

# Vented Chemical Storage Cabinets

## Introduction

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 cabinet filtration system protects the safety of personnel during use, maintenance, and decontamination.

## Features

- Front panel electronic controls and displays include blower and lights switches and low airflow alarm
- Continuous air velocity monitoring system
- Dynamic filter chamber designed to prevent contaminated air leakage by pressurizing the fan plenum (positive air) and depressurizing the filter compartment (negative air)
- Includes carbon filter; optional HEPA filter available
- Air handling system delivers face velocity of 120-180 FPM with upflow airflow geometry
- Perforated polypropylene shelves
- Available in three sizes
- Standard and tall sizes feature polypropylene construction; compact size features epoxy-coated steel construction

## DUCTLESS FILTRATION

### THE ECO-FRIENDLY CHOICE

Advanced HEPA filtration offers a safe, high performance alternative to conventional ducted cabinets for a broad range of applications:

- **Environmental Benefits.** Ductless enclosures isolate and trap powders and particulates to prevent ecological impact through release into the environment.
- **Safer Filter Replacement.** The optional filter shutter system for bag-out filter replacement system minimizes exposure to filter contaminants when removing used filters for insertion of new filters.
- **Versatile.** The DFE line includes a factory installed exhaust canopy that allows thimble ducting to the outside. HEPA/ULPA filters also provide high levels of biological safety.
- **Easy to Install.** The ductless balance enclosure is self-contained and does not require venting to the outside. The enclosure is portable and may be moved from one location to the next with minimal downtime and without filter changes. 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.
- **Safe to Use.** Workstation airflow and face velocity protect users from incidental exposures to powders or particulates.
- **Self-testing.** Electronic airflow monitoring assures continuous safety.



**Bench Vent**  
The Bench Ventilation Company

The World's Most Extensive Selection of Ductless Containment Solutions.

Also Meets or Exceeds OSHA, ANSI and other International Standards

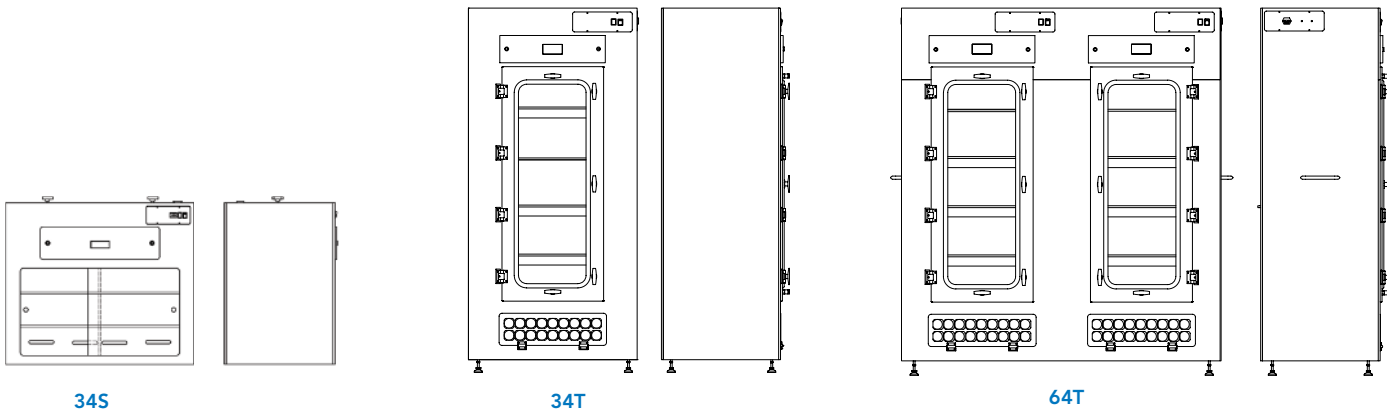


# VENTED CHEMICAL STORAGE CABINETS

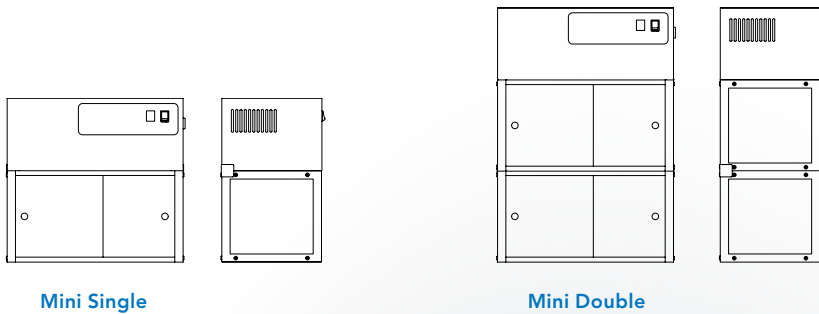
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## VENTED CHEMICAL STORAGE CABINETS FEATURES & BENEFITS

- Cabinets comply with current technical and safety regulations
- Safe, high performance alternative to ducted cabinets for numerous applications
- Activated carbon main filter formulated for general purpose storage to contain organic odors and chemical fumes (i.e. alcohol, solvents, gasoline, etc.)
- Optional HEPA filter eliminates exposure to biological particulates
- Protects users from incidental exposures to fumes, odors, or blood-borne pathogens
- Self-contained cabinet with straightforward operation and easy filter maintenance
- Available with windowless doors for photosensitive storage applications



MODEL	DIMENSIONS		WEIGHT (lbs/Kg)	
	External (W x D x H)	Shipping (W x D x H)	Net	Ship
<b>Standard Models</b>				
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 Models

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

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### PRODUCT SPECIFICATIONS

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

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.