

CLEATECH LLC.



Product Sampler

Laboratory Fume Hoods



CLEATECH LLC.

Critical Laboratory solutions

Manufacture of a complete line of Stainless Steel and Plastic Products for Cleanroom and Labs

- Hoods and Laminar Flow Workstation
- Desiccator, Low-Humidity storage cabinets
- Glove Box Systems
- Laboratory Fume hoods
- Cleanroom and Laboratory Furnitures

Portable Ductless Fume Hoods, HEPA & Carbon Filter, Transparent

Cleatech benchtop ductless fume hoods are portable ductless enclosures with folding sash that remove hazardous fumes, vapors and particles from the laboratory. The air is directed into the filter chamber which houses various filter media (HEPA / Carbon) dependent on the type of particulate / vapor is generated. Different filtration combinations such as one or two types of carbon filter, only a HEPA filter, or a HEPA and a carbon filter.



Features:

Chemical Resistant Polypropylene Worksurface
 Choice of HEPA filter, Activated Carbon filter or Combine
 1250 CFM (rated at 0" static pressure) variable-speed

Model	No. Fan	Overall Dimensions	Inside Dimensions	Clear AR Polycarbonate	Static Dissipative PVC
24"	1	24" x 18.5" x 29.5"	23" x 17.75" x 17"	1100-2-A \$2,090	1100-2-C \$2,300
32"	1	32" x 18.5" x 29.5"	31" x 17.75" x 17"	1100-2-D \$2,300	1100-2-F \$2,610
48"	2	48" x 24" x 36.25"	47" x 23.25" x 24"	1100-2-G \$3,590	1100-2-J \$3,710
Polypropylene/AR Polycarbonate Sash					
60"	2	60" x 30" x 42"	59" x 29.25" x 30"	1100-2-L \$4,520	
72"	2	72" x 30" x 42"	71" x 29.25" x 30"	1100-2-M \$4,990	
96"	3	96" x 30" x 42"	95" x 29.25" x 30"	1100-2-N \$6,350	

Accessories:

- Airflow Alarm Monitor • Airflow Monitor with touchscreen • Mobile stand 30" or 35" Height

Free-Standing Ductless Fume Hoods ,HEPA Filter

Free-standing fume hoods capable of enclosing equipment up to 65 in. tall. Available with optional bolt-down Leveling mount or Caster. Epoxy powder coated steel frame construction, Polypropylene Fan / Filter housings and back panel, Clear PVC side panels, Front opening covered by clear vinyl curtain strips overlapped. (Tilt-up sash is available upon request)



Features:

Inside usable space: 50", 62" or 73"W x 33"D x 75"H
 Two Blower Modules each 1250 CFM (rated at 0" static pressure)
 HEPA Filters efficiency 99.97% @ 0.3 micron particles
 External mount Florescent light or LED
 Vinyl curtain strips overlapped front entry with custom height (Tilt-up Sash optional)

SKU	Description	Material	Dimensions	Price
1100-2-K	4 Feet Free-standing Ductless Fume Hoods	Steel & PVC	52"x35"x82"	\$3,920
1100-2-P	5 Feet Free-standing Ductless Fume Hoods	Steel & PVC	66"x35"x82"	\$4,850
1100-2-I	6 Feet Free-standing Ductless Fume Hoods	Steel & PVC	76"x35"x82"	\$5,150

Accessories:

- Power Strip • Air velocity Meter • Front Hinged Tilt-up Sash • HEPA Filter • Duct Port

Ducted Fume Hoods, High Clearance, Benchtop

Cleatech benchtop ducted fume hoods are ventilated enclosures for storing or experimenting with potentially hazardous fumes, vapors & chemical powders. They feature transparent walls for optimum visibility and polypropylene spill tray for working with strong chemicals. These exterior-venting exhaust hoods require ductwork and may be used for application involving with high volumes of volatile organics and heavy powder.



Features:

Chemical Resistant Polypropylene Worksurface resists acids and other chemicals.

Choice of Duct port from 4" OD to 10" OD

Optional Blower Module with Adjustable fan speed

Average airflow velocity 90 feet/minutes (fpm)

Two hinged access shield that increases air speed

SKU	Description	Material	Dimensions	Price
1100-7-A	18" Ducted Fume Hoods	Polycarbonate	18"x24"x25"	\$1,080
1100-7-B	24" Ducted Fume Hoods	Polycarbonate	24"x24"x25"	\$1,150
1100-7-C	32" Ducted Fume Hoods	Polycarbonate	32"x24"x25"	\$1,260
1100-7-D	36" Ducted Fume Hoods	Polycarbonate	36"x24"x25"	\$1,320
1100-7-E	48" Ducted Fume Hoods	Polycarbonate	48"x24"x25"	\$1,580
1100-7-F	60" Ducted Fume Hoods	Polycarbonate	60"x24"x25"	\$1,690
1100-7-G	72" Ducted Fume Hoods	Polycarbonate	72"x24"x25"	\$1,790

SKU	Description	Material	Dimensions	Price
1100-8-A	18" Ducted Fume Hoods	Non-Dissipative PVC	18"x24"x25"	\$1,180
1100-8-B	24" Ducted Fume Hoods	Non-Dissipative PVC	24"x24"x25"	\$1,265
1100-8-C	32" Ducted Fume Hoods	Non-Dissipative PVC	32"x24"x25"	\$1,725
1100-8-D	36" Ducted Fume Hoods	Non-Dissipative PVC	36"x24"x25"	\$1,450
1100-8-E	48" Ducted Fume Hoods	Non-Dissipative PVC	48"x24"x25"	\$1,730
1100-8-F	60" Ducted Fume Hoods	Non-Dissipative PVC	60"x24"x25"	\$1,850
1100-8-G	72" Ducted Fume Hoods	Non-Dissipative PVC	72"x24"x25"	\$1,960

SKU	Description	Material	Dimensions	Price
1100-9-A	18" Ducted Fume Hoods	Static Dissipative PVC	18"x24"x25"	\$1,510
1100-9-B	24" Ducted Fume Hoods	Static Dissipative PVC	24"x24"x25"	\$1,770
1100-9-C	32" Ducted Fume Hoods	Static Dissipative PVC	32"x24"x25"	\$1,880
1100-9-D	36" Ducted Fume Hoods	Static Dissipative PVC	36"x24"x25"	\$1,950
1100-9-E	48" Ducted Fume Hoods	Static Dissipative PVC	48"x24"x25"	\$2,390
1100-9-F	60" Ducted Fume Hoods	Static Dissipative PVC	60"x24"x25"	\$2,590
1100-9-G	72" Ducted Fume Hoods	Static Dissipative PVC	72"x24"x25"	\$2,680

Accessories:

•Fan Module, adjustable speed •Duct Port 6", 8" or 10" OD •Airflow Alarm Monitor • Airflow Monitor with touchscreen •Sink and Faucet •External LED Light •Swing Vane Manometer •Stand 30" or 35" Height, epoxy Powder Coated Steel with Leveling •Polypropylene Base Cabinet

Ducted Fume Hoods, Polypropylene, Optional Worksurface

Polypropylene Fume Hoods from Cleatech are excellent chemical resistant laboratory safety hood designed for high corrosive applications such as acid handling and they are protecting laboratory workers when working with toxic chemicals, vapors, gases, dusts, flammable and hazardous materials. They require ductwork. Available with and without bottom work surface and in variety of sizes.



Picture above shown with optional Fan and Worksurface

Features:

- Optional Polypropylene Worksurface
- Choice of Duct port from 4" OD to 10" OD
- Optional Blower Module with Adjustable fan speed
- Average airflow velocity 90 feet/minutes (fpm)
- Two hinged access shield AR Polycarbonate

SKU	Description	Material	Dimensions	Price
1100-4-A	24" Ducted Fume Hoods	White Polypropylene	24"x24"x25"	\$1,120
1100-4-B	32" Ducted Fume Hoods	White Polypropylene	32"x24"x25"	\$1,290
1100-4-C	36" Ducted Fume Hoods	White Polypropylene	36"x24"x25"	\$1,420
1100-4-D	48" Ducted Fume Hoods	White Polypropylene	48"x24"x25"	\$1,620
1100-4-E	60" Ducted Fume Hoods	White Polypropylene	60"x24"x25"	\$1,860
1100-4-F	72" Ducted Fume Hoods	White Polypropylene	72"x24"x25"	\$2,190

Accessories:

- Worksurface Permanent •Sink and Faucet •Fan Module, adjustable speed •Duct Port 6", 8" or 10" OD
- Airflow Alarm Monitor • Airflow Monitor with touchscreen • Swing Vane Manometer •Stand 30" or 35" Height, epoxy Powder Coated Steel •Polypropylene Base Cabinet •External LED Light

Ducted Fume Hoods, Stainless Steel, Optional Worksurface

Stainless steel fume hoods with duct port fabricated of grade 304 stainless steel with finish number 4, They have good resistance to a wide range of chemicals and excellent moisture and heat resistance. They are ESD safe suitable for electro static sensitive applications.



Features:

- Optional Stainless Steel Worksurface
- Choice of Duct port from 4" OD to 10" OD
- Optional Blower Module with Adjustable fan speed
- Average airflow velocity 90 feet/minutes (fpm)
- Two hinged access shield that increases air speed

SKU	Description	Material	Dimensions	Price
1100-6-A	24" Ducted Fume Hoods	304 Stainless Steel	24"x24"x25"	\$1,995
1100-6-B	32" Ducted Fume Hoods	304 Stainless Steel	32"x24"x25"	\$2,050
1100-6-C	36" Ducted Fume Hoods	304 Stainless Steel	36"x24"x25"	\$2,200
1100-6-D	48" Ducted Fume Hoods	304 Stainless Steel	48"x24"x25"	\$2,350
1100-6-E	60" Ducted Fume Hoods	304 Stainless Steel	60"x24"x25"	\$2,790
1100-6-F	72" Ducted Fume Hoods	304 Stainless Steel	72"x24"x25"	\$3,370

Accessories:

Same as Polypropylene Hoods

Downflow Workstation, Benchtop

Cleatech® Downflow Workstation is a benchtop ductless unit with a built-in blower. To protect lab operator, hazardous fumes, powders or vapors are collected through perforations on the work surface, clean, contaminant free air is returned into the laboratory space.

Features:

Stainless Steel Removable Worksurface
 Adjustable speed fan 580 CFM
 Pre-filter polyurethane foam
 Optional HEPA or Carbon filter
 Airflow 350 CFM
 Face Velocity Average 80fpm



Optional Side Panels & Front Sash

SKU	Description	Material	Dimensions	Price
1100-1-A	24" Downflow Workstation	White Polypropylene	24"x27"x40"	\$1,650
1100-1-B	32" Downflow Workstation	White Polypropylene	32"x27"x40"	\$1,850
1100-1-C	36" Downflow Workstation	White Polypropylene	36"x27"x40"	\$2,090

Accessories:

- HEPA Filter 99.97% @ .3µm particles for applications involving powders or dry particulates
- Activated charcoal carbon filter for applications involving chemicals and solvents
- Front sash and Side panels
- Duct Port 6", 8" or 10" OD
- Stand 30" or 35" Height, epoxy Powder Coated Steel with Leveling mount or Caster
- External LED Light
- Front and side sashes

Free-Standing Ducted Fume Hoods, Optional Shelving

Free-standing Ducted fume hoods capable of enclosing equipment up to 65 in. tall. Feature bolt-down Leveling mount. Epoxy powder coated steel frame construction, Polypropylene Fan / Filter housings and back panel, Custom height clear PVC side panels, clear vinyl strips for Front opening (Tilt-up sash is available upon request)

Features:

Inside usable space: 48", 60" or 72"Wx 30"Dx 70"H
 Choice of Duct port 8", 10" or 12" OD
 Two Blower Module with Adjustable fan speed, 540 CFM each
 External mount LED light
 Vinyl curtain strips overlapped front entry with custom height (Tilt-up Sash optional)



SKU	Description	Material	Dimensions	Price
1100-10-A	4 ft. Free-Standing Ducted Hoods	Steel, PVC, Polypro.	51"x31"x82"	\$4,495
1100-10-B	5 ft. Free-Standing Ducted Hoods	Steel, PVC, Polypro.	63"x31"x82"	\$4,880
1100-10-C	6 ft. Free-Standing Ducted Hoods	Steel, PVC, Polypro.	75"x31"x82"	\$5,220

Accessories & Options:

- Exhaust HEPA filter
- Chrome plated Wire shelf
- Solid Polypropylene shelf
- Power Strip
- Air velocity Meter
- Front Hinged Tilt-up Sash

Ducted Fume Hoods, Vertical Sliding Sash

Cleatech General-purpose high-performance Benchtop Fume Hoods. Double wall design constructed with durable steel with chemical-resistant liners. Available with Automatic sash closing option. A suitable ventilation system for providing personal protection needed for general chemistry, educational applications involving fumes and vapors



Features:

- Slotted baffle system for proper air flow.
- Aerodynamic airfoil hood provides more even airflow by avoiding sharp curves that can create turbulence.
- Vertical sliding sash, with chain and sprocket mechanism.
- Dished work surface designed to safely contain spills. Available in 304 Stainless steel, Polypropylene and phenolic resin.
- Removable access panels are to easily access service lines.
- Airflow Alarm to ensure adequate face air velocity.
- Durable external mount LED lighting provide very energy efficient illumination.
- Stainless steel 10" Duct collar(s)
- Fume hoods are tested to comply with ASHRAE 110:1995 and EN14175-3 standards.
- Can be converted to a Variable air volume (VAV) hood with optional VAV controller.

SKU	Description	Overall Dimensions	Internal Dimensions	Start Price
1100-3-A	48" Width Ducted Fume Hood	48"x34"x55"	39"x24"x47"	\$7,810
1100-3-B	60" Width Ducted Fume Hood	60"x34"x55"	51"x24"x47"	\$8,410
1100-3-C	72" Width Ducted Fume Hood	72"x34"x55"	63"x24"x47"	\$8,950
1100-3-D	96" Width Ducted Fume Hood	96"x34"x55"	87"x24"x47"	RFQ
1100-3-E	48" Width Ducted Fume Hood	48"x40"x55"	39"x30"x47"	RFQ
1100-3-F	60" Width Ducted Fume Hood	60"x40"x55"	51"x30"x47"	RFQ
1100-3-G	72" Width Ducted Fume Hood	72"x40"x55"	63"x30"x47"	RFQ

Accessories & Options:

- Base cabinet Standard for general purpose storage needs
- Acid and corrosive storage cabinet *
- Flammable Steel base cabinets for Flammable environment *
- Duplex power outlet GFCI
- Pre-plumbed Remote service fixture for water, air and gas
- Open frame 35" High stand with leveling mount
- Fan switch and remote exhaust blower
- Automatic sash controller.
- Optional ceiling enclosure available that extend above the top of the hood to hide exposed ductwork plumbing and wiring
- Hoods can be converted to a Variable air volume (VAV) hood with optional VAV controller.

Note: Auto sash controller maximizes energy savings and provides increased safety for the operator. The auto sash controller is designed to close the sash automatically when the operator is not present in front of the fume hood. When the operator is present the sash can be operated manually via the keypad or using an optional foot switch.

Containment Ventilated Enclosures (Powder Containment Hoods)

USP 800 compliant negative pressurized enclosure, can be used for powder handling and non-sterile compounding of hazardous drugs. If use a single-HEPA filter they must be hard ducted to an external exhaust system. Optional redundant filter (Double HEPA filter) is for application require a portable and ductless containment hood.



Features:

- Sash material AR Polycarbonate
- Fan module 0 to 580 CFM (at 0" W.G. static pressure)
- HEPA filters efficiency 99.97% @ 0.3 micron particles
- External mount LED light.
- Removable airfoil located along the front bottom
- Rear baffle, create slotted openings along the back of the hood

SKU	Description	Material	Dimensions	Price
1100-5-A	24" Width, Single HEPA and 10" Duct port	Polypropylene	24"x24"x25"	\$3,450
1100-5-A2	24" Width Enclosures, Double HEPA	Polypropylene	24"x24"x25"	\$3,820
1100-5-B	32" Width, Single HEPA and 10" Duct port	Polypropylene	32"x24"x25"	\$3,890
1100-5-B2	32" Width Enclosures, Double HEPA	Polypropylene	32"x24"x25"	\$4,165
1100-5-C	36" Width, Single HEPA and 10" Duct port	Polypropylene	36"x24"x25"	\$4,490
1100-5-C2	36" Width Enclosures, Double HEPA	Polypropylene	36"x24"x25"	\$4,765
1100-5-D	48" Width, Single HEPA and 10" Duct port	Polypropylene	48"x24"x25"	\$4,830

Custom/ Specialty Exhaust Hoods



Stainless Steel Fume Exhaust Enclosure with Side mounted Exhaust plenum, Abrasion Resistant Polycarbonate Sliding Sash



Stainless Steel Exhaust Hood with Chemical storage base cabinet and Built-in Blower and HEPA filter module. Clear Static dissipative PVC front tilt-up Sash



Chemical & Corrosive Resistant Polypropylene Hood with Double sink and laboratory grade faucets, epoxy powder coated steel stand

Biological Safety Cabinets, Class II, Type A2

Cleatech offers class II biological safety cabinet which is a combination of Laminar flow hood and a laboratory fume hood that Provides personnel, product, and environmental protection, Biosafety Class II Type A2 recirculate 70% of the HEPA-filtered laminar air while 30% passes through an exhaust HEPA filter for discharge to the lab.



Features:

Available in 3, 4 and six feet
 Two, 99.999% efficiency at 0.3um
 Working area: 304stainless steel/ Frame: coated cold-rolled steel
 Include Water and Gas tap, UV lamp, Base Stand
 Abnormal airflow velocity; Filter change; Front Window over height Alarm

SKU	Description	Internal Dimensions	Price
BSC-A2-24	2 ft. portable BSC Class II type A2	24"x 20"x21"	\$4,500
BSC-A2-NSF36	3 ft. BSC Class II type A2, NSF Certified	36"x 26"x26"	\$6,390
BSC-A2-NSF48	4 ft. BSC Class II type A2, NSF Certified	47.65"x26"x26"	\$6,600
BSC-A2-NSF72	6 ft. BSC Class II type A2, NSF Certified	67"x26"x26"	\$7,950

Optional Accessories:

- Armset • Airflow tester • Formalin fumigation sterilizer • Infrared sterilizer • Adjustable base stand
- Remote control

Biological Safety Cabinets, Class II, Type B2

BSC Class II type B2 is a total exhaust cabinet protects the user, product and lab. They are designed to be hard ducted to the outside, exhausting 100% of the HEPA-filtered air outside the lab.



Features:

Available in 3, 4, 5 and six feet
 Two, 99.999% efficiency at 0.3um
 Working area: 304stainless steel/ Frame: coated cold-rolled steel
 Include Water and Gas tap, UV lamp, Base Stand
 Abnormal airflow velocity; Filter change; Front Window over height Alarm

SKU	Description	Internal Dimensions	Price
BSC-B2-36	3 ft. BSC Class II type B2	38"x 24"x26"	\$6,600
BSC-B2-48	4 ft. BSC Class II type B2	46"x 24"x26"	\$7,400
BSC-B2-60	5 ft. BSC Class II type B2	54"x 24"x26"	\$8,400
BSC-B2-72	6 ft. BSC Class II type B2	66"x 24"x26"	\$8,900

Accessory Included:

- Fluorescent lamp • UV lamp, Base stand • Remote control • Foot switch • Exhaust blower • Exhaust duct • Drain valve • Water proof sockets • Pipe strap

Optional Accessory:

- Water and gas tap

Useful Resources and Links



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