

SafeStore™

Designed for Storage of Noxious
and Odorous Evidence

Storage cabinets for storage of hazardous
chemicals and other substances.

34S • 34T • 64T
Mini



— Safestore™ 64T

Provides Environmentally Safe
Processing and Storage of Evidence

Compliant with OSHA, ANSI and
other International Standards

BenchVent
The Bench Ventilation Company



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SafeStore[™]

Vented Chemical Storage Cabinets

- Activated carbon main filter formulated for general purpose storage to contain putrid organic odors as well as fumes (i.e. alcohol, solvents, gasoline, etc.).
- Perforated polypropylene shelves.
- With HEPA filter, eliminates exposure to biological particulates; see Accessories.
- Upflow airflow geometry operates at 120-180 FPM face velocity to exchange air through activated carbon main filter.
- Available with windowless doors.

• Safestore 34S



INTRODUCTION

Safestore[™] Vented Chemical Storage Cabinets are useful for storage of noxious or odorous chemicals. These cabinets minimize health and environmental risks in handling chemical vapors and residues, VOCs and general laboratory functions. The Air Science Multiplex[™] filtration system protects the safety of personnel during use, maintenance and decontamination.

APPLICATIONS

- State and Federal Crime Laboratories
- Medical Examiners and Coroners
- Law Enforcement Agencies
- Hospital Emergency Rooms
- Drug Agencies



DUCTLESS TECHNOLOGY: The Eco-friendly Choice

Advanced carbon filtration technology offers a safe, high performance alternative to ducted cabinets for a broad range of applications. The Air Science carbon filter provides superior efficiency with an optional safety filter to bring the cabinet into full ANSI compliance.

Environmental Benefits:

Safestore cabinets isolate and trap biological and chemical vapors to prevent operator exposure,

to prevent cross-contamination, and to eliminate ecological impact through chemical or particulate release into the environment.

Easy to Install:

Safestore cabinets are self contained. Set-up, operation and filter maintenance are straightforward.

Energy Efficient:

Because filtered air is returned to the room, no demands are required of the facility HVAC capacity for make-up air.

Cost Effective:

Facility ductwork, HVAC and construction costs are eliminated.



This Product Exceeds OSHA, ANSI and Other International Standards.



PRODUCT FEATURES:

A. Control Panel: Electronic controls and displays include switches for the blower and lights and low airflow alarm all located on a convenient front surface panel.

B. Airflow Alarm: A continuous air velocity monitoring system alerts the operator upon unacceptable values.

C. Dynamic Filtration Chamber: The dynamic filter chamber prevents any possible leakage of contaminated air by pressurizing the fan plenum (positive air) and depressuring the filter compartment (negative air).

D. Filter: Includes carbon filter. Optional HEPA filter available; see Accessories.

E. Construction: The standard size and tall cabinets feature all polypropylene construction, while the Safestore Mini features epoxy-coated steel construction.

OTHER FEATURES:

Safe to Use: Cabinet airflow and face velocity protect users from incidental exposures to fumes, odors or bloodborne pathogens.

Self Testing: Electronic airflow monitoring assures continuous safety. An optional filter saturation alarm (electronic gas sensor) monitors carbon filter performance on select models.

Easy to Clean: Safestore cabinets are constructed of polypropylene that does not absorb liquids, is easily cleaned with household detergents, and can be sprayed with a 10% bleach solution to eliminate biological contaminants.

Construction: The cabinet features white polypropylene.

SafeStore 34T



Standard on Safestore, the **Basic** control panel. Includes On/Off switch and low airflow alarm.



Optional **Advanced** control panel with hour meter to aid in determining available filter life and **Filter Saturation Alarm (FSA)**. The FSA adds an electronic gas sensor and emits audio and visual alerts when the main filter needs to be changed.

THE AIR SCIENCE PERFORMANCE ADVANTAGE

Safestore storage cabinets include features expressed through sound design and certified quality construction. Accessories add functional performance to meet specific applications.

- **Professional Quality.** Safestore storage cabinets comply with current technical and safety regulations.
- **Multiplex Filtration.** The Air Science Multiplex Filter offers high performance and safety.
- **Industrial Components.** The cabinet frame and work surfaces are durable and chemically resistant.
- **Reliability.** Internal systems are isolated from fumes, extending product life.



The Safestore Mini features the same protection from noxious or odorous fumes as the full size Safestore cabinets, but in a convenient, benchtop solution. Available in a single level or a stacked, two-tiered configuration, the Safestore Mini helps eliminate risks from chemical vapors, residues, and VOCs through the use of the Multiplex filtration system.

Safestore Mini Double and Mini Single

multiple^x

MULTIPLEX™ FILTRATION TECHNOLOGY

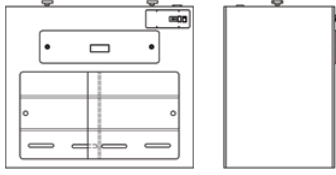
Multiplex Filtration consists of a pre-filter and main filter to create a combination of chemical and physical architecture customized to each application. The mechanical design enhances safety, convenience and overall value.

- The electrostatic pre-filter is accessible from within the cabinet.

- A filter clamping mechanism allows for the filter to be easily installed and ensures an even seal at the filter peripheral face at all times to prevent bypass leakage.
- The filter chamber prevents contaminated air from contacting internal cabinet mechanisms.
- The main filter number and installation date are displayed in a front-access window.

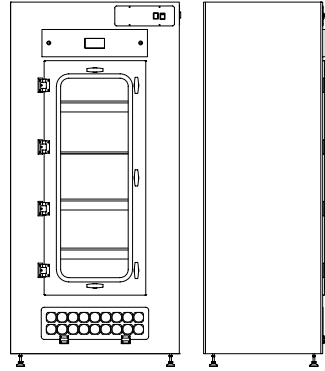
The Air Science carbon filtration technique is based on enhanced, activated carbon particle formulations from specially selected, naturally occurring raw material superior to wood or other organic sources. The carbon is treated to attain the proper porosity and aggregate surface area and to react with several ranges of aerosolized chemicals moved through the filter by an air handling blower.

- The carbon filter is a self-contained assembly sized to fit the specified product model number, and configured to optimize airflow across 100% of the filter surface area for maximum efficiency, prolonged filter life, optimal diffusion and saturation capacity, and user safety.
- Air Science is the single source supplier for all pre-filters and carbon filters used in its products, plus those of many other manufacturers.



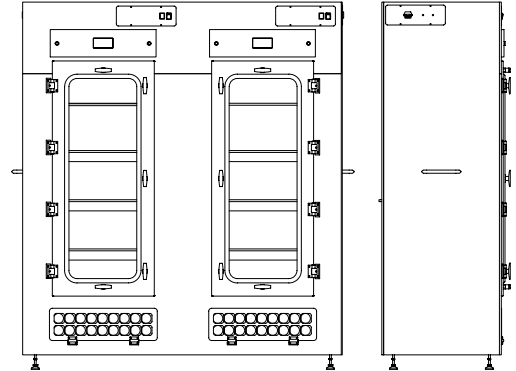
34S

(side view)



34T

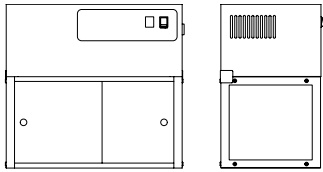
(side view)



64T

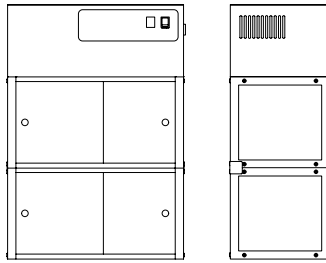
(side view)

MODEL	DIMENSIONS		WEIGHT (lbs/Kg)	
	External (W x D x H)	Shipping (W x D x H)	Net	Ship
Safestore				
34S	34" x 20" x 29" 864 x 508 x 740 mm	40" x 40" x 40" 1016 x 1016 x 1016 mm	115 / 55	170 / 80
34T	34" x 24" x 71" 864 x 610 x 1800 mm	40" x 40" x 87" 1016 x 1016 x 2210 mm	229 / 104	273 / 124
64T	64" x 24" x 71" 1626 x 610 x 1800 mm	80" x 40" x 87" 2032 x 1016 x 2210 mm	586 / 266	609 / 276



Mini Single

(side view)



Mini Double

(side view)

Safestore Mini

Mini Single	21" x 12" x 20" 538 x 305 x 504 mm	24" x 22" x 18" 610 x 559 x 457 mm	29 / 14	74 / 34
Mini Double	21" x 12" x 31" 538 x 305 x 784 mm	24" x 22" x 36" 610 x 559 x 914 mm	45 / 20	90 / 41

PRODUCT SPECIFICATIONS

Safestore Model	34S	34T 64T	Mini Single Mini Double
Airflow	<... Upflow. ...>		
Construction	Polypropylene.		Epoxy coated steel.
Door	Sliding.	Hinged, keylocked.	Sliding.
Electrical	<... 120V, 60Hz, or 220V, 50Hz available, specify when ordering. ...>		
Monitoring	<... Low airflow. ...>		

OPTIONS & ACCESSORIES

Safestore Model		34S	34T 64T	Mini Single Mini Double
Cabinet Lighting*	Compact fluorescent bulb removed from air stream.	--	SS-LI	--
UV Lamp**	A 254nm 15W UV lamp is available for overnight decontamination of interior surfaces. The UV operation must comply with local codes and facility safety practices.	--	UV-SS	--
Wheels*	Standard leveling feet, optional locking wheels.	SS-WHL	SS-WHL	--
HEPA Filter (Safestore 64T requires 2 filters)	A self-contained filter designed to physically capture particles larger than 0.3 microns.	ASTS-030	ASTS-030	AP60-030
Filter Saturation Alarm*	An electronic gas sensor emits audio and visual alerts when the main filter needs to be changed.	FSA	FSA	FSA

* Factory installed; specify when ordering.

** Includes timer, and door micro switch. Safety precautions must be followed.

STANDARDS & COMPLIANCE

Quality Management Systems	ISO 9001:2015
Chemical Fume Containment	ANSI/ASHRAE 110 1995
Carbon Filter Efficiency	BS 7989-2001 SEFA Standard 9 AFNOR NFX 15-211
Electrical Safety*	UL-C-61010-1, CE Mark, ROHS Exempt under EEE Category 9 TUV
Product Design	ANSI Z 9.5-2003 ANSI Z 9.7-1998
OSHA, Occupational Safety and Health Administration	OSHA Standard -29 CRF, Safety and Health Regulations for General Industry, 1910.1450: Occupational exposure to hazardous chemicals in laboratories. Part B, definition, laboratory type hood. All Air Science products meet this definition.
Environment	ISO 14001:2015 Energy Star® Partner

* For standard controls only.



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