixed Sash Models	40.8" x 30.8" x 50.0"	52.8" x 30.8" x 50.0"	64.8" x 30.8" x 50.0"	76.8" x 32.4" x 50.0"
	Sliding Sash Models	40.8" x 30.7" x 50.0"	52.8" x 30.7" x 50.0"	64.8" x 30.7" x 50.0"	76.8" x 30.7" x 50.0"
Internal Work Area, Dimensions (W x D x H)	LVG Models (Fixed Sash)	38.0" x 29.1" x 27.1"	50.0" x 29.1" x 27.1"	62.0" x 29.1" x 27.1"	74.0" x 29.1" x 27.1"
	LVG Models (Sliding Sash)	38.0" x 27.0" x 27.1"	50.0" x 27.0" x 27.1"	62.0" x 27.3" x 27.1"	74.0" x 27" x 27.1"
	LVS Models (Fixed Sash)	38.0" x 29.1" x 26.7"	50.0" x 29.1" x 26.7"	62.0" x 29.1" x 26.7"	74.0" x 29.1" x 26.7"
	LVS Models (Sliding Sash)	38.0" x 27.0" x 26.7"	50.0" x 27.0" x 26.7"	62.0" x 27.3" x 26.7"	74.0" x 27" x 26.7"
Internal Work Area, Space		6.5 ft ²	8.6 ft ²	10.7 ft ²	14.0 ft ²
Average Airflow Velocity		90 fpm at initial setpoint			
Air Volume		657 cfm	866 cfm	1074 cfm	1281 cfm
ULPA Filter Typical Efficiency		> 99.999% at particle size between 0.1 to 0.3µm			
Sound Emission per IEST-RP-CC002.2*		51.6 dBA	52.4 dBA	55.6 dBA	57.6 dBA
LED Lamp Intensity at Zero Ambient		74.3 -93 foot candles			
Cabinet Construction	Main Body	0.05" 18-gauge electro-galvanized steel with white oven-baked epoxy-polyester powder-coated finish.			
	Work Zone	0.05" 18-gauge stainless steel, grade 304, with 4B finish.			
	LVG Side Walls	UV-absorbing tempered glass,0.2", colorless and transparent			
	LVS Side Walls	Interior: 0.05" 18-gauge stainless steel, grade 304, with 4B finish. Exterior: 0.05" 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester powder-coated finish.			
Electrical Power Rating 9: 110-130 VAC, 50 / 60Hz, 1 phase**	Cabinet Full Load Amps (FLA)	13 A	13.5 A	14.3 A	14.5 A
	Optional Outlets (FLA)	6 A			
	Cabinet Nominal Power (W)	132	155	204	264
	Heat Rejected, BTU per Hour	450	529	696	908
Net Weight***		298 lbs	348 lbs	438 lbs	459 lbs
Shipping Weight***		368 lbs	445 lbs	564 lbs	602 lbs
Shipping Dimensions, Maximum (W x D x H)***		44" x 35" x 62"	55" x 35" x 62"	68" x 35" x 62"	87" x 35" x 62"
Shipping Volume, Maximum***		56.6 ft ³	70.6 ft ³	88.2 ft ³	116.5 ft ³

Specifications are subject to change without notice.

* 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 dBA above these values.

** Additional voltages may be available; contact Esco for ordering information.

*** Cabinet only; excludes optional stand.

General Specifications, Airstream® Horizontal and Vertical Laminar Flow Cabinets, C-Height (Interior Height: 3 ft / 0.9 m)

Model	Nominal Size	External Dimension (W x D x H)	Internal Dimension (W x D x H)	Sound Emmission per IEST-RP-CC002.2*	Fluorescent Lamp Intensity at Zero Ambient	Cabinet Full Load Amps (FLA)	Cabinet Nominal Power (W)	Heat Rejected, BTU per Hour	Shipping Weight**	Shipping Dimensions, Maximum (W x D x H)**	Shipping Volume, Maximum**
VERTICAL LAMINAR FLOW (Power Rating 9: 110-130 VAC, 50 / 60 Hz, 1 phase)											
LVS-4CG-F9 (2120605)	4 ft	52.8" x 30.5" x 64.8"	50.0" x 29.1" x 35.6"	52.5 dBA	74.3 -93 foot candles	11.5 A	217	741	536 lbs	58.7" x 35.4" x 68.9"	81.2 ft ³
LVS-6CG-F9 (2120609)	6 ft	76.8" x 30.5" x 64.8"	74.0" x 29.1" x 35.6"	53.2 dBA		13.5 A	400	1365	661 lbs	82" x 35.4" x 68.9"	116.5 ft ³
LVS-8CG-F9 (2120687)	8 ft	99.2" x 30.5" x 64.8"	96.5" x 29.1" x 35.6"	59.8 dBA		14 A and 8A	434	1481	1003 lbs	107" x 37.4" x 68.9"	158.9 ft ³
LVG-4CG-F9 (2120595)	4 ft	52.8" x 30.5" x 64.8"	50.0" x 29.1" x 36.0"	52.5 dBA		11.5 A	217	741	536 lbs	58.7" x 35.4" x 68.9"	81.2 ft ³
LVG-6CG-F9 (2120599)	6 ft	76.8" x 30.5" x 64.8"	74.0" x 29.1" x 36.0"	53.2 dBA		13.5 A	400	1365	661 lbs	81.5" x 35.4" x 68.9"	116.5 ft ³
LVS-4CS-F9 (2120710)	4 ft	52.8" x 32.0" x 64.8"	50.0" x 29.1" x 35.6"	52.6 dBA		13.5 A	217	740	536 lbs	59" x 35" x 69"	81 ft ³
LVS-5CS-F9 (2120720)	5 ft	64.8" x 32.0" x 64.8"	62.0" x 29.1" x 35.6"	53 dBA		14.3 A	304	1037	679 lbs	70" x 35" x 69"	99.6 ft ³
LVS-6CS-F9 (2120711)	6 ft	76.8" x 32.0" x 64.8"	74.0" x 29.1" x 35.6"	53.2 dBA		14.5 A and 8.5 A	400	1365	727 lbs	82" x 35" x 69"	116.5 ft ³
LVS-8CS-F9 (2120689)	8 ft	99.2" x 32.0" x 64.8"	96.5" x 29.1" x 35.6"	59.8 dBA		15 A and 9 A	434	1481	1003 lbs	107" x 37" x 69"	58.9 ft ³
HORIZONTAL LAMINAR FLOW (Power Rating 9: 110-130 VAC, 50 / 60 Hz, 1 phase)											
LHS-4CG-F9 (2120585)	4 ft	52.8" x 30.8" x 56.0"	47.4" x 24.4" x 34.5"	56.4 dBA	74.3 -93 foot candles	11.4 A	250	853	489 lbs	55.1" x 35.4" x 68.9"	70.6 ft ³
LHS-6CG-F9 (2120589)	6 ft	76.8" x 30.8" x 56.0"	71.4" x 24.4" x 34.5"	59.4 dBA		11.5 A and 6.5 A	365	1245	664 lbs	86.6" x 35.4" x 62.5"	116.5 ft ³
LHS-8CG-F9 (2120719)	8 ft	99.2" x 30.8" x 56.0"	93.8" x 24.4" x 34.5"	62.3 dBA		12 A and 6 A	394	1344	875 lbs	107.0" x 37.4" x 62.5"	144.8 ft ³
LHG-3CG-F9 (2120573)	3 ft	40.8" x 30.8" x 56.0"	35.4" x 24.8" x 34.5"	54.2 dBA		11.3 A	193	659	324 lbs	44" x 35.4" x 62.5"	56.5 ft ³
LHG-4CG-F9 (2120575)	4 ft	52.8" x 30.8" x 56.0"	47.4" x 24.8" x 34.5"	56.4 dBA		11.4 A	250	853	489 lbs	55.1" x 35.4" x 62.5"	70.6 ft ³
LHG-6CG-F9 (2120579)	6 ft	76.8" x 30.8" x 56.0"	71.4" x 24.8" x 34.5"	59.4 dBA		11.5 A and 6.5 A	365	1245	664 lbs	86.6" x 35.4" x 62.5"	116.5 ft ³
LHS-4CS-F9 (2120675)	4 ft	52.8" x 31.0" x 56.0"	47.4" x 24.4" x 34.5"	56.4 dBA		12.3 A	217	740	489 lbs	55" x 35" x 62"	70.6 ft ³
LHS-6CS-F9 (2120679)	6 ft	76.8" x 31.0" x 56.0"	71.4" x 24.4" x 34.5"	59.4 dBA		12.5 A and 6.5 A	400	1365	663 lbs	87" x 35" x 62"	118.6 ft ³
LHS-8CS-F9 (2120681)	8 ft	99.2" x 31.0" x 56.0"	93.8" x 24.4" x 34.5"	62.3 dBA		13 A and 7 A	432	1481	875 lbs	107" x 37" x 62"	144.8 ft ³

SPECIFICATIONS AVAILABLE FOR ALL MODELS AND SIZES

Cabinet Construction	Main Body	0.05" 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester powder-coated finish
	Work Zone	0.05" 18-gauge stainless steel, grade 304, with 4B finish
	Side Walls	LVG-LHG: UV absorbing tempered glass, 0.2", colorless and transparent LVS-LHS: 0.05" 18 gauge stainless steel, grade 304, with 4B finish
Average Airflow Velocity		90 fpm at initial set point
ULPA Filter Typical Efficiency		> 99.999% at particle size between 0.1 to 0.3 µm
Electrical		Power Rating 9: 110-130 VAC, 50 / 60 Hz, 1 phase

Specifications are subject to change without notice.

*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 dBA above these values.

**Cabinet only, excludes optional stand.

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