



Ascent™ Storage Cabinet, Model: ASC-4

Ascent™

Storage Cabinet

Filtered Storage Solution



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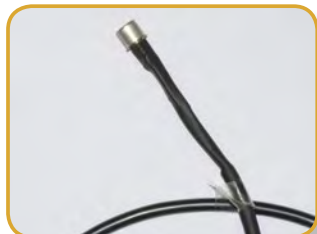
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Ascent™ Storage Cabinet

INTRODUCTION

Fumes from chemical containers often result to the storage cabinet's corrosion and contaminated air in the laboratory. Ascent™ storage cabinet is ideal in providing a safe and convenient storage solution. This cabinet is equipped with Nanocarb™ filters that effectively adsorb chemical fumes to provide operator and environment protection.

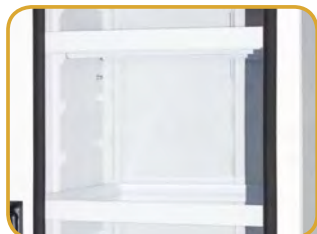
EACH ASC COMES STANDARD WITH:



VOC SENSOR



SENTINEL™ CONTROL SYSTEM



PP TRAYS



HEPA FILTER
(FOR B AND D SERIES ONLY)

FEATURES:



Easy Filter Change



Safety Lock to restrict access



Designed for Enhanced Usability and Efficiency

The Ascent™ Storage Cabinet is designed specifically to provide the operator with a high level of usability, comfort and visibility.

- Industrial-grade main body constructed of electro-galvanized steel: with an abrasion resistant white oven-baked powder-coated finish.
- Esco Isocide™ antimicrobial surface on all painted surfaces minimizes surface contamination.
- Multiple filter configuration options to suit customer's needs.
- Permanently lubricated direct drive centrifugal fan(s); energy efficient, extremely low noise and vibration levels due to proprietary construction and mounting technology.
- Acrylic Glass doors with alarms to notify if doors are left opened.
- Large tray capacity to accommodate more chemical bottles with different weights.

Enhanced Filtration System

Esco's Nanocarb™ activated carbon filters are constructed in order to ensure maximum filter efficiency, retention capacity and operator protection. Esco's research scientists and engineers, working in consultation with world-leading authorities on adsorption science, have developed the following set of unique technologies:

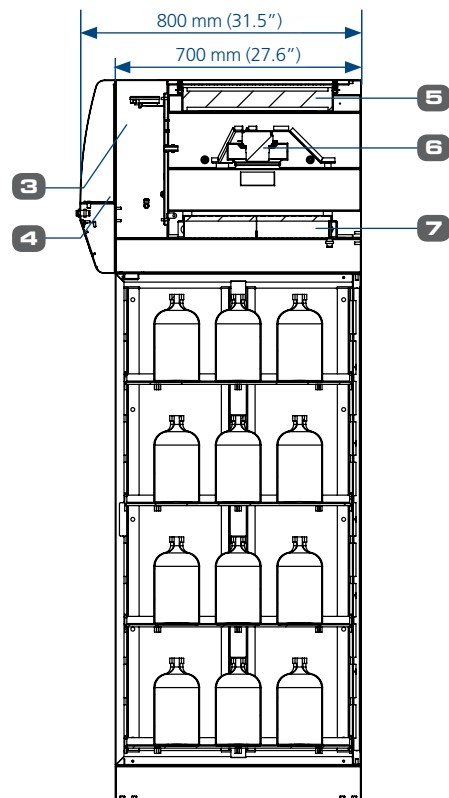
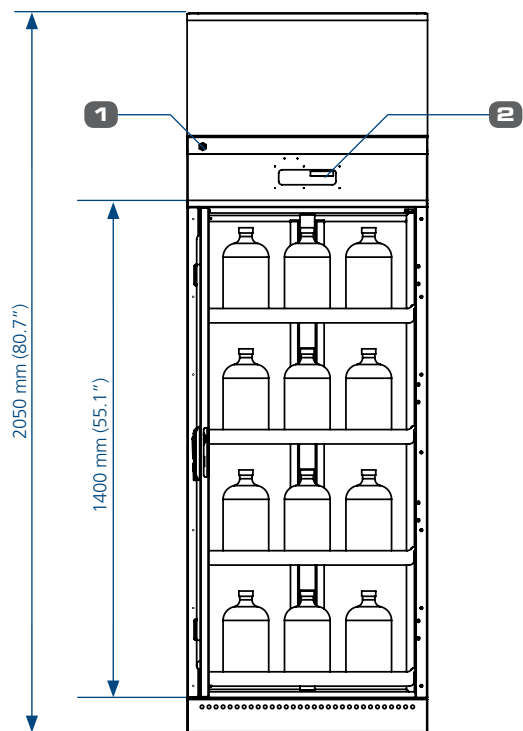
- Optimized retention capacity.
- Generously sized filters with more activated carbon by weight retain more chemicals and last longer.
- Proprietary computer modelling software to predict application suitability, filter saturation capacity, and efficiency for single and multiple compounds.
- Quick-change out filter clamping mechanism allows filter replacements to be carried out with minimal tools; even filter clamping (perimeter, not point force) prevents leaks from occurring.
- Diffusion technology to ensure even filter loading and better airflow uniformity.
- Can filter most commonly used solvents specially acids and organic solvents

Sentinel™ Microprocessor Control System

Esco's Sentinel™ microprocessor control system supervises the operation of all cabinet's functions. It is fully configurable and is equipped with enhanced features to promote cabinet usability. It also has a bright, easy to read LCD panel located at the center of the cabinet.

Guide to Models							
ASC - 4A8							
Model	Code	External Width	Code	Filter Configuration	Code	Electrical	Code
Ascent™ Storage Cabinet	ASC	27.0" (2ft.)	2	Carbon filter only	A	230 VAC , 50/60 Hz	8
		53.9" (4ft.)	4	Carbon Filter + HEPA Filter	B	115 VAC , 50/60 Hz	9
		80.9" (6ft.)	6	Carbon filter + Carbon filter	C		
				HEPA filter only	D		
				HEPA Filter + Carbon Filter	E		

Engineering Drawing



1. Sample Port
2. Sentinel™ Control System

3. Electrical panel
4. Front panel

5. Secondary Filter
(For B, C, and E series only)

6. Blower
7. Main Filter

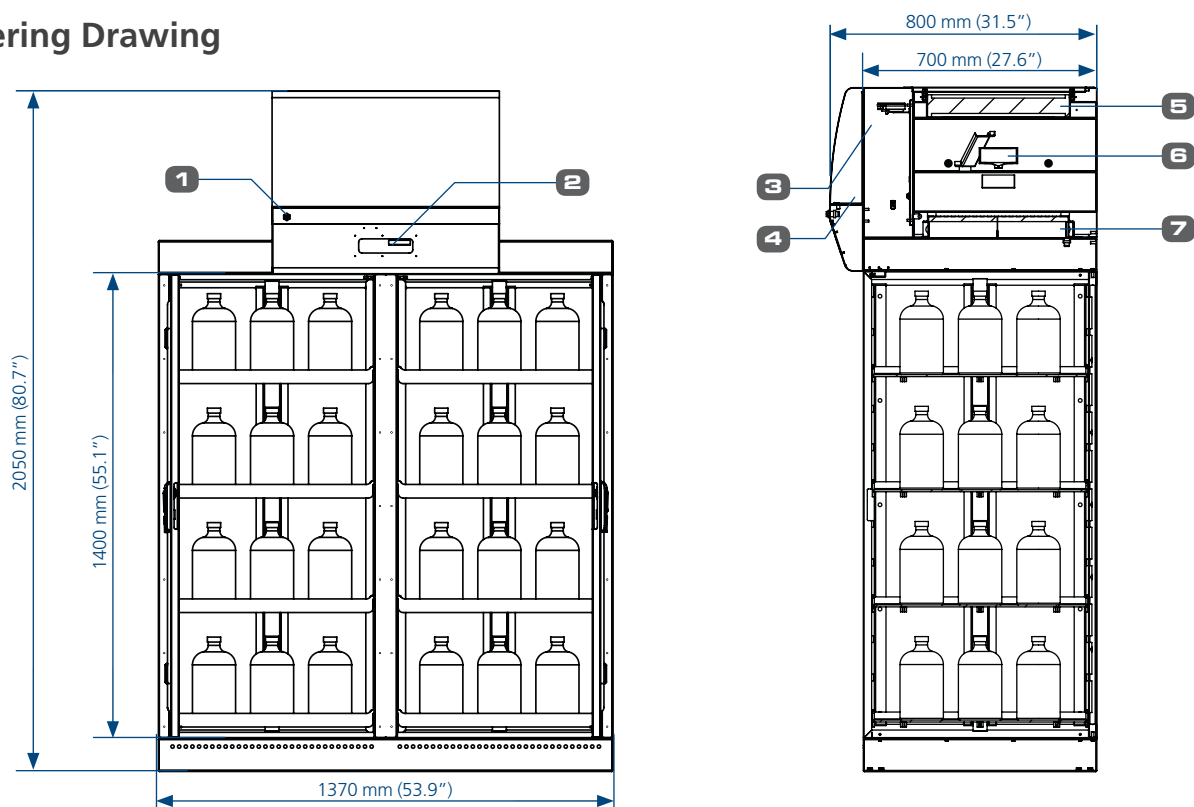
General Specifications, Ascent™ Storage Cabinet (2ft. series)

Models	220-240 VAC, 50-60 Hz, 1Ø	ASC-2A8 2040293	ASC-2B8 2040294	ASC-2C8 2040295	ASC-2D8 2040296	ASC-2E8 2040328
	110-120 VAC, 50-60 Hz, 1Ø	ASC-2A9 2040297	ASC-2B9 2040298	ASC-2C9 2040299	ASC-2D9 2040300	ASC-2E9 2040330
Nominal Size		0.7 m (2')				
External Dimensions (W x D x H)		685 mm x 700 mm x 2050 mm (27.0" x 27.6" x 80.7")				
Door		Powder Coated electro-galvanized steel door with 6 mm thick Acrylic window and lockable Swing Handle				
Main Body		1.2 mm 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester ISOCIDE™ antimicrobial powder coated finish				
Number of Blower/s		1				
Air volume		140 cfm				
Trays	Number of Trays	Standard: 4 Trays Maximum: 6 Trays				
	Tray capacity per bottle size	For 2.5 - 4 L bottles: each tray can fit 9 bottles For 2.0 L bottles: each Tray can fit 12 bottles				
	Maximum weight per tray	40 kg				
	Tray dimension	600 mm x 600 mm (23.6" x 23.6")				
	Tray material	Polypropylene				
Filtration Elements	Main Filter	Nanocarb™ Filter (type A-H)	Nanocarb™ Filter (type A-H)	Nanocarb™ Filter (type A-H)	HEPA filter	HEPA Filter
	Secondary Filter	None	HEPA Filter	Nanocarb™ Filter (type A-H)	None	Nanocarb™ Filter (type A-H)
Control System		Sentinel™ Silver microprocessor control system				
VOC Sensor		✓				
Door Alarm		✓				

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Engineering Drawing



1. Sample Port
2. Sentinel™ Control System

3. Electrical panel
4. Front panel

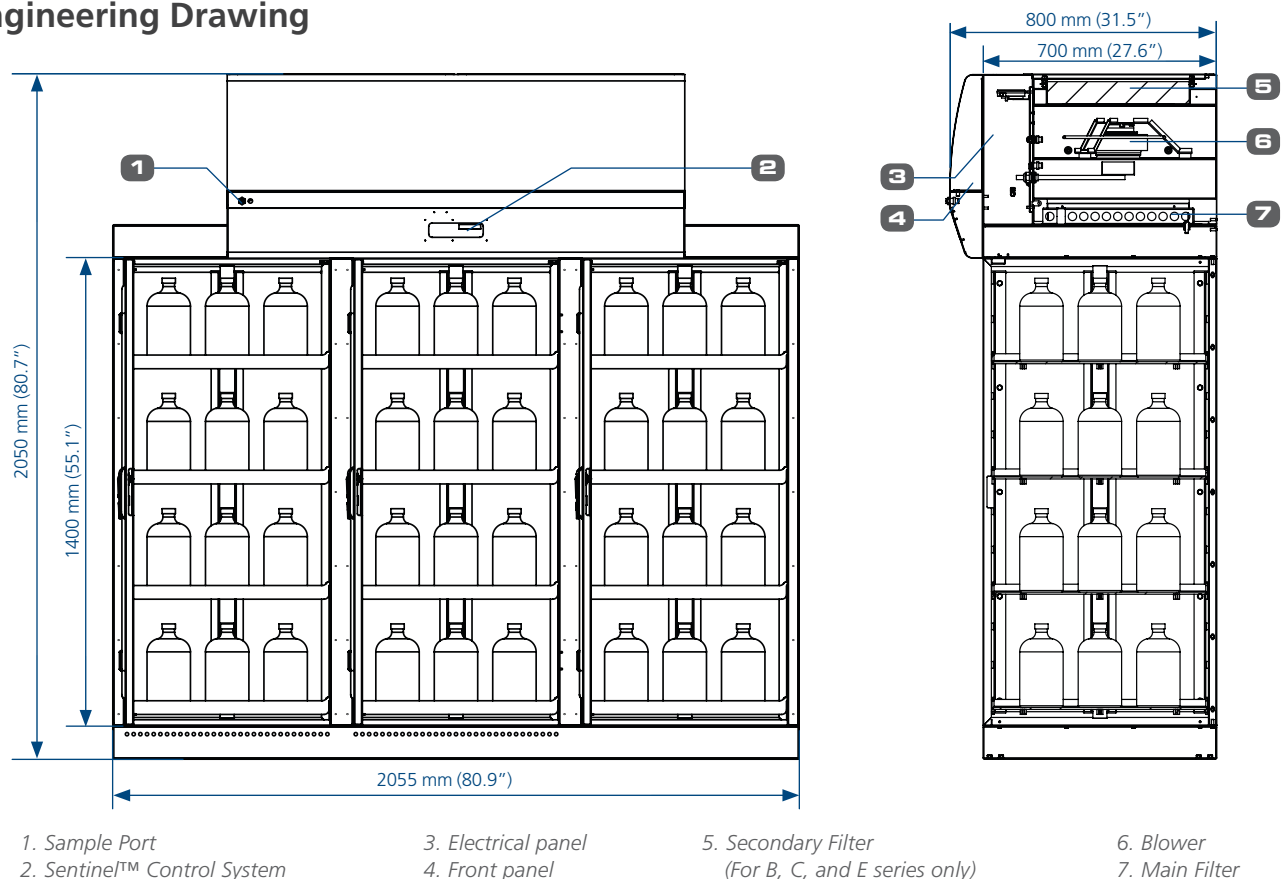
5. Secondary Filter
(For B, C, and E series only)

6. Blower
7. Main Filter

General Specifications, Ascent™ Storage Cabinet (4ft. series)

Models	220-240 VAC, 50-60 Hz, 1Ø	ASC-4A8 2040317	ASC-4B8 2040284	ASC-4C8 2040285	ASC-4D8 2040325	ASC-4E8 2040286
	110-120 VAC, 50-60 Hz, 1Ø	ASC-4A9 2040318	ASC-4B9 2040288	ASC-4C9 2040289	ASC-4D9 2040326	ASC-4E9 2040290
Nominal Size		1.2 m (4')				
External Dimensions (W x D x H)		1370 mm x 700 mm x 2050 mm (53.9" x 27.6" x 80.7")				
Door		Powder Coated electro-galvanized steel door with 6 mm thick Acrylic window and lockable Swing Handle				
Main Body		1.2 mm 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester ISOCIDE™ antimicrobial powder coated finish				
Number of Blower/s		1				
Air volume		140 cfm				
Trays	Number of Trays	Standard: 8 trays (4 per section) Maximum: 12 trays (6 per section)				
	Tray capacity per bottle size	For 2.5 -4L bottles: each tray can fit 9 bottles For 2.0 L bottles: each Tray can fit 12 bottles				
	Maximum weight per tray	40 kg				
	Tray dimension	600 mm x 600 mm (23.6" x 23.6")				
	Tray material	Polypropylene				
Filtration Elements	Main Filter	Nanocarb™ Filter (type A-H)	Nanocarb™ Filter (type A-H)	Nanocarb™ Filter (type A-H)	HEPA filter	HEPA filter
	Secondary Filter	None	HEPA filter	Nanocarb™ Filter (type A-H)	None	Nanocarb™ Filter (type A-H)
Control System		Sentinel™ Silver microprocessor control system				
VOC Sensor		✓				
Door Alarm		✓				

Engineering Drawing



General Specifications, Ascent™ Storage Cabinet (6ft. series)

Models	220-240 VAC, 50-60 Hz, 1Ø	ASC-6A8 2040319	ASC-6B8 2040321	ASC-6C8 2040323	ASC-6D8 2040327	ASC-6E8 2040331
	110-120 VAC, 50-60 Hz, 1Ø	ASC-6A9 2040320	ASC-6B9 2040322	ASC-6C9 2040324	ASC-6D9 2040328	ASC-6E9 2040332
Nominal Size		1.8 m (6')				
External Dimensions (W x D x H)		2055 mm x 700 mm x 2050 mm (80.9" x 27.6" x 80.7")				
Door		Powder Coated electro-galvanized steel door with 6 mm thick Acrylic window and lockable Swing Handle				
Main Body		1.2 mm 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester ISOCIDE™ antimicrobial powder coated finish				
Number of Blower/s		2				
Air volume		140 cfm				
Trays	Number of Trays	Standard: 12 trays (4 per section) Maximum: 18 trays (6 per section)				
	Tray capacity per bottle size	For 2.5 -4L bottles: each tray can fit 9 bottles For 2.0 L bottles: each Tray can fit 12 bottles				
	Maximum weight per tray	40 kg				
	Tray dimension	600 mm x 600 mm (23.6" x 23.6")				
	Tray material	Polypropylene				
Filtration Elements	Main Filter	Nanocarb™ Filter (type A-H)	Nanocarb™ Filter (type A-H)	Nanocarb™ Filter (type A-H)	HEPA filter	HEPA filter
	Secondary Filter	None	HEPA filter	Nanocarb™ Filter (type A-H)	None	Nanocarb™ Filter (type A-H)
Control System		Sentinel™ Silver microprocessor control system				
VOC Sensor		✓				
Door Alarm		✓				

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CARBON FILTER OPTIONS

Dimension : 425 X 520 X 65 mm

ITEM CODE	MODEL CODE	DESCRIPTION
5080003	CFA-11	Standard filter
5080095	CFB-11	Acid Filter
5080028	CFC-11	Mercury Filter
5080039	CFD-11	Sulphur Filter
5080050	CFE-11	Halogen Filter
5080061	CFF-11	Aldehyde Filter
5080072	CFG-11	Ammonia / Amine Filter
5080104	CFH-11	Ethers / Chloroforms Filter

ACCESSORIES AND OPTIONS

ITEM CODE	DESCRIPTION
5021370	Additional Polypropylene Tray 1 Set = 2 Trays: For 2 ft model – 1 set For 4 ft model – 2 sets For 6 ft model – 3 sets



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