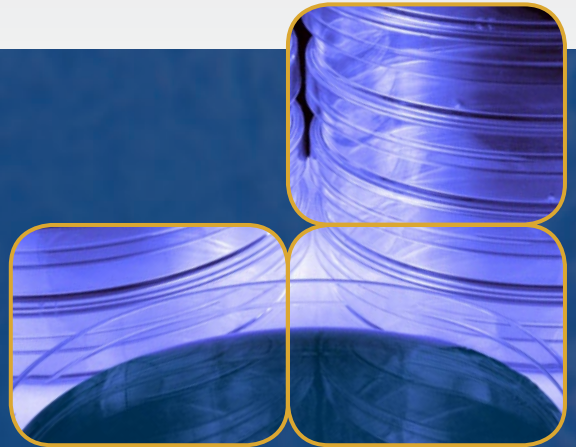# Streamline®

Class II Biological Safety Cabinets
The Industry's Best Value Class II Cabinets

Streamline® Class II, Biosafety Cabinet,
Model: SC2-4S1

Green Product

EN12469

ULPA filter

ISOCIDE™

ESCO®
SCIENTIFIC

Sentinel™ Silver Microprocessor Controller

- **Displays all safety information on one screen**
- **Centered and angled down for easy reach & viewing**
- **Selectable Quickstart mode for fast operation**

AIR SAFE   16:20

Read all safety-related instructions before use
Test / certify this cabinet at least annually

Designed to Meet IEC 61010-1
Safety : Protection Standards
ISO 9001 Quality Certified
Manufacturing Environment

- High performance EBM-PAPST® permanently lubricated, centrifugal motor/ fans with external rotor designs. Motors selected for energy efficiency, compact design and flat profile.

- H14 filtration system operate at a typical efficiency of >99.999% at 0.1 to 0.3 micron sizes

- Ergonomically angled front improves reach and comfort, reduces glare. Frameless, shatterproof sash is easier to clean, offers larger, unobstructed viewing area.

- ISOCIDE™ powder coat inhibit microbial growth to improve safety.

- Sentinel™ Silver Microprocessor control alarm system supervise operation of all cabinet functions. Monitor both exhaust and downflow.

- Robust cabinet construction with key components, including fluorescent lamps, control system are located away from contamination air to permit service without decontamination.

- Glass side to increase brightness with maximum visibility / Stainless Steel side walls available (S-Series).

- Esco Streamline® Class II has been certified by PHE / Public Health England (formerly HPA) for compliance to EN 12469.
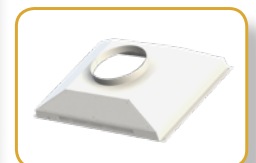
Accessories

Item Code		Model			
Cabinet	Glass Sides	SC2-4E1 2010655	SC2-4E3 2010892	SC2-6E1 2010900	SC2-6E3 2010904
	Stainless Steel Sides	SC2-4S1 2010930	SC2-4S3 2010898	SC2-6S1 2010906	SC2-6S3 2010910
Anti-blowback Valve 10"		ABBV-10P 5170352			
Thimble Exhaust Collar		ECO-AC2-4 Gen3 5170522		ECO-AC2-6 Gen3 5170524	
UV Lamp		UV-30A-L 5170255			
PVC Arm Rest Valve 10"		MEWREST 5170127			
Pre-Filter (On paper Catch)		PF-42 5090062		PF-44 5090064	
IV Bar		IV-1215 5170231		IV-1825 5170501	
Electrical Outlet (Universal)		EO-UNI 5170060			

ABBV-10P

ECO-AC2-_ Gen3

UV-30A-L

MEWREST

PF-

IV-_
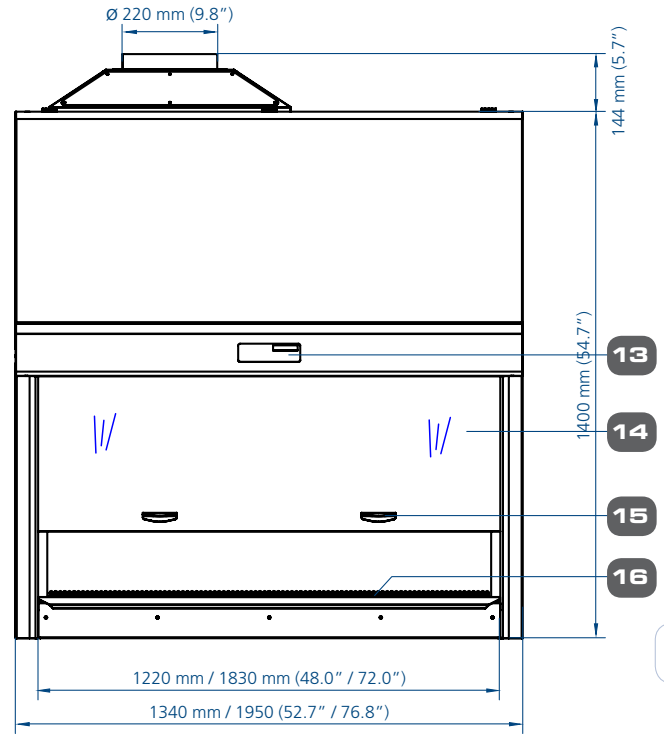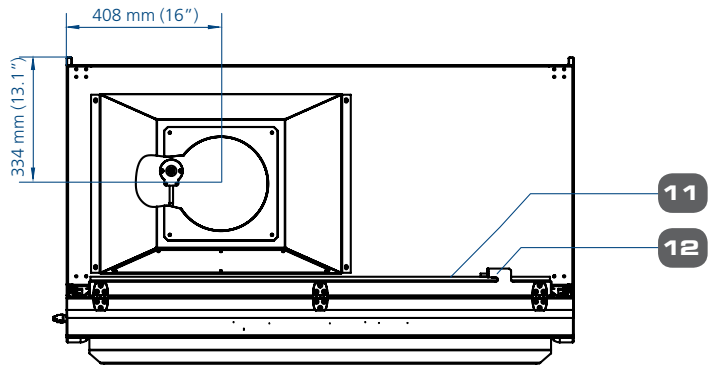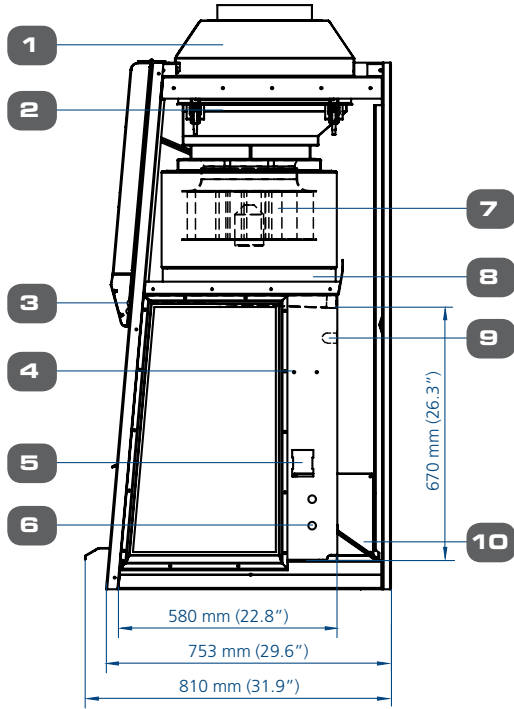
EO-UNI

SF-

Streamline® Class II, Biological Safety Cabinet Engineering Drawing

1. Exhaust Collar (Optional)
2. Exhaust H14 Filter
3. Fluorescent Lamps
4. IV Bar Retrofit Kit Provision
5. Universal Electrical Outlet
   (one on each side)
6. Service Fixture Retrofit Kit Provision
   (two on each side)
7. EBM AC Blower
8. Downflow H14 Filter

9. UV Lamp (Optional)
10. Paper Catch (with optional pre-filter)
11. RS232 Port
12. Power Inlet (with safety cable hook)
13. Esco Sentinel™ Silver Microprocessor
    Control System
14. Tempered Glass Sliding Sash Window
15. Sash Handle
16. Stainless Steel Work Tray

EU SF-Gas-20 mm	SF-1G20 5170410	
EU SF-Vacuum-20 mm	SF-1V20 5170457	
EU SF-Air-20 mm	SF-1A20 5170503	
EU SF-Nitrogen-20 mm	SF-1N20 5170503	
EU SF-Water-20 mm	SF-1W20 5170258	
EU SF-Universal-22 mm	SF-2U22 5170504	
Ergonomic Foot Rest	FT-REST 5170073	
Fixed Stand with Caster Wheels 28" Height	SPC-4A0 Gen2 5130152	SPC-6A0 Gen2 5130154
Fixed Stand with Caster Wheels 34" Height	SPC-4B0 Gen2 5130166	SPC-6B0 Gen2 5130168
Fixed Stand with Leveling Feet 28" Height	SAL-4A0 Gen2 5130134	SAL-6A0 Gen2 5130172
Fixed Stand with Leveling Feet 34" Height	SAL-4B0 Gen2 5130175	SAL-6B0 Gen2 5130177
IQ OQ Protocol	9010179	

SF-2U22   FT--REST   SPC-_A0   SAL-_A0   IQ OQ

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TECHNICAL SPECIFICATIONS

Model		SC2-4E1 2010655	SC2-4E3 2010892	SC2-6E1 2010900	SC2-6E3 2010904
		SC2-4S1 2010930	SC2-4S3 2010898	SC2-6S1 2010906	SC2-6S3 2010910
External Dimension (W x D x H)		1340 x 810 x 1400 mm (52.8" x 31.9" x 55.1")		1950 x 810 x 1400 mm (76.8" x 31.9" x 55.1")	
Gross Internal Dimension (W x D x H)		1220 x 580 x 670 mm (48.0" x 22.8" x 26.4")		1830 x 580 x 670 mm (72.0" x 22.8" x 26.4")	
Airflow Velocity	Inflow	0.45 m/s (89 fpm)		0.45 m/s (89 fpm)	
	Downflow	0.30 m/s (60 fpm)		0.30 m/s (60 fpm)	
Airflow Volume	Inflow	346 cmh (204 cfm)		519 cmh (305 cfm)	
	Downflow	764 cmh (449 cfm)		1146 cmh (675 cfm)	
	Exhaust	346 cmh (204 cfm)		519 cmh (305 cfm)	
Filter Efficiency (%)		>99.999% at 0.1 to 0.3 micron, ULPA as per IEST-RP-CC001.3 USA >99.999% at MPPS, H14 as per EN 1822 EU			
Sound Emission (IEST-RP-CC002.2)*		NSF: 60 dBA / EN: 57 dBA		NSF: 62 dBA / EN: 59 dBA	
Fluorescent Lamp Intensity		1118 lux (104 foot-candles)		1044 lux (97 foot-candles)	
Cabinet Construction	Main Body	1.2 mm (0.05") / 18 gauge EG Steel with Isocide™ Oven-Baked Epoxy-Polyester Powder Coating			
	Workzone	E-series: Multi-piece work tray, 1.5 mm (0.06") / 16 gauge, SS304, with glass side wall			
		S-series: Single-piece work tray, 1.5 mm (0.06") / 16 gauge, SS304, with stainless steel side wall			
Electrical	Maximum Power / Current Consumption	360 W / 2 A		650 W / 3.5 A	
	Nominal Power Consumption	308 W		606 W	
	Outlet Amp Fuse	5 A			
	Full Load Amps	7 A	7 A	8.5 A	9 A
	BTU/Hr	874	1177	1840	2286
Net Weight		230 kg (507.0 lbs)		346 kg (762.8 lbs)	
Shipping Weight		285 kg (628.3 lbs)		428 kg (943.6 lbs)	
Shipping Dimension (W x D x H)		1450 x 820 x 1760 mm (57.0" x 32.2" x 69.2")		2050 x 820 x 1760 mm (80.7" x 32.2" x 69.2")	

*Noise reading in open field condition / anechoic chamber

ESCO
LIFESCIENCES GROUP

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