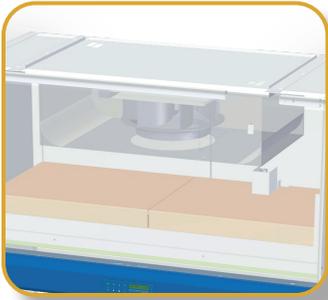# Ascent™ Max

Containment Ventilated Enclosure

- *The Safe, Energy-Efficient, and Easy to Clean PEC*
- *For USP 800 Hazardous Non-Sterile Compounding*

Esco Ascent™ Max Containment Ventilated Enclosure

Provides Operator and Environment Protection

Centrifugal Fan

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

Robust Hood Construction

- *Key components including LED lamps, motor capacitor, electrical harness, electronic ballast, and switch control are mounted outside the airstream and away from contaminated areas to permit easy service*

HEPA Filter

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

Rear Walls

- *Electro galvanized steel wall for superior durability*

Work Top

- *Phenolic resin worktop*
- *Easy to clean, corrosion and chemical resistant makes it an ideal worktop for experiments*

Ascent™ Max Containment Ventilated Enclosure, Model ADC-4F1 (Shown with STA)

| MENU | SET | ▲ | ▼ | 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

ESCO

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.*
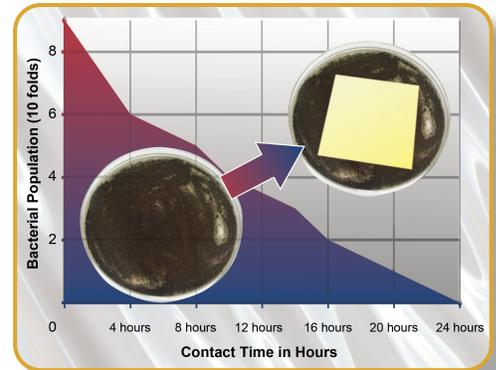
Hinged Polycarbonate Sash

- *Allows easy access and easy cleaning*

ISOCIDE™ Powder Coat

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

Support Stand

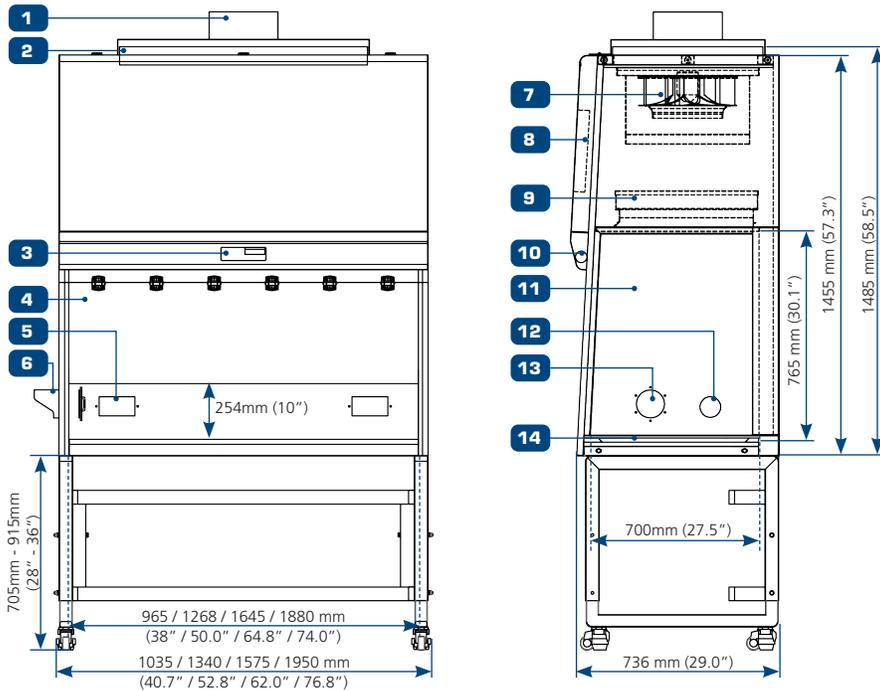- *Made from durable material to support a maximum weight of 500-600 Kg (1102 - 1322 lbs)*

Standards Compliance	Filtration	Electrical Safety
	IEST-RP-CC001.3, USA IEST-RP-CC007, USA IEST-RP-CC034.1, USA	UL-61010-1, USA/Canada CAN/CSA-22.2, No.61010-1 EN-61010-1, Europe IEC61010-1, Worldwide

General Specifications, Ascent™ Max Containment Ventilated Enclosure

Model		ADC-3F1	ADC-4F1	ADC-5F2	ADC-6F1
External Dimensions (W x D x H)		1035 x 736 x 1485 mm (40.7" x 29.0" x 58.5")	1340 x 736 x 1485 mm (52.8" x 29.0" x 58.5")	1645 x 736 x 1485 mm (64.8" x 29.0" x 58.5")	1950 x 736 x 1485 mm (76.8" x 29.0" x 58.5")
Internal Work Area (W x D x H)		965 x 596 x 765 mm (38.0" x 23.5" x 30.1")	1268 x 596 x 765 mm (50.0" x 23.5" x 30.1")	1575 x 596 x 765 mm (62.0" x 23.5" x 30.1")	1880 x 596 x 765 mm (74.0" x 23.5" x 30.1")
Filtration System	Primary Filter	HEPA filter, typical efficiency of >99.99% at 0.3 microns, removes particulates and aerosols			
	Secondary Filter	HEPA filter, typical efficiency of >99.99% at 0.3 microns, removes particulates and aerosols			
Exhaust Ducting		Optional Exhaust Collar with 10" diameter. Not included as standard item			
Inflow Air Velocity		Initial Setpoint : 0.4 m/s or 80 fpm			
Air Volume		260 m³/h (153 cfm)	342 m³/h (201 cfm)	428 m³/h (252 cfm)	505 m³/h (297 cfm)
Sound Emission		62 dBA			
LED Light Intensity at Zero Ambient		>800 Lux (>74 foot-candles)			
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			
	Side Walls	Polycarbonate			
	Work Top	Phenolic resin			
Net Weight*		250 kg (529 lbs)	257 (556 lbs)	270 kg (597 lbs)	350 kg (782 lbs)
Shipping Weight*		270 kg (595 lbs)	282 kg (622 lbs)	301 kg (664 lbs)	385 kg (849 lbs)
Shipping Dimensions, Maximum (W x D x H)*		1120 x 850 x 1960 mm (44.1" x 33.5" x 77.2")	1505 x 850 x 1960 mm (59.3" x 33.5" x 77.2")	1720 x 850 x 1960 mm (67.7" x 33.5" x 77.2")	2070 x 850 x 1960 mm (81.5" x 33.5" x 77.2")
Shipping Volume, Maximum*		1.87 m³ (66.0 cu.ft)	2.50 m³ (88.3 cu.ft)	2.86 m³ (100.9 cu.ft)	3.44 m³ (121.5 cu.ft)

* Hood only, excludes optional stand.

Engineering Drawing

965 / 1268 / 1645 / 1880 mm (38" / 50.0" / 64.8" / 74.0")
1035 / 1340 / 1575 / 1950 mm (40.7" / 52.8" / 62.0" / 76.8")
254mm (10")
705mm - 915mm (28" - 36")

700mm (27.5")
736 mm (29.0")
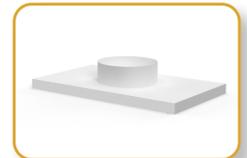765 mm (30.1")
1455 mm (57.3")
1485 mm (58.5")

1. OPTIONAL exhaust collar with 10" diameter
2. Secondary HEPA filter
3. Esco Sentinel™ Silver Microprocessor
4. Hinged window
5. Electrical Outlet
6. Interchangeable stainless steel waste bag port
7. Blower
8. Electrical/ Electronics panel
9. Primary HEPA filter
10. LED lamp
11. Polycarbonate sides
12. Cable port
13. 4" Diameter waste chute
14. Phenolic resin worktop

Common Accessories

Ergonomic Lab Chair

Exhaust Collar

IQ OQ

Foot Rest

Seismic Bracket

STA Support Stand