

PLASTIC CONCEPTS, INC.

PRODUCT CATALOG

Engineered laboratory, cleanroom, process and containment solutions.

LIFE SCIENCE

PHARMA + BIOTECH

SEMICONDUCTOR

MEDICAL DEVICE



PRECISION ENGINEERING. PURPOSE-BUILT SOLUTIONS.

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PCI CATALOG PRINT EDITION OCTOBER 2026

About Us

Our History and Evolution



PCI was established over three decades ago, initially concentrating on chemical handling and industrial ventilation in highly corrosive settings. Through this specialized focus, PCI quickly earned recognition as a leading, preferred supplier within the semiconductor and trace metal industries. Our expertise became synonymous with quality in areas such as wet benches, advanced ventilation systems, and hybrid laminar flow fume hoods.

Adapting to Industry Changes



As the semiconductor evolved towards outsourcing and trace metal labs becoming less demanding, PCI adapted its approach to meet new industry requirements. While maintaining our esteemed reputation and technical expertise in these sectors, we broadened our services to better serve our clients' changing needs.

Our Commitment Today



Today, PCI is trusted by industry leaders for over 30 years, continuing to provide engineered control systems, process equipment, and laboratory and cleanroom furnishings. Our products and solutions are designed to achieve the highest levels of compliance, precision, and performance—consistently exceeding expectations.

Excellence in Every Step



We are dedicated to delivering superior quality and service throughout every stage of your experience with PCI. From carefully listening to your needs, through the design and engineering of your equipment, to the final delivery, our process is crafted to ensure an exceptional and seamless journey for every client.

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INDUSTRIES SERVED

Pharma / Biotech & Life Sciences



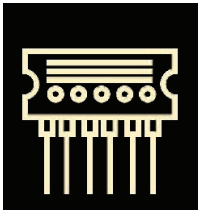
Scale-up R&D with purpose-built designed equipment enclosures which provide the ability to build systems based of your automation requirements increasing safety and product throughput and Improve cGMP practices, with organizational and workflow management equipment with USP class VI materials.

Cleanroom



Increase organizational functionality with made to order cleanroom equipment and furniture designed to withstand the demands of cleaning and sanitization processes with durable and non-corrosive materials.

Semiconductor/Plating/Printed Circuit/Solar



Strict control and safety with wet process benches high-purity enclosures and contamination-controlled desiccator cabinets.

Academia/R&D



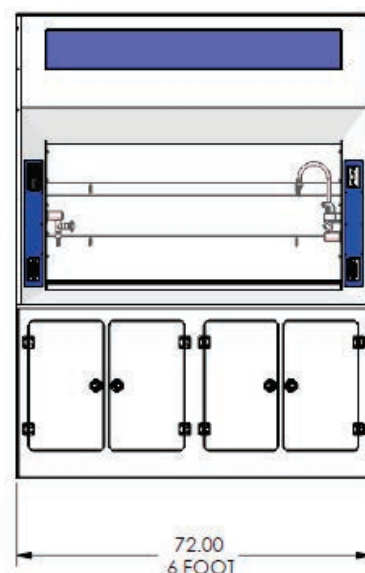
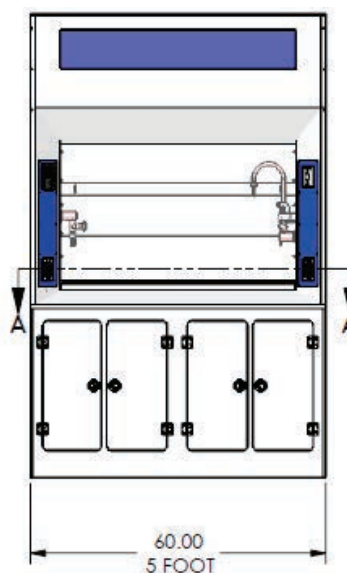
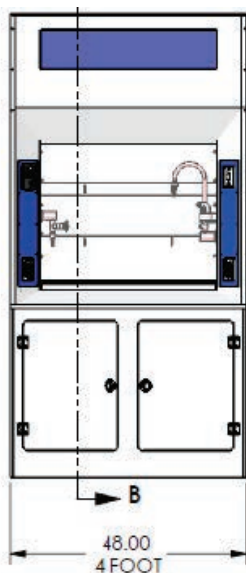
Support evolving programs with modular, ergonomic, and compliant engineered control devices and laboratory furnishings with the flexibility of working with you to meet sustainability initiatives with low-flow or filtered fume hoods and/or enclosures.

Trace Metal Labs



A combination of solutions to ensure the cleanliness and sterility of raw materials with specially designed fume hoods and casework to comply with the need to maintain ISO classification purity while providing user safety. Each product is built with pure materials that won't leach and can withstand the daily use of acids.

PRO SERIES FUME HOODS



PRODUCT SPECS

STANDARD

- Vented Base Cabinet for acid/chemical storage
- Digital read-out velocity meter
- Polypropylene Valves, hinges, and plumbing
- 80/120fpm face velocity
- Full-width plenum with adjustable dampers
- PVC, Lexan, or Glass sash
- FFRP, PVC, CPVC, FM 910 Compliant
- Double wall construction
- Full width plenum with adjustable dampers
- Curved Radius Walls
- Vented storage

OPTIONAL

- Amber light
- Base Casters
- Sink: Goose neck or cup sink
- GFCI Receptacles
- Audible Exhaust Alarm
- Gas, Water, Vac, Air turrets
- Goos neck faucet
- Static Control Devices
- FFRP, PVC, CPVC, FM 4910 compliant

SIZES

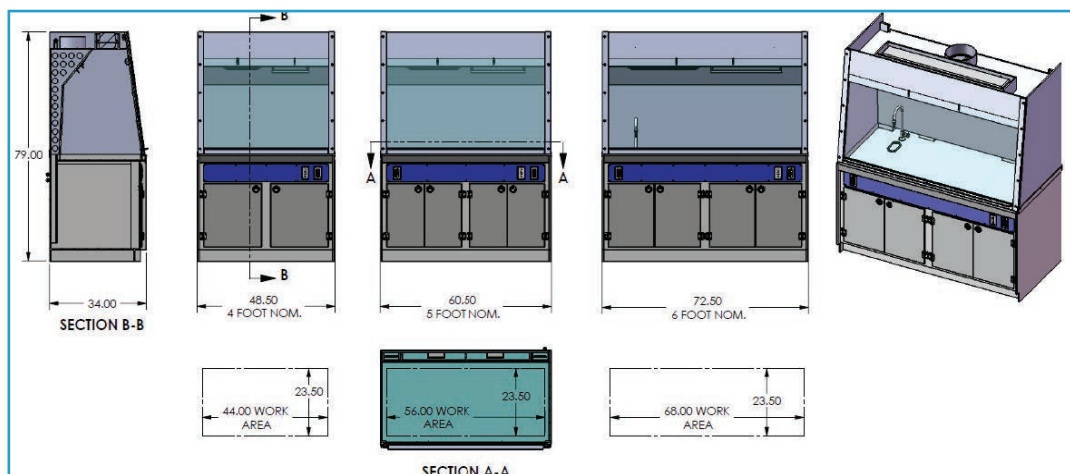
Pro Series

- PCI-PRSFH 4 - 4' with 8" Exhaust Collar
- PCI-PRSFH 5 - 5' With 10" Exhaust Collar
- PCI-PRSFH 6 - 6' with 10" Exhaust Collar
- PCI-PRSFH 8 - 8' with 10" Exhaust Collar

DESIGNED TO THE FOLLOWING AS APPLICABLE

- NEC Codes (s)
- NFPA 70: Class I Division II
- NFPA 45 : Fire Protection for Laboratories
- NFPA 91: Exhaust Systems
- ACGIH
- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- SEFA
- OSHA 29 CFR

GENERAL PURPOSE FUME HOODS



PRODUCT SPECS

STANDARD

- Vented Base Cabinet for acid/chemical storage
- Digital read-out velocity meter
- Polypropylene Valves, hinges, and plumbing
- 80/120fpm face velocity
- Full-width plenum with adjustable dampers
- PVC, Lexan, or Glass sash
- FFRP, PVC, CPVC, FM 910 Compliant
- Double wall construction
- Full width plenum with adjustable dampers
- Curved Radius Walls (Pro Series)
- Vented storage

OPTIONAL

- Amber light
- Base Casters
- Sink: Goose neck or cup sink
- GFCI Receptacles
- Audible Exhaust Alarm
- Gas, Water, Vac, Air turrets
- Goos neck faucet
- Static Control Devices
- FFRP, PVC, CPVC, FM 4910 compliant
- Full-width plenum with adjustable dampers

SIZES /DESIGN STANDARDS

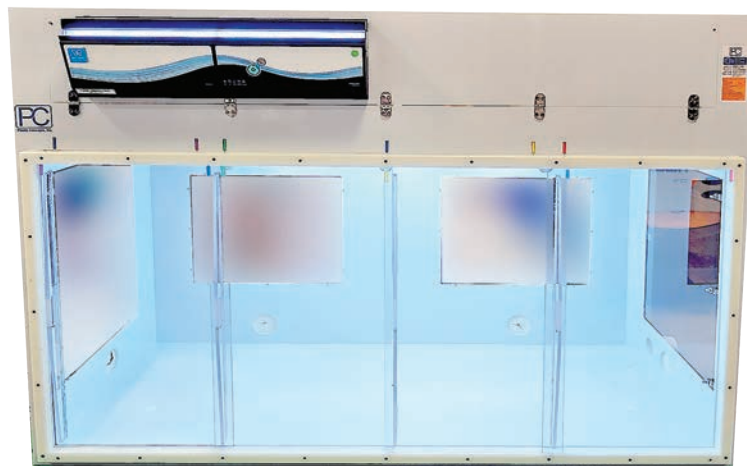
General Purpose

- PCI-GPH 4 - 4' with 8" Exhaust Collar
- PCI-GPH 5 - 5' with 10" Exhaust Collar
- PCI-GPH 6 - 6' with 10" Exhaust Collar
- PCI-GPH 8 - 8' with 10" Exhaust Collar

DESIGNED TO THE FOLLOWING AS APPLICABLE

- NEC Codes (s)
- NFPA 70: Class I Division II
- NFPA 45 : Fire Protection for Laboratories
- NFPA 91: Exhaust Systems
- ACGIH
- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- SEFA
- OSHA 29 CFR

DUCTLESS EQUIPMENT ENCLOSURES



PRODUCT SPECS

STANDARD

- Polypropylene Construction
- Erlab's advanced filtration technology
- Internal Anemometer
- Face velocity alarm (audible & visual)
- Filtration efficiency monitor
- 80/120fpm face velocity
- Removable Horizontal Sliding Sash
- PP work surface
- Polycarbonate sash
- Side pass through doors
- Iris ports for outlet and tube connections
- LED internal lighting

OPTIONAL

- Base Cabinet
- Assist lift system
- Resin work surface
- Cup sink
- GFCI Receptacles
- Gas, Water, Vac, Air turrets
- Goosneck faucet
- Static Control Devices
- FFRP, PVC, CPVC, FM 4910 compliant material
- Combo sash (vertical and horizontal sliding)

SIZES /DESIGN STANDARDS

External width dimension

height and depth based on equipment requirements

- PCI - DFEE4 - 4'
- PCI - DFEE5 - 5'
- PCI - DFEE6 - 6'
- PCI - DFEE8 - 8'

DESIGNED TO THE FOLLOWING AS APPLICABLE

- NEC Codes
- ACGIH
- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- SEFA
- OSHA 29 CFR

DUCTED EQUIPMENT ENCLOSURES



PRODUCT SPECS

STANDARD

- Polypropylene Construction
- Alnor Anemometer
- Removable Horizontal Sliding Sash
- PP work surface
- Polycarbonate sash
- Side pass through doors
- Iris ports for outlet and tube connections
- LED internal lighting

OPTIONAL

- Base Cabinet
- Resin work surface
- Cup sink
- GFCI Receptacles
- Gas, Water, Vac, Air turrets
- Goosneck faucet
- Static Control Devices
- FFRP, PVC, CPVC, FM 4910 compliant material
- Combo sash (vertical and horizontal sliding)
- Rear baffle and channeling plenum

SIZES / DESIGN STANDARDS

External width dimension

height and depth based on equipment requirements

PCI - DEE4 - 4'

PCI - DEE5 - 5'

PCI - DEE6 - 6'

PCI - DEE8 - 8'

DESIGNED TO THE FOLLOWING AS APPLICABLE

- NEC Codes (s)
- NFPA 70: Class I Division II
- NFPA 45 : Fire Protection for Laboratories
- NFPA 91: Exhaust Systems
- ACGIH
- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- SEFA
- OSHA 29 CFR

METAL FUME HOOD - VALUE LINE



PRODUCT DETAILS

PCI's Metal Fume Hoods protect laboratory staff from noxious fumes when working with dangerous gases, organic solvents, etc.

The fume hood channels chemical vapors out of the building using an outdoor fan installed on the roof or on an external wall.

The hoods are EN-14175 / CE / ASHRAE 110-1995 certified.

Structure:

- Metal epoxy-coated paint
- The internal lining is made of 5 mm HPL
- Ceramic worktop is included – optional materials include stainless steel, polypropylene, epoxy, HPL
- 5 mm front safety glass window with counterweight system
- Lower vented base cabinet made out of epoxy painted metal
- Air ventilation from both the top and rear panel

ADDITIONAL SYSTEM INFORMATION

Basic control system is a 7" color touch screen controlling lighting and power outlets

Optional upgrades to control systems:

- AFA system – includes a 7" screen with air velocity display and alarm
- VAV system includes a 10.1" screen with automatic air velocity control (installed and included VFD), temp & humidity display
- Active system has a 10.1" screen with energy saver that includes automatic sash motion with proximity sensing system
- Active system dramatically reduces energy costs
- 800 lux LED lighting separated from the work area (option for explosion-proof light)
- Optional accessories such as taps, sinks, sockets, scaffolding, and outdoor fan
- EN-14175, ASHRAE 110-1995, CE certified

METAL FUME HOOD - VALUE LINE

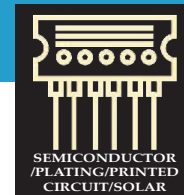


Spec / Model	FH-120	FH-150	FH-180	FH200	FH220
External Dimensions WxDxH	1200 x 800 x 2350mm 47.2 x 31.5 x 92.5"	1500 x 800 x 2350mm 59 x 31.5 x 92.5"	1800 x 800 x 2350mm 70.8 x 31.5 x 92.5"	2000 x 800 x 2350mm 78.7 x 31.5 x 92.5"	2200 x 800 x 2350mm 86.6 x 31.5 x 92.5"
Workspace (WxDxH)	950 x 630 x 1145mm 37.4 x 24.8 x 45"	1250 x 630 x 1145mm 49.2 x 24.8 x 45"	1550 x 630 x 1145mm 61 x 24.8 x 45"	1750 x 630 x 1145mm 68.9 x 24.8 x 45"	1950 x 630 x 1145mm 76.8 x 24.8 x 45"
Exhaust Collar Dimensions	1 X 10"/250MM	1 X 10"/250MM	1 X 10"/250MM	1 X 12"/315MM	1 X 12"/315MM
WE CAN CUSTOMIZE ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS					
Front Sash Max Opening	860 mm / 33.8"				
Production/ Test Standard	EN-14175 / ASHRAE 110-1995				
Air Velocity	0.5±0.1 m/s, 100±20 fpm				
Hood Material	Metal epoxy-coated paint				
Worktop	The standard worktop is ceramic, other options are: HPL / polypropylene / Epoxy / Stainless steel				
Control System	The standard control system is A 7" color display with on/off controls				
Optional	Water tap / gas tap / vacuum tap / pp sink / triplex glass / explosion-proof light				
Power Supply	110/220 V, 50/60 Hz. Includes a single-phase power supply. A three-phase power supply can be special ordered.				
Illumination	800 lux				

Accessories

MODEL	DESCRIPTION
FH - KIT	Kit for Fume Hood includes: 1 water tap, 1 gas tap, 1 cup sink and 4 power outlets
FH - GTAP	Gas Tap
FH - WTAP	Water Tap
FH - PP - KP4B	Polypropylene cup sink (more sizes are available see the website)
FH - SOCKET	Power outlet
FH - AFA / FH - VAV / FH - ACTIVE	The standard control system is a 7" with on/off controls, other options are: airflow alarm and display 7" screen / VAV System with 10.1" screen / active sash system with 10.1" screen
FH - FAN - 750	Centrifugal fan 0.75 kW 2800 rpm / IE3 DIA 250 mm
FH - FAN- 1500 - 300	Centrifugal fan 1.5 kW 2800 rpm / IE3 DIA 300 mm

DUCTLESS / DUCTED CLEANING / WASH DOWN HOOD



Key Features:

Polypropylene Construction

The enclosure is manufactured entirely from high-purity, laboratory grade polypropylene, providing:

- Excellent chemical resistance
- Corrosion-free operation
- Long service life
- Low maintenance requirements
- Compatibility with semiconductor and clean process environments

The double-wall construction further enhances structural integrity and provides easy maintenance access to any plumbing and electrical.

Wash-Down Work Surface

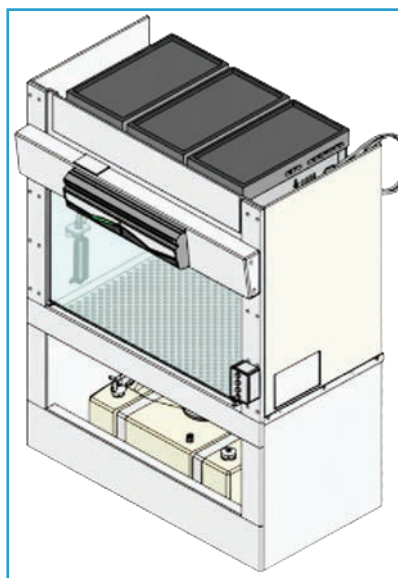
The working area features:

- Removable perforated polypropylene work deck
- Integrated sloped catch basin beneath the deck
- Full liquid drainage to the collection system
- Easy access for cleaning and maintenance

The sloped basin design ensures that all rinse water and contaminants are directed toward the collection reservoir, preventing standing liquids within the work area.

Ductless Features:

- Erlab's Advanced Filtration
- Multi-Stage Carbon Filtration
- Validated Filtration Performance
- AFNOR NF X 15-211 Compliance
- Airflow and Containment Performance



	2C	1C
	Automatic Detection Sensor	
	Class 1	Class 2
The classes established by AFNOR NF X 15-211	Filtration fume hood with safety reserve One main filtration level and one safety filtration level	Filtration fume hood without safety reserve One filtration level
Normal operating phase	Emissions concentration at the filter exhaust must be lower than 1% of the TLV	
Detection phase	The concentration at the filter exhaust must be lower than 1% of the TLV, and the automatic detection sensor must warn the user of any concentration spike at the main filter exhaust	The concentration at the filter exhaust must be lower than 50% of the TLV which the automatic sensor will indicate if equipped.
Safety phase	The concentration at the filter exhaust must be lower than 50% of the TLV, and maintain it's efficiency for 1/12 of the filter life cycle as determined by the initial feasibility study	Not Applicable

Benefits to the End User:

Enhanced Operator Safety

- Controlled airflow containment
- Vapor capture and filtration
- Splash protection
- Automated liquid management

Reduced Facility Costs

- No ductwork required
- Lower installation costs
- Reduced HVAC energy consumption
- Simplified facility integration

Environmental Protection

- Controlled liquid collection
- Reduced chemical emissions
- Safe waste handling
- Sustainable filtration service intervals

Operational Efficiency

- Ergonomic workstation layout
- Dual DI spray capability
- Easy maintenance access
- Extended filter service intervals

DUCTLESS POLYPROPYLENE FUME HOODS



ACADEMIA / R&D



PHARMACEUTICAL/BIOTECH
& LIFE SCIENCES



PRODUCT SPECS

STANDARD

- Polypropylene base cabinet
- Erlab's Advanced Filtration
- Internal Anemometer
- Face velocity alarm (audible & visual)
- Filtration monitor
- Polypropylene valves, hinges, and plumbing
- 80/120fpm face velocity
- Vertical sliding sash
- PP work surface
- PVC, Lexan, or Glass sash
- FFRP, PVC, CPVC, FM 910 Compliant

OPTIONAL

- Base Casters
- Benchtop with internal dished PP work surface
- Combo vertical horizontal and vertical counter balance or hinged sash
- Sink: Goose neck or cup sink
- GFCI Receptacles
- Gas, Water, Vac, Air turrets
- Single wall construction
- Surface mounted base fixtures
- Phenolic Resin Work Surface

STANDARD SIZES

PCI - DFH-4 - 4' with 3 filtration columns

PCI - DFH-5- 5 with 3 filtration columns

PCI - DFH-6 - 6' with 4 filtration columns

DESIGNED TO THE FOLLOWING AS APPLICABLE

- NEC Codes
- NFPA 45 : Fire Protection for Laboratories
- NFPA 91: Exhaust systems
- ACGIH
- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- SEFA
- OSHA 29 CFR
- AFNOR NFX 15 211 - containment & filtration efficiency



DUCTLESS METAL FUME HOODS

PCI 714

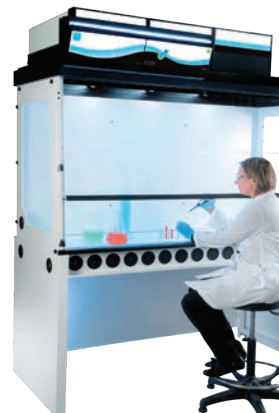
PCI 633



Safer to operate



- Erlab's advanced carbon filtration technology and/or HEPA/ULPA accommodates your specific needs
- Meets AFNOR NF X 15 211/ANSI Z9.5-2012 filtration efficiency standard (class 1 & 2)
- Sensors that detect filter breakthrough of solvents, acids or formaldehyde
- Safety back up filter in case of main filter saturation
- Continuous monitoring of Air face velocity
- Safety Program: application analysis & validation, usage certification, filter change reminders



PRODUCT SPECS PCI 714

Safety Standards	AFNOR NF X 15-211:2009: France - BS 7989: England DIN 12 927:Germany - EN 1822:1998 (HEPA H14 & ULPA U17 Filters) - CE Marking
Air Flow	880 m3/h - 518 CFM
Air Face Velocity	0.4 to 0.6 m/s - 79 fpm to 118 fpm
Voltage/Frequency	90-220 V / 50-60 Hz
Power consumption	220 W
Sash openings	Reverso sash
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer
Side and front panels	Chemical resistant acrylic
Filtration module	Polypropylene

Equipment

Communication interface	Simple communication by audible and light pulses: unit running time, air face velocity, automatic alarm to detect a filtration fault, fan failure alarm
Filtration technology	4 columns that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapors	Following filtration column configuration
Particulate filtration for powders	Following filtration column configuration
Internal lighting	LED lighting > 650 Lux
Anemometer	Air face velocity alarm
Chemical Listing	List of approved chemicals

Accessories

Work Surfaces	Tempered glass / Trespa® Top LABPLUS / 304 L stainless steel
Molecode	Detection sensor for : Type S, for solvents / Type A, for acids / Type F, for formaldehydes
Benches	Fixed (Benchcap)
Particulate Pre-filter	Protects the main filter(s) from dust
Transparent Back Panel	Clear acrylic panel for easy viewing

PRODUCT SPECS PCI 633

Safety Standards	AFNOR NF X 15-211:2009: France - BS 7989: England DIN 12 927: Germany - EN 1822:1998 (HEPA H14 & ULPA U17 Filters) - CE Marking
Air Flow	660 m3/h - 388 CFM
Air Face Velocity	0.4 to 0.6 m/s - 79 fpm to 118 fpm
Voltage/Frequency	90-220 V / 50-60 Hz
Power consumption	160 W
Sash openings	Reverso sash
Structure	Corrosion resistant
Side and front panels	Chemical resistant acrylic
Filtration module	Polypropylene

Equipment

Communication interface	Simple communication by audible and light pulses: air face velocity, automatic alarm to detect a filtration fault, ventilation settings, fan failure alarm
Filtration technology	3 columns that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapors	Following filtration column configuration
Particulate filtration for powders	Following filtration column configuration
Internal lighting	LED lighting > 650 Lux
Anemometer	Air face velocity alarm
Chemical Listing	List of approved chemicals

Accessories

Work Surfaces	Tempered glass / Trespa® Top LABPLUS
Molecode	Detection sensor for : Type S, for solvents / Type A, for acids / Type F, for formaldehydes
Benches	Fixed (Benchcap)
Particulate Pre-filter	Protects the main filter(s) from dust
Transparent Back Panel	Clear acrylic panel for easy viewing



DUCTLESS METAL FUME HOODS

PCI 483

PCI 481



Safer to operate

- Erlab's advanced carbon filtration technology and/or HEPA/ULPA accommodates your specific needs
- Meets AFNOR NF X 15 211/ANSI Z9.5-2012 filtration efficiency standard (class 1 & 2)
- Sensors that detect filter breakthrough of solvents, acids or formaldehyde
- Safety back up filter in case of main filter saturation
- Continuous monitoring of Air face velocity
- Safety Program: application analysis & validation, usage certification, filter change reminders



PRODUCT SPECS PCI 483

Safety Standards	AFNOR NF X 15-211:2009: France - BS 7989: England DIN 12 927: Germany - EN 1822:1998 (HEPA H14 & ULPA U17 Filters) - CE Marking
Air Flow	660 m ³ /h - 388 CFM
Air Face Velocity	0.4 to 0.6 m/s - 79 fpm to 118 fpm
Voltage/Frequency	90-220 V / 50-60 Hz
Power consumption	160 W
Sash openings	Reverso sash
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer
Side and front panels	Chemical resistant acrylic
Filtration module	Polypropylene

Equipment

Communication interface	Simple communication by audible and light pulses: unit running time, air face velocity, automatic alarm to detect a filtration fault, fan failure alarm
Filtration technology	3 columns that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapors	Following filtration column configuration
Particulate filtration for powders	Following filtration column configuration
Internal lighting	LED lighting > 650 Lux
Anemometer	Air face velocity alarm
Chemical Listing	List of approved chemicals

Accessories

Work Surfaces	Tempered glass / Trespa® Top LABPLUS / 304 L stainless steel
Molecode	Detection sensor for : Type S, for solvents / Type A, for acids / Type F, for formaldehydes
Benches	Fixed (Benchcap)
Particulate Pre-filter	Protects the main filter(s) from dust
Transparent Back Panel	Clear acrylic panel for easy viewing

PRODUCT SPECS PCI 481

Safety Standards	AFNOR NF X 15-211:2009: France - BS 7989: England DIN 12 927: Germany - EN 1822:1998 (HEPA H14 & ULPA U17 Filters) - CE Marking
Air Flow	220 m ³ /h - 129 CFM
Air Face Velocity	0.4 to 0.6 m/s - 79 fpm to 118 fpm
Voltage/Frequency	90-220 V / 50-60 Hz
Power consumption	65 W
Sash openings	Oblong
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer
Side and front panels	Chemical resistant acrylic
Filtration module	Polypropylene

Equipment

Communication interface	Simple communication by audible and light pulses: air face velocity, automatic alarm to detect a filtration fault, ventilation settings, fan failure alarm
Filtration technology	1 column that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapors	Following filtration column configuration
Particulate filtration for powders	Following filtration column configuration
Internal lighting	LED lighting > 650 Lux
Anemometer	Air face velocity alarm
Chemical Listing	List of approved chemicals

Accessories

Work Surfaces	TRESPA® TOPLAB PLUS, Glass
Molecode	Detection sensor for : Type S, for solvents / Type A, for acids / Type F, for formaldehydes
Benches	Mobile (Mobicap) or fixed (Benchcap)
Particulate Pre-filter	Protects the main filter(s) from dust
Transparent Back Panel	Clear acrylic panel for easy viewing



DUCTLESS METAL FUME HOODS



PCI 391

PCI 392

Safer to operate



- Erlab's advanced carbon filtration technology and/or HEPA/ULPA accommodates your specific needs
- Meets AFNOR NF X 15 211/ANSI Z9.5-2012 filtration efficiency standard (class 1 & 2)
- Sensors that detect filter breakthrough of solvents, acids or formaldehyde
- Safety back up filter in case of main filter saturation
- Continuous monitoring of Air face velocity
- Safety Program: application analysis & validation, usage certification, filter change reminders



PRODUCT SPECS PCI 391

Safety Standards	AFNOR NF X 15-211:2009: France - BS 7989: England DIN 12 927: Germany - EN 1822:1998 (HEPA H14 & ULPA U17 Filters) - CE Marking
Air Flow	220 m3/h - 129 CFM
Air Face Velocity	0.4 to 0.6 m/s - 79 fpm to 118 fpm
Voltage/Frequency	90-220 V / 50-60 Hz
Power consumption	65 W
Sash openings	Hinged sash
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer
Side and front panels	Chemical resistant acrylic
Filtration module	Polypropylene

Equipment

Communication interface	Simple communication by audible and light pulses: unit running time, air face velocity, automatic alarm to detect a filtration fault, fan failure alarm
Filtration technology	1 column that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapors	Following filtration column configuration
Particulate filtration for powders	Following filtration column configuration
Internal lighting	LED lighting > 650 Lux
Anemometer	Air face velocity alarm
Chemical Listing	List of approved chemicals

Accessories

Work Surfaces	Tempered glass / Trespa® Top LABPLUS / 304 L stainless steel
Molecode	Detection sensor for : Type S, for solvents / Type A, for acids / Type F, for formaldehydes
Benches	Mobile (Mobicap) or fixed (Benchcap)
Particulate Pre-filter	Protects the main filter(s) from dust
Transparent Back Panel	Clear acrylic panel for easy viewing

PRODUCT SPECS PCI 392

Safety Standards	AFNOR NF X 15-211:2009: France - BS 7989: England DIN 12 927: Germany - EN 1822:1998 (HEPA H14 & ULPA U17 Filters) - CE Marking
Air Flow	440 m3/h - 259 CFM
Air Face Velocity	0.4 to 0.6 m/s - 79 fpm to 118 fpm
Voltage/Frequency	90-220 V / 50-60 Hz
Power consumption	105 W
Sash openings	Reverso Sash
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer
Side and front panels	Chemical resistant acrylic
Filtration module	Polypropylene

Equipment

Communication interface	Simple communication by audible and light pulses: air face velocity, automatic alarm to detect a filtration fault, ventilation settings, fan failure alarm
Filtration technology	2 columns that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapors	Following filtration column configuration
Particulate filtration for powders	Following filtration column configuration
Internal lighting	LED lighting > 650 Lux
Anemometer	Air face velocity alarm
Chemical Listing	List of approved chemicals

Accessories

Work Surfaces	Tempered glass / TRESPA® TOPLAB _{PLUS}
Molecode	Detection sensor for : Type S, for solvents / Type A, for acids / Type F, for formaldehydes
Benches	Mobile (Mobicap) or fixed (Benchcap)
Particulate Pre-filter	Protects the main filter(s) from dust
Transparent Back Panel	Clear acrylic panel for easy viewing



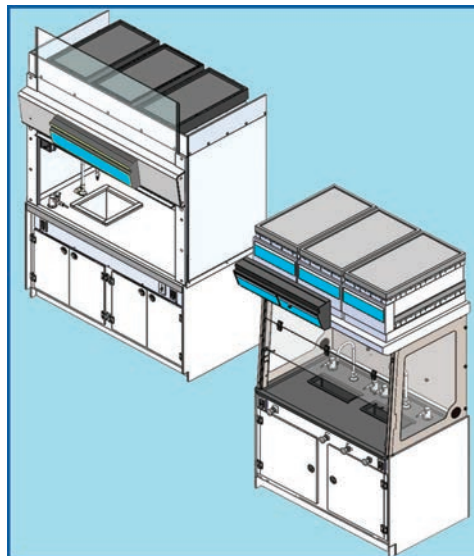
CUSTOM DUCTLESS FUME HOODS



Customize Your Fume Hood

Select any option below to suit your needs

Plastic Concepts will work with you to create a filtered fume hood to fit your exact needs. Custom-build your hood from the ground up to create an integrated solution for your lab, or select individual components to fit specific requirements.



BASES	WORK SURFACES	ACCESSORIES	HOOD OPTIONS
Customize your base • ADA • Cabinets • Mobile with casters	Select your work surface: • Phenolic Resin • Epoxy • Polypropylene	Choose your accessories: • Sinks • Gas Ports • Cup Sinks • Outlets • Faucets	Select from a metal or plastic enclosure and a hinged or counter balances sash. <i>See next page for dimensions and options.</i>



DUCTLESS HOOD CONFIGURATIONS & OPTIONS



Dimensions and Options



	Material	PCI 321	PCI 391	PCI 481	PCI 392	PCI 483	PCI 633	PCI 714
Width (inches)	Metal	30.75	39.825	49.625	39.625	50.375	63.125	71
	Plastic H*	33	33	51	41	60	60	72
	Plastic CB**	36	36	61	51	72	72	80
Height (inches)	Metal	43.75 - 50.625			52.75 - 59.625			
	Plastic H*	96.39 (with 3 filters)						
	Plastic CB**	ADA 90.4						
Depth (inches)	Plastic H*	28	28	28	37	37	37	37
	PlasticCB**	33	33	33	43	43	43	43
No. of Filters	All Models	1	1	1	2	3	3	4
Air Flow (elm)	All Models	135	135	135	270	405	405	540

* Hinged Sash

** Counter Balanced Sash

Options available on all models	
Detection Sensor	Type S for solvents / Type A for acids / Type F for formaldehydes
Work Surfaces	Phenolic Resin, Polypropylene, or Epoxy
Particulate Filter	Protects the main filter from dust
Transparent Back Panel	Clear acrylic for easy viewing
Sinks	Round, Oval, Rectangular
Fixtures	Air, Nitrogen, Gas, Vacuum, Water & others
Double Wall Construction	Allows for utility access from the top



FILTERED DOWNDRAFT TABLES



Filtered Downdraft Tables Custom Polypropylene Lab Furniture

Plastic Concepts Filtered Downdraft Table

is a unique safety solution for processes that would normally require the use of exhaust ventilation, such as a snorkel, to perform tasks at a workbench.

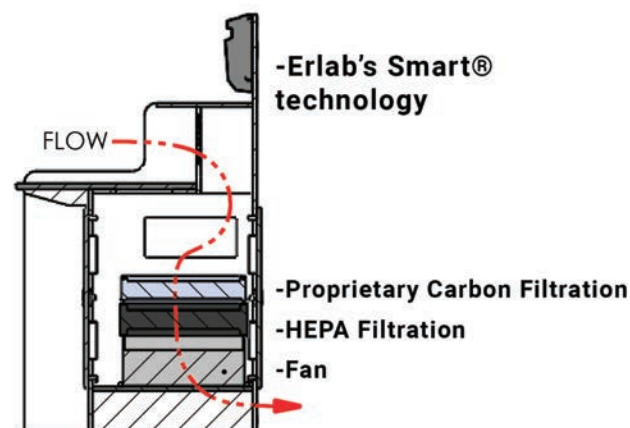
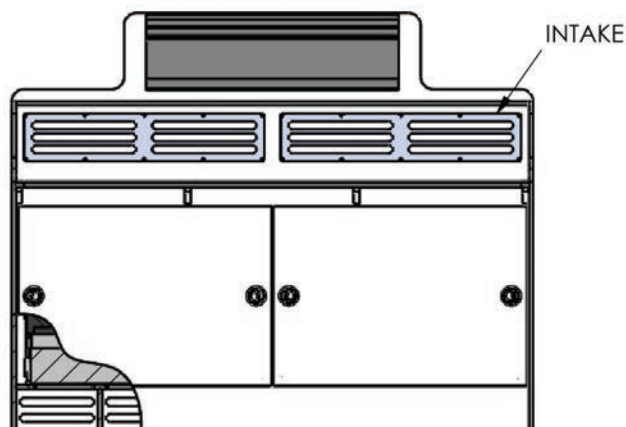
By using negative air pressure and advanced filtration technology, solvents, acids, odors, fumes, powders and particulates are pulled away from the user through the back of the table and then filtered through filtration and detection technology. The clean, filtered air is exhausted back into the lab which eliminates the need to connect to HVAC.

Easily create a safer and healthier workspace at any stage of lab design - renovation, future planning and new design.

Erlab's filtration technology meets the stringent industry safety standards: AFNOR NFX 15 211, ANSI z.9 52012, and ASTM.



Size Options	
Widths	36", 65", 72", 96"
Depths	22.5", 30"
Work Surface Heights	31", 40"



Custom Polypropylene Lab Furniture

Plastic Concept's downdraft table is integrated with Erlab's advanced filtration detection and communication technology which continuously monitors all aspects of filtration performance. Our Downdraft Tables can be completely customized to suit the needs in your lab. We will work with you to configure the downdraft table and filters based on your space requirements and applications. Standard sizes are listed below. Sitting or standing height available.

- Filter saturation is monitored with Erlab's built-in Smart® technology so there is no risk of chemical breakthrough.
- Air is filtered and recirculated and not exhausted out of the building — so it saves money on heating and cooling.
- Polypropylene does not rust or corrode and is easy to clean and sanitize.
- Easy to move units as your lab needs change.
- Available in phenolic or epoxy tops.
- Filtration on each table is configured based on the process being performed



FILTRATION MODULES & INTEGRATION SYSTEMS



PCI's filtration modules are designed to add a level of protection where emissions from existing enclosures are overwhelming the ambient atmosphere. Typical applications would be for an added canopy over Class II, Type A2 BSC to capture chemical emissions, or connection to an enclosure housing such as a liquid handler or synthesizer.

PRODUCT SPECS

STANDARD

- Polypropylene construction
- Internal Anemometer
- Internal blower
- Integrated filtration
- Face velocity alarm (audible & visual)
- Easy Access Door
- Polypropylene Valves, hinges, and plumbing
- 6" duct collar connection
- Erlab's intuitive SMART technology with Carbon filters
- One button operation

OPTIONAL

- Combination in-line HEPA and Carbon filtration, per filtration column
- HEPA filters ONLY

STANDARD SIZES

- PCI - FMI -3 - 3' system with 1 filtration columns
- PCI - FMI-5- 5' system with 2 filtration columns
- PCI - FMI-6 - 6' system with 3 filtration columns

DESIGNED TO THE FOLLOWING AS APPLICABLE

- ACGIH
- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- SEFA
- OSHA 29 CFR
- AFNOR NFX 15 211 - containment & filtration efficiency

DUCTLESS FUME HOODS AND FILTER ENGINEERED CONTROL SYSTEMS TECHNOLOGY

Filtration Technology

Modular filtration columns

The combination of molecular and particulate filtration technologies enables one single device to be configured for the laboratory's protection needs.

This has been made possible by the design of single-dimension filter cartridges which, through vertical stacking, represent a major innovation in Flex technology by Erlab.

The modular filtration column adapts to the protection needs and laboratory environment. The different Captair filtering fume hood models in the range can also be equipped with one to four filtration columns with unrivaled retention capacities.



LIQUIDS

For dilutions, dosages, extractions, transfers, etc.



POWDERS

For sieving, grinding, weighing, formulations, compressions, etc.



LIQUIDS & POWDERS

For solutions, filtration, extractions, etc.



IN CLEAN ROOMS

For clean rooms up to ISO class 7

1C



1P



1P 1C



1C 1P



2C



2P



1P 2C



2C 1P



Class 1= Maximum safety guaranteed by the AFNOR NF X 15-211:2009 standard.



Carbon filter

Carbon Filter Module
Super activated carbon.
Exceptional adsorption properties.



HEPA filter

HEPA Particulate Filter Module
High efficiency filtration of particles in the air which guarantees an overall filtration efficiency of 99.995% (particles greater than 0.1 micron), according to the MPPS method in the EN 1822-1 standard.



Fan

Ventilation module
Ventilation regulation.
Low energy consumption.
Reduced noise level.

1P 1C 1P



NSF 49 CLASS II A2 BSC's



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	• Metal epoxy coated (structure) • SS 304 internal lining • 6 mm triplex glass with electric lift (Sash) • Clear glass side panel for visibility
Sizes	PCI BS4936 - 36" x 31.5" x 57" (OD) PCI BS4948 - 48" x 31.5" x 57" (OD) PCI BS4960 - 60" x 31.5" x 57" (OD) PCI BS4972 - 72" x 31.5" x 57" (OD)
Features	• Microprocessor control system with 10.1" color touchscreen display • 70% circulation, 30% exhaust • Two ULPA U15 filters • ECM fan with VAV auto filter • Inflow and down-flow alarm • Sash position alarm, filter alarm, critical chamber red light alarm • Germicidal waterproof UV light (254 nm) system and safety interlock mechanism • LED light (1000 lux) • 2x universal sockets & 2x taps • Time/date/temp, and humidity display • CE, ETL, C/US, NSF 49

POLYPROPYLENE FUME HOOD WET SCRUBBER



PCI's **Polypropylene Fume Hood with an Integrated Wet Scrubber** features a quality scrubbing media which collects mist and chemicals and channels these down to the water tank. Its upper mist eliminator prevents mist from reaching the exhaust fan.

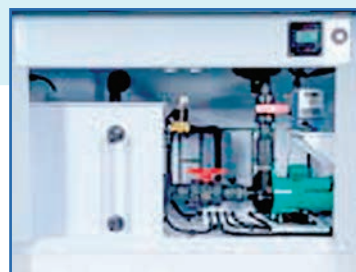
The fume hood is used to filter out acids and prevent them from being released into the environment. The scrubber is built-in as an integrated part of the hood. The fume hood is made of high-quality non-corrosive polypropylene with excellent chemical resistance.

The fume hood protects laboratory staff from noxious fumes released by acids, dangerous gases, and organic solvents. The hood is designed for work with heavy chemicals and has been independently CE and UL certified. Structured as follows:

- 8mm welded polypropylene with high chemical resistance
- Polypropylene worktop - optional materials include stainless steel, ceramic, epoxy and HPL.
- 5mm front safety glass window with counterweight system
- Lower vented base cabinet made out of polypropylene
- Air ventilation from both the top and rear panel

Wet scrubber functionality comprises:

- Spray Nozzles
- Upper mist eliminator
- Scrubbing Media
- Water Pump
- Water Tank
- Easy access for maintenance and repairs
- 800 LUX LED lighting separated from the work area (option for ex-proof light)
- 7" color touch screen controlling lighting and power outlets
- Optional upgrade to control systems
- AFA system includes 7" screen with air velocity display and alarm
- VAV system includes 10.1" screen with automatic air velocity control (installed including VFD), temp & humidity display
- Active system includes 10.1" with automatic sash motion and proximity sensing system dramatically reducing energy costs
- Optional accessories such as taps, sinks, sockets, scaffolding, and outdoor fan
- Option for pH meter with an automatic dosing pump system
- CE and UL certified PPS OPTION



POLYPROPYLENE FUME HOOD WET SCRUBBER - SPECIFICATIONS

Spec / Model	FH - 120 - WS	FH -150 - WS	FH - 180-WS	FH - 200 -WS	FH - 250 - WS
External Dimensions (W x D x H)	47.3x38.6x93.3" 1200x980x2370mm	59x38.6x93.3" 1500x980x2370mm	70.9x38.6x93.3" 1800x980x2370mm	78.8x38.6x93.3" 2000x980x2370mm	98.4x38.6x93.3" 2500x980x2370mm
Exhaust Collar Dimensions	1 X 10"/250 mm	1 X 10"/250 mm	1 X 10"/250 mm	1 X 12"/315 mm	2 X 10"/250 mm
WE CAN CUSTOMIZE ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS					
Workspace (W x D x H)	39.4x24.8x39.4" 1000x630x1000mm	51.2x24.8x39.4" 1300x630x1000mm	63x24.8x39.4" 1600x630x1000mm	70.9x24.8x39.4" 1800x630x1000mm	90.5x24.8x39.4" 2300x630x1000mm
Front Sash Max Opening	720 mm/28.3"	720 mm/28.3"	720 mm/28.3"	720 mm/28.3"	720 mm/28.3"
Air Velocity	0.5±0.1 m/s, 100±20 fpm				
Hood Material	Polypropylene				
Worktop Material	The standard worktop is polypropylene. Other options are: HPL / Ceramic / Epoxy / Stainless steel				
Control System	The standard control system is a 7" color display with on/off controls				
Optional	Water tap / gas tap / vacuum tap/ pp sink				
Power Supply	110/220 V, 50/60 Hz. Includes a phase single-phase. A three-phase power supply can be special ordered.				
Illumination	800 lux LED lighting				

ACCESSORIES

MODEL	DESCRIPTION
FH-WS-PH	Kit for Fume Hood includes: 1 water tap, 1 gas tap, 1 cup sink and 4 power outlets
FH-WS-PH-DZ	pH meter and dosing pump
FH-KIT	pH meter
FH-GTAP	Gas tap
FH-WTAP	Water tap
FH-PP-KP4B	Polypropylene cup sink (more sizes are available see the website)
FH-SOCKET	Power outlet
FH-PHM	Option for pH meter with an automatic dosing pump system
FH-VAV	VAV + VFD installed. Includes airflow monitoring with audible alarm and a 10.1" color touchscreen as control panel
FH-FAN-750	Centrifugal fan 0.75 kW 2800 rpm / IE3 DIA 250 mm
FH-FAN-1500-300	Centrifugal fan 1.5 kW 2800 rpm / IE3 DIA 300 mm



HYBRID POLYPROPYLENE LAMINAR FLOW HOOD



PCI's **Hybrid Laminar Flow Fume Hood** combines a chemical fume hood with a laminar flow cabinet. It is made out of corrosion-free polypropylene with excellent chemical resistance.



The product is equipped with a dual airflow system:

1. Supply system with a pre-filter, HEPA filter and a fan that creates laminar down-flow towards the working area.
2. Exhaust system that needs to be connected to a ducting system with an outdoor fan. Both inflow and down flow (100% of the air) are channeled to the exhaust system.

Structure:

- 8mm welded corrosion-free polypropylene with high chemical resistance
- Polypropylene worktop – stainless-steel optional.
- 5mm front safety glass window with counterweight system
- Lower vented base cabinet made of polypropylene
- Air ventilation areas include perforation on the front and side area of the worktop and the grille at the rear.

- Color touchscreen display control panel
- Automatic down flow air velocity control
- Inflow is controlled by the lab extracting system, the screen displays the air velocity
- Low airflow alarm for both inflow and down flow

- Automatic shutdown system for the down flow when inflow system fails
- Chamber red light alert
- Cleanliness level - Class 100/ISO 5
- 800 lux LED lighting separated from the work area

HYBRID POLYPROPYLENE LAMINAR FLOW HOOD - SPECIFICATIONS

Spec / Model	FH - 120 - HCV	FH -150 - HCV	FH - 180- HCV	FH - 200 - HCV	FH - 250 - HCV
External Dimensions (W x D x H)	47.3 x 33.4 x 91.3" 1200 x 850 x 2320 mm	59.0 x 33.4 x 91.3" 1500 x 850 x 2320 mm	70.9 x 33.4 x 91.3" 1800 x 850 x 2320 mm	78.7 x 33.4 x 91.3" 2000 x 850 x 2320 mm	98.4 x 33.4 x 91.3" 2500 x 850 x 2320 mm
Exhaust Collar Dimensions	1 X 10"/250 mm	1 X 10"/250 mm	1 X 10"/250 m	1 X 12"/315 mm	2 X 10"/250 mm
WE CAN CUSTOMIZE ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS					
Workspace (W x D x H)	39.4 x 23.6 x 31.5" 1000 x 600 x 800 mm	51.2 x 23.6 x 31.5" 1300 x 600 x 800 mm	63 x 23.6 x 31.5" 1600 x 600 x 800 mm	70.8 x 24.8 x 31.5" 1800 x 600 x 800 mm	90.6 x 23.6 x 31.5" 2300 x 600 x 800 mm
Front Sash Max Opening	600mm / 23.6"				
Air Velocity	Inflow 0.5±0.1 m/s, 100±20 fpm down flow 0.33±0.1 m/s, 66±20 fpm				
Hood Material	Polypropylene				
Cleanliness Level	Class 100/ISO 5				
Worktop	The standard is polypropylene, option for stainless steel				
Control System	Automatic down flow air velocity control with a 10.1" color touchscreen display control panel				
Optional	Water tap / gas tap / vacuum tap / pp sink				
Power Supply	110/220 V, 50/60 Hz. Includes a single-phase Power supply. A three-phase power supply can be special ordered.				

ACCESSORIES

PART NUMBER	DESCRIPTION
FH-KIT	Kit for Fume Hood includes: 1 water tap, 1 gas tap, 1 cup sink and 4 power outlets
FH-GTAP	Gas tap
FH-WTAP	Water tap
FH-PP-KP4B	Polypropylene cup sink (more sizes are available see the website)
FH-SOCKET	Power outlet
FH-FAN-750	Centrifugal fan 0.75 kW 2800 rpm / IE3 DIA 250 mm
IPMS Integrated parti- cle monitoring system	Centrifugal fan 1.5 kW 2800 rpm / IE3 DIA 300 mm

VBSEs - POWDER HOODS



PRODUCT SPECS

STANDARD

- Polypropylene base cabinet
- Magnehelic Gauge
- Polypropylene Valves, hinges, and plumbing
- 80/120fpm face velocity
- Vertical Sliding sash
- PP work surface
- PVC, Lexan, or Glass sash
- FFRP, PVC, CPVC, FM 910 Compliant
- Horizontal back wall Laminar Flow
- Back wall H14 HEPA filters
- Back wall Pre-filters
- Secondary top channel

OPTIONAL

- Base Casters
- GFCI Receptacles
- Hinge Sash
- Combo Sash
- Phenolic Resin Work Surface
- Stainless Steel Liner & Work surface

STANDARD SIZES

PCI - VBE - 3 - 3' hood

PCI - VBE - 4 - 4' hood

PCI - VBE - 6 - 6' hood

DESIGNED TO THE FOLLOWING AS APPLICABLE

- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- USP 795 and 800
- ISPE Guidelines

Additional Information:

PCI's ventilated safety balance enclosures are designed for precise weighing applications while maintaining an effective face velocity to provide protection to the end user. Rear wall filters provide the first barrier of filtration while a secondary top mounted filtration system provide redundant control.

VALUE LINE SMALL SCALE WEIGHING ENCLOSURE



DOUBLE-HEPA PARTICULATE CONTAINMENT WITH HVAC CONNECTION

Purpose-built protection and airflow control for precise weighing workflows.

Key Features

Double HEPA filtration - Two-stage HEPA configuration for particulate capture and filter redundancy.

USP <800> application support - Designed to support hazardous, non-sterile compounding workflows when integrated into a compliant room and exhaust strategy.

EN 1822 filter quality - HEPA filters manufactured and individually tested to meet the EN 1822 standard.

Acrylic enclosure

Clear acrylic side, rear, and hinged sash panels maximize visibility and access.

Resin work surface - Integrated resin work surface provides a smooth, cleanable working area.

Top-mounted extraction - Low-profile filtration assembly with white shroud and 6-in. collar for connection to facility HVAC.

Precision, visibility and active monitoring

CONTROLLED AIRFLOW

Adjustable airflow control supports stable, repeatable weighing processes.

SMART MONITORING

Integrated technology monitors air velocity and fan performance with audible/visual alarm notification.

LED TASK LIGHTING

Internal LED illumination improves visibility across the work surface without obstructing the work zone.

APPLICATION AND COMPLIANCE NOTE

Final USP <800> suitability depends on the complete installation, room conditions, exhaust configuration, operating procedures, hazardous drug assessment, and site certification. Product configuration and performance values must be confirmed by PCI for the specific application.

LAMINAR FLOW HOODS



PRODUCT SPECS

STANDARD

- Polypropylene Construction (hood & base)
- Magnehelic Gauge
- Polypropylene Valves, hinges, and plumbing
- Vertical Sliding sash
- Audible Exhaust Alarm
- Digital Velocity Meter
- PP work surface
- PVC, Lexan, or Glass sash
- FFRP, PVC, CPVC, FM 4910 Compliant
- Variable Speed Blower
- Full width plenum with adjustable dampers
- Base leveling feet
- Base cabinet with secondary storage

OPTIONAL

- GFCI Receptacles 110V/240V
- 250 nm UV light
- Stainless Steel Liner
- FFRP, PVC, CPVC, FM 4910 Compliant material

STANDARD SIZES

PCI-LFH 4- 4' Floor Mounted Ducted Hood

PCI-LFH 6- 6' Floor Mounted Ducted Hood

PCI-LFH 8- 8' Floor Mounted Ducted Hood

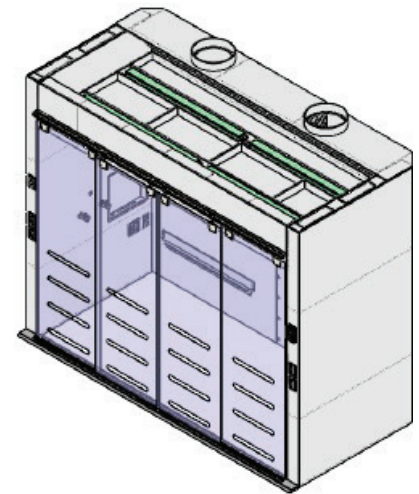
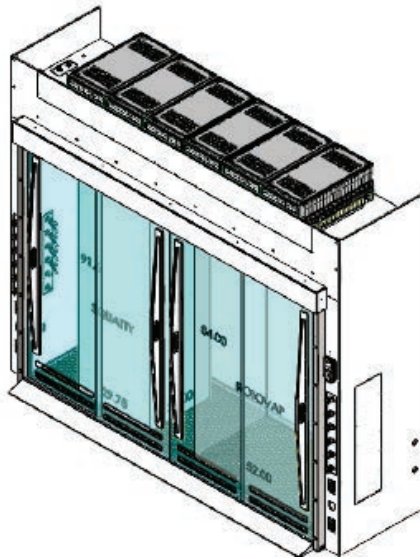
DESIGNED TO THE FOLLOWING AS APPLICABLE

- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- USP 795 and 800
- ISPE Guidelines

Additional Information:

PCI's laminar flow hoods are designed to ensure an ISO 5 clean environment within the work-zone of the enclosure. Equipped with H14 HEPA filters, variable fan speed control, and rear adjustable baffles provides the user with variability of internal working conditions. Each hood can be designed to provide one way pass through air flow for product protection or two-way pass through air flow (positive & negative) for product and user protection. Positive air flow is provided by an internal blower while negative extraction air flow is provided through the facilities mechanical system (HVAC).

FLOOR MOUNTED HOODS



PRODUCT SPECS

STANDARD AND AVAILABLE OPTIONS

- Polypropylene Construction
- Double or single wall construction
- Polypropylene Valves, hinges, and plumbing
- Vertical Sliding sash
- Horizontal Sliding Sash
- Hinged Combo Sash
- Audible Exhaust Alarm
- Digital Velocity Meter
- PVC, Lexan, or Glass sash
- Variable Speed Blower (Ducted ONLY)
- Independent blowers with application specific filter stacks using Erlab's Advanced Filtration Technology (Ductless ONLY)
- Full width plenum with adjustable dampers
- Digital Anemometer (Ducted)
- Internal Self monitoring Anemometer (Ductless ONLY)
- GFCI Receptacles 110V/240V
- Stainless Steel Liner
- Recirculating (trace metal)
- FFRP, PVC, CPVC, FM 4910 Compliant

STANDARD SIZES

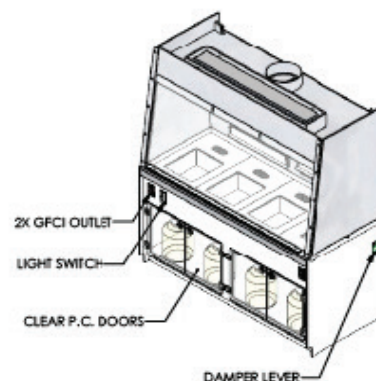
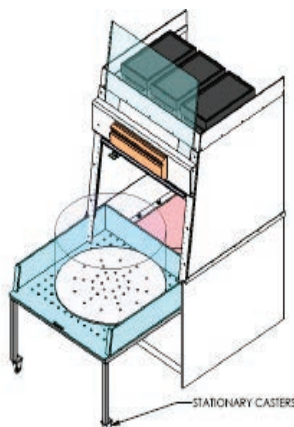
- PCI - LFH -3 - 3' hood
- PCI - LHP -4 - 4' hood
- PCI - LHP -6 - 6' hood

DESIGNED TO THE FOLLOWING AS APPLICABLE

- NEC Codes (s)
- NFPA 45 : Fire Protection for Laboratories
- NFPA 91: Exhaust systems
- ACGIH
- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- SEFA
- OSHA 29 CFR
- AFNOR NFX 15 211 - containment & filtration efficiency



CUSTOM HOODS



PRODUCT SPECS

****All Custom Hoods are designed based on customers unique requirements starting with a conceptual drawing and continuing to final design and build****

Options for both Ducted and Ductless designs based on customers specific application.

Standard material - Polypropylene, Acrylic, and Lexan

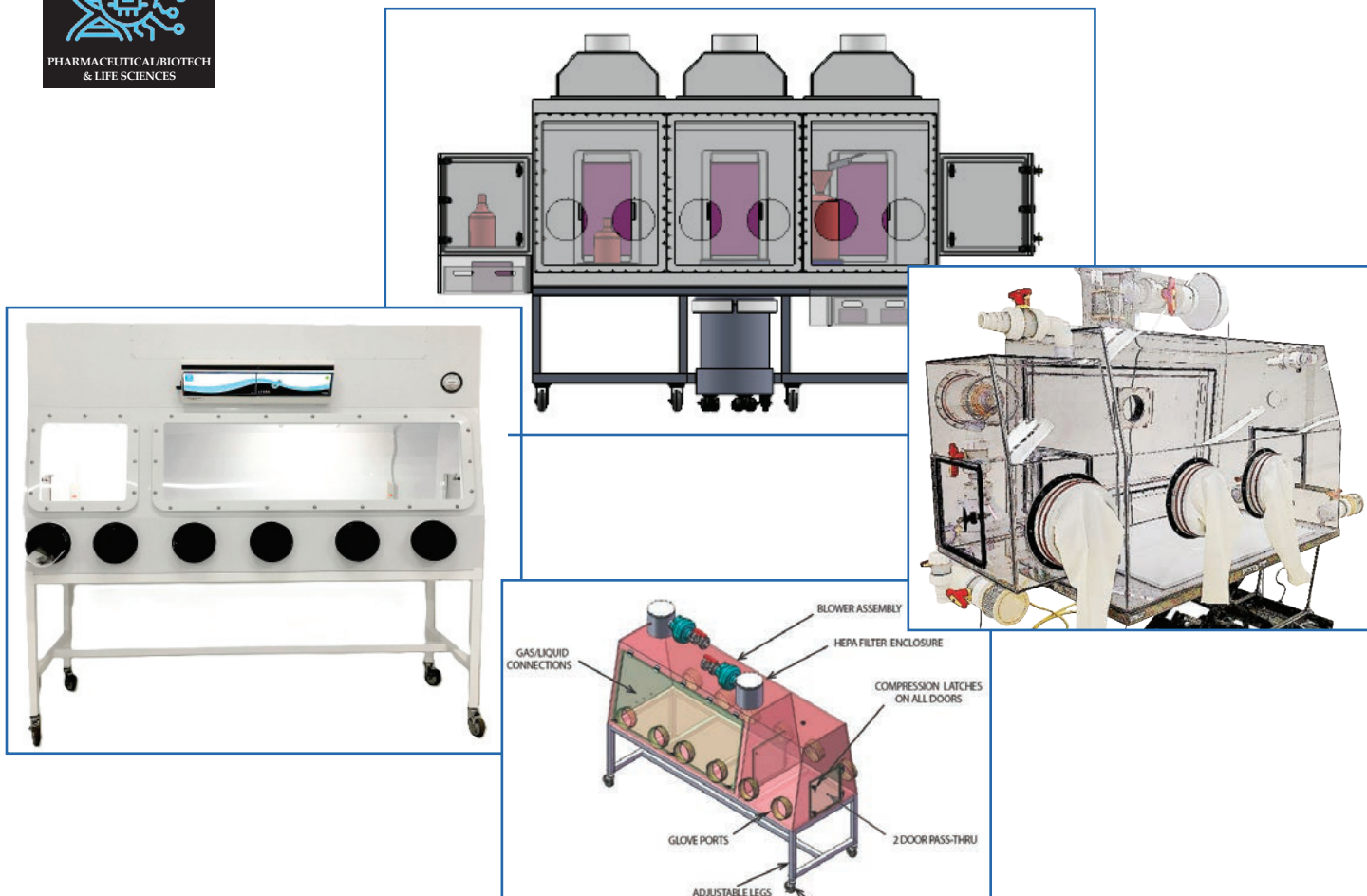
Optional Material - Stainless, Steel, Teflan, FM4910 CPVC

DESIGNED TO THE FOLLOWING AS APPLICABLE

- NEC Codes (s)
- NFPA 45 : Fire Protection for Laboratories
- NFPA 91: Exhaust systems
- ACGIH
- ANSI/ASHRAE 110-1995: Testing Fume Hoods
- ANSI Z95: Laboratory Ventilation
- SEFA
- OSHA 29 CFR
- AFNOR NFX 15 211 - containment and filtration efficiency



ISOLATORS & GLOVE BOXES



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Acrylic, Lexan, PP, or Stainless Steel
Size	3' - PCI GBI3 / 4' - PCI GBI4 / 5' - PCI GBI5 / 6' - PCI GBI6
Glove Ports	180-220 mm, Various Glove Material based on handling's
Filtration	HEPA H14 in/out
Utilities	Gas ports, electrical feed through, KF flanges
Antechamber	Various sizes depending on application

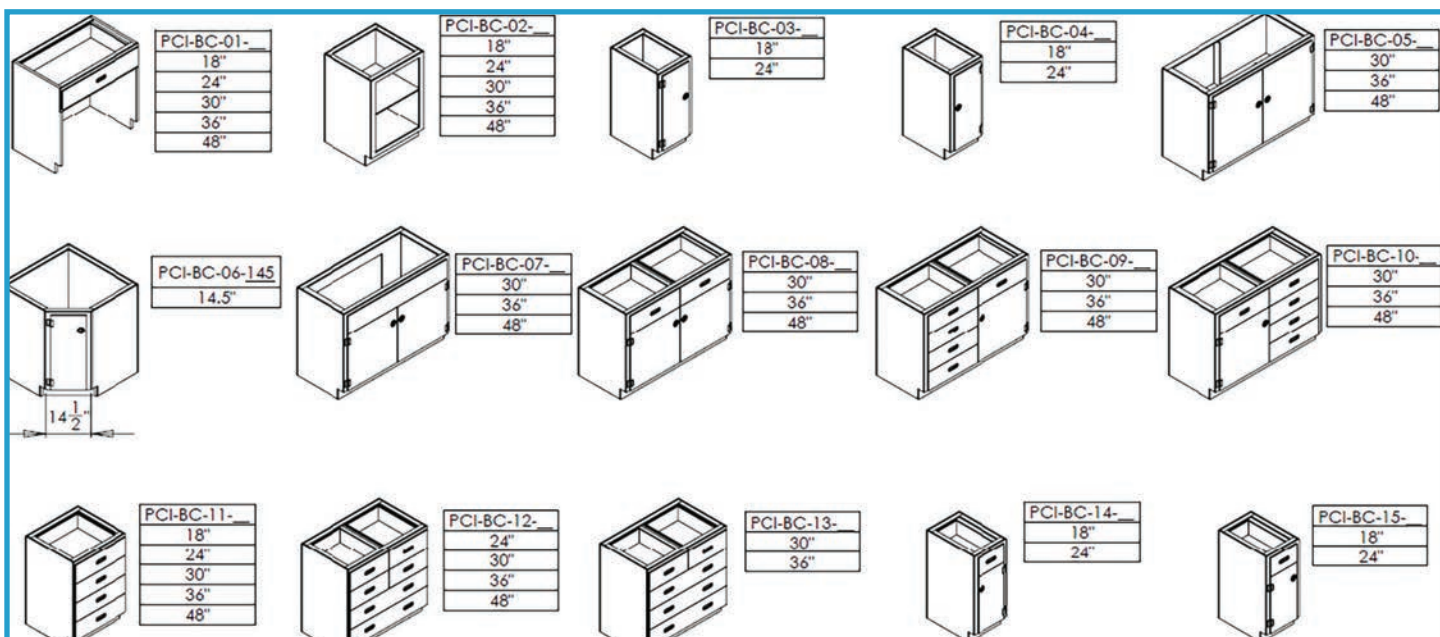
**All designs meet customer requirements, applicable codes, and performance criteria including inert atmospheres **

CASEWORK



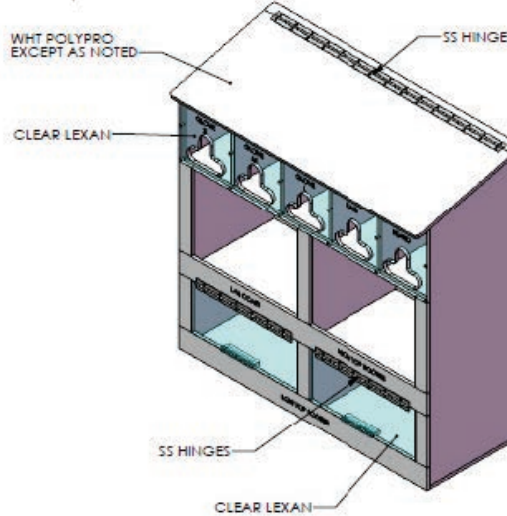
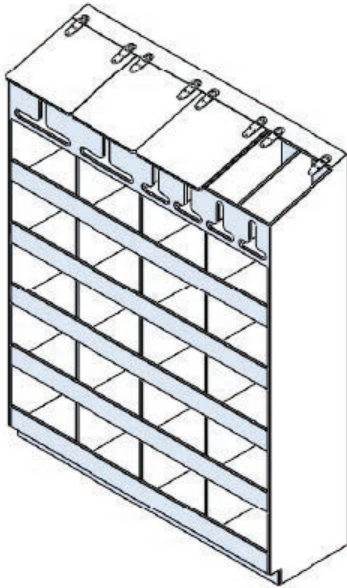
PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	1/2" thick white polypropylene (cabinets) Epoxy (tops) 1/2" thick black polypropylene (tops)





GARMENT DISPENSING CABINETS



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene, Acrylic, Lexan
Size	4' - PCI GDB 4 (48" W x 72" H) 6' - PCI GDB 6 (60" W x 72" H) 8' - PCI GDB 8 (96" W x 72" H) Custom sized sizes available
Bins	PCI GBD 4 - 15 - 14" x 8" PCI GBD 6 - 25 - 14" x 8" PCI GBD 8 - 32 - 14" x 8" Customized shelves and bins available
Options	• Sloped roof with disposable dispensing stations • PP lined Acrylic door with & without locks • Cleanroom compatible casters • Lower and top drawers



GARMENT BINS

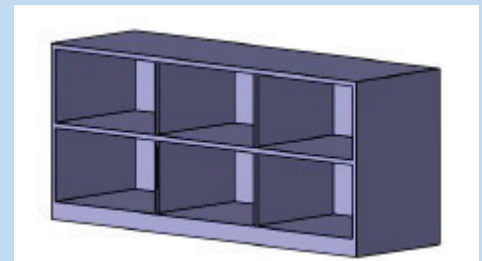
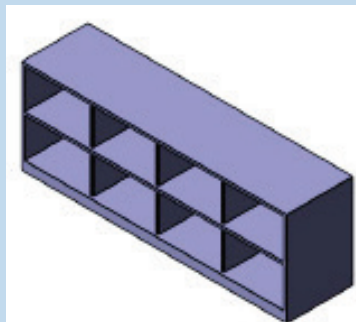
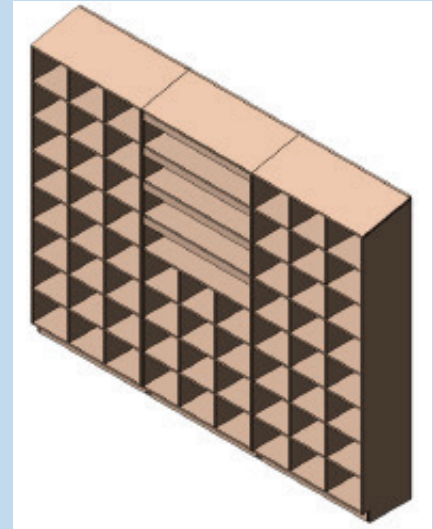
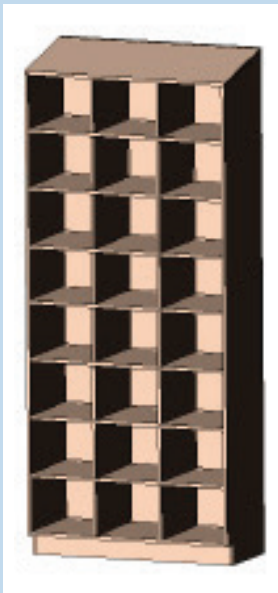


PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene, Acrylic, Lexan
Size	2' - PCI CHP 48 (24" W x 48" H) 2' - PCI CHP 83 (24' W x 83" H) 3' - PCI CHP 48 (36" W x 48" H) 3' - PCI CHP 83 (48" W x 83" H) Custom sized sizes available
Door Options	• Hinged slam latch • Hinged with compression latches (lockable) • Single and double available
Options	• Sloped roof with disposable dispensing stations • Acrylic door with & without locks • Cleanroom compatible casters



SHOE BINS



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene
Size	PCI SBC - 001 (24" High) PCI SBC - 002 (38" High) PCI SBC - 003 (75" High) Width to discussed based on available real estate
Bin Options	8" 16" 24" Staggered placement available
Options	• Sloped roof • Staggered bin placement • Cleanroom compatible casters



GOWNING BENCHES

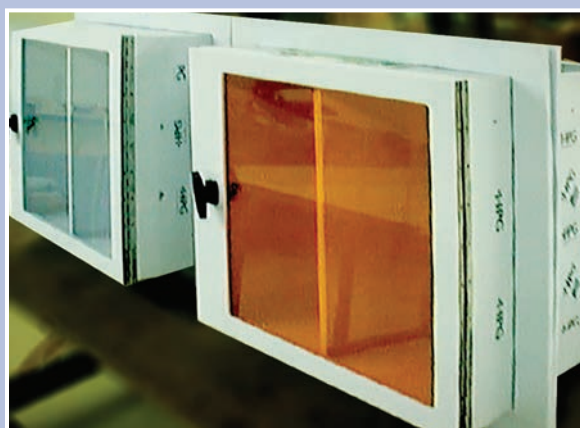


PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene - fully welded and horizontally constructed
Size	PCI GBC - 36 (36" x 16" x 18") PCI GBC - 48 (48" x 16" x 18") PCI GBC - 60 (60" x 16" x 18") PCI GBC - 72 (72" x 16" x 18")
Options	• Stainless Steel Construction • Stainless Steel Leveling Feet • Heavy duty style (300 lbs load) • Under table drawers



PASS THRU'S

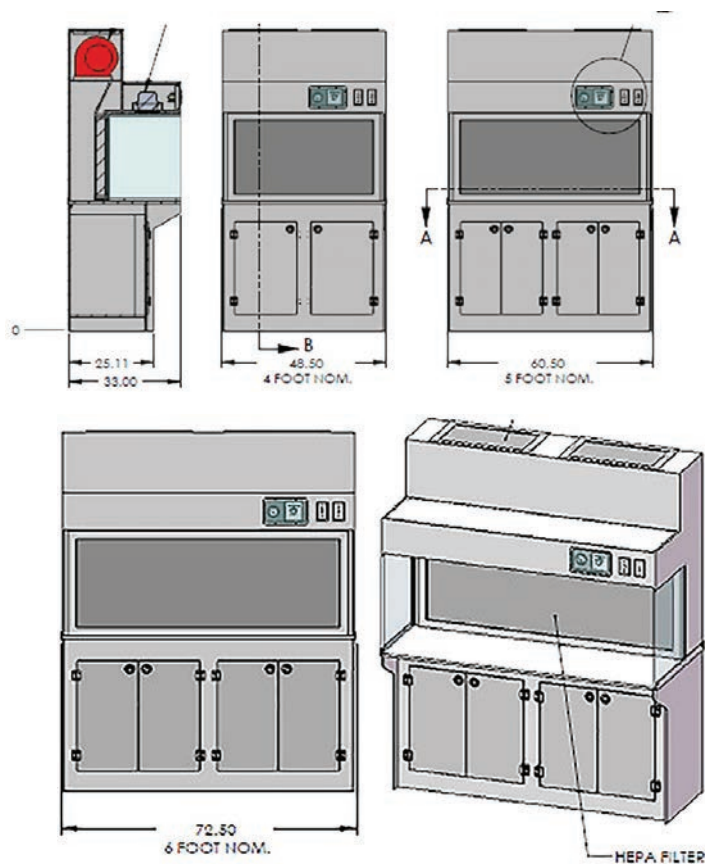
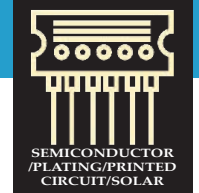


PRODUCT SPECS

Construction	Polypropylene/Acrylic/Lexan Continuous bead weld Compression latches
Sizes	PCI CRPT 16 - 16" W x 24" D x 16" H PCI CRPT 24 - 24" W x 24" D x 24" H PCI CRPT 36F - 36" W x 72" H x 24" D Custom Sizes Available
Options	• 304/316Stainless Steel Construction • Acrylic • UV Sterilization • ESD Coating • Upward swing door • HEPA Filtered • Interlocks " manual or electric"



ISO5 CLEAN HOODS



PRODUCT SPECS

STANDARD

- Polypropylene, Construction
- Polypropylene Base Cabinet
- Polypropylene Valves, hinges, and plumbing
- Recirculating
- PP work surface
- Variable Speed Blower
- Full width Rear HEPA Filter for Uniformed Laminar Flow
- Anti-Static
- Variable Fan Speed
- Magnehelic gauges

OPTIONAL

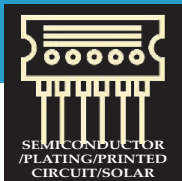
- GFCI Receptacles 110V/240V
- Stainless Steel Liner
- FFRP, PVC, CPVC, FM 4910 Compliant

STANDARD SIZES

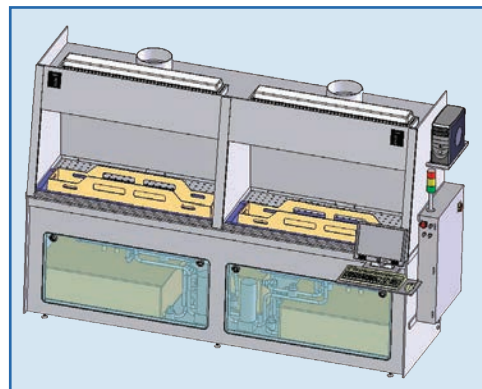
- PCI -CBD 4- 4 ' Clean Bench
- PCI - CBD 5- 5' Clean Bench
- PCI- CBD 6- 6' Clean Bench

DESIGN SPECIFICATIONS

Semi 2, OSHA, FM 4910, ISO 14644



WET PROCESS BENCHES



PRODUCT SPECS

STANDARD

- Polypropylene, PTFE, PVDF
- Polypropylene Valves, hinges, and plumbing
- Audible Exhaust Alarm
- Digital Velocity Meter
- PP work surface
- FFRP, PVC, CPVC, FM 4910 Compliant
- Variable Speed Blower
- Full width plenum with adjustable dampers
- Chemical tanks
- Rinse Tanks
- Drying Modules
- Chemical Delivery Systems
- Connection collar flange for house exhaust
- Integrated PLC controls
- Magnehelic gauges

OPTIONAL

- GFCI Receptacles 110V/240V
- Spray Nozzles
- Stainless Steel Liner
- FFRP, PVC, CPVC, FM 4910 Compliant Material

STANDARD SIZES

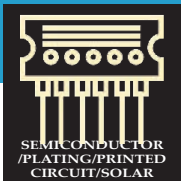
PCI -WBD 4- 4 ' Wet Bench

PCI - WBD 5- 5' Wet Bench

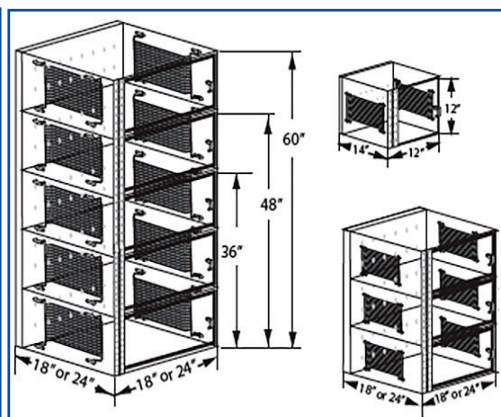
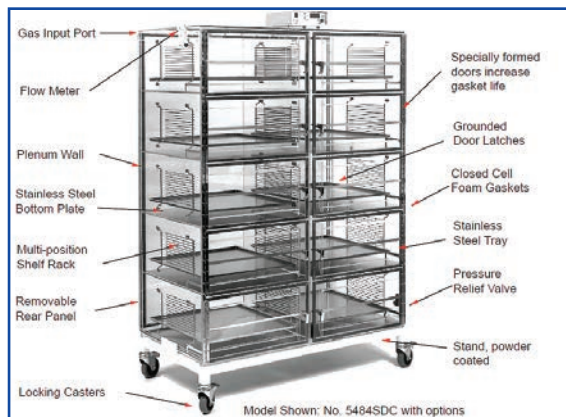
PCI- WBD 6- 6' Wet Bench

Design Specifications:

Semi 2, OSHA, FM 4910



DESICCATOR CABINETS



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Cell Cast Acrylic Stainless steel (optional)
Sizes	PCI DSC 12-1 (12" x 14" x 12") - 1 door PCI DSC 18-3 (18" x 18" x 36") - 3 doors PCI DSC 18-4 (18" x 18" x 48") - 4 doors PCI DSC 24-3 (24" x 18" x 36") - 3 doors PCI DSC 24-4 (24" x 18" x 48") - 4 doors PCI DSC 24-5 (24" x 24" x 60") - 5 doors PCI DSC 36-6 (36" x 18" x 36") - 6 doors PCI DSC 36-8 (36" x 24" x 48") - 8 doors PCI DSC 36-10 (36 " x 24" x 60") 10 doors PCI DSC 48-6 (48" x 24" x 36") 6 doors PCI DSC 48-8 (48" x 24" x 48") 8 doors PCI DSC 48-10 (48" x 24" x 60") 10 doors Add STD for a cabinet w/out a rear plenum Add PW for a cabinet with rear plenum for gas input
Features	Gas input port flow meter plenum; wall stainless steel bottom plate for each door; removable rear panel; Specialty doors for increased gasket life; Grounded door latches; Closed cell foam basket Stainless Steel trays (optional) Powder coated stand (optional) Polypropylene stand (optional).



CAGE DUMPING / STERILIZATION STATIONS

BUILT FOR CLEAN, CONTAINED WORKFLOWS

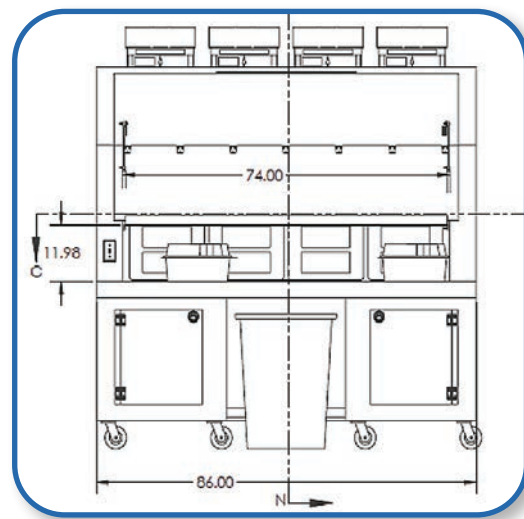
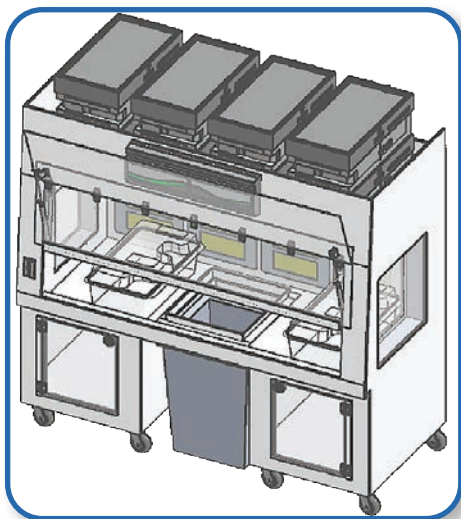
FEATURES

- Designed for various reusable cage dimensions
- Mobile Unit
- Reduce cage recycling costs by 50% - 75%
- Industry proven filtration technology
- Real-time air flow and filter monitoring
- Ducted or Ductless available design
- Barrel and Bulk Powder flanged bag connection



BENEFITS

- Ergonomic design for operator use
- Quick change back Pre-filter replacement
- Easy twist and release independent back filter
- Polypropylene or Stainless
- Multiple size variations (6' - 8')
- Cost savings ROI < 12 months
- H14 HEPA & Carbon Filtration



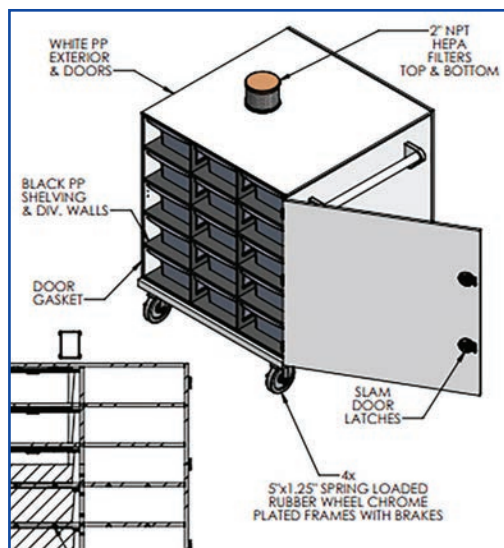
DIMENSIONS

WIDTH	86" - 96"
HEIGHT DUCTLESS	89.5"
HEIGHT DUCTED	81"
DEPTH	38"

SPECIFICATIONS & OPTIONS

- Adjustable lift base cabinet
- Side pass thru's
- Vertical sliding sash
- Carbon filters for vapor capture
- Casters & leveling feet
- Meets ANSI/ASHRAE NF X 15 211 filtration standard (ductless)

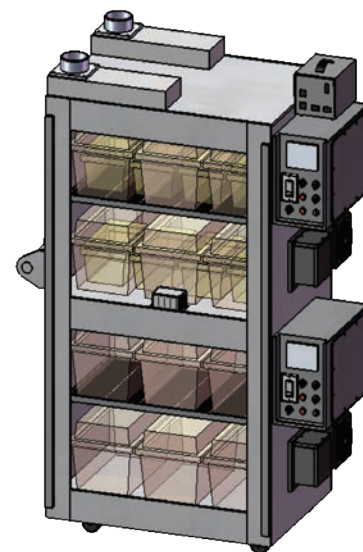
ANIMAL TRANSFER STATIONS



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene 304/316 Stainless
Sizes	All units are customized based on species, cage type, load, and facility layout
Options	HEPA filtered Airflow control (Inlet/Outlet) Multi cage capacity, high load capacity, clear acrylic or lexan windows for visibility, Battery back-up.

ANIMAL DARK BOXES, CHAMBERS & CONTAINMENT



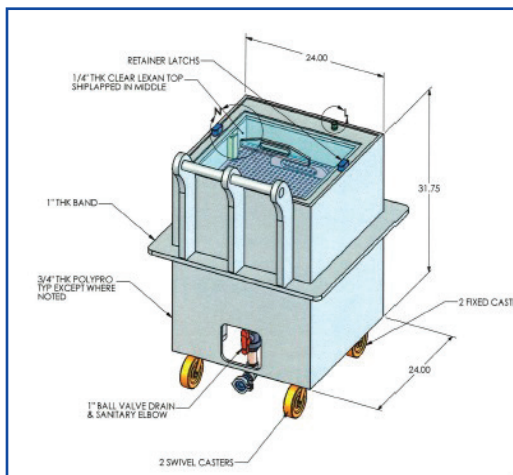
PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene 304/316 Stainless Lexan Acrylic
Sizes	All units are customized based on species, cage type, load, and facility layout.
Options	• HEPA filtered Airflow control (Inlet/Outlet) • Multi cage capacity • High load capacity • Clear acrylic or lexan windows for visibility • Battery Back-up • Temp/Humidity control • Negative Pressure Control • Airflow monitoring display • Glove ports • Sealed transfer doors • Service hatches • Stand Alone Blower System for isolated environments • Anesthesia integration ports



PHARMACEUTICAL/BIOTECH
SCIENCES/ANIMAL RESEARCH

IMMERSION CLEANING SOAK TANKS



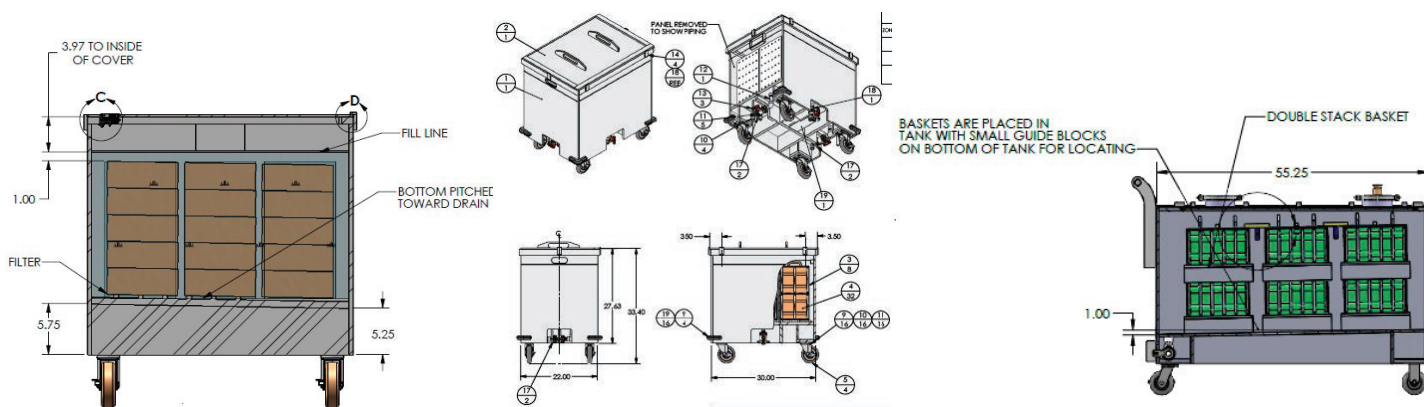
PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene 304/316 Stainless
Sizes	PCI ST 24 - 24' x 24" x 31.75" PCI ST 40 - 24" x 40" x 31.75" PCI ST 48 - 24" x 48" x 31.75" Custom sizes available upon request
Features	• Sanitary Ball Valve Drain Dispensing nozzle • Clear Lexan cover • Cleanroom compatible castors Retainer Latches • 1" thick girth band • FM 4910 PP available upon request • USP Class VI PP material upon request • Fully Customizable



PHARMACEUTICAL/BIOTECH
SCIENCES/ANIMAL RESEARCH

FILTER MEMBRANE SOAK TANKS



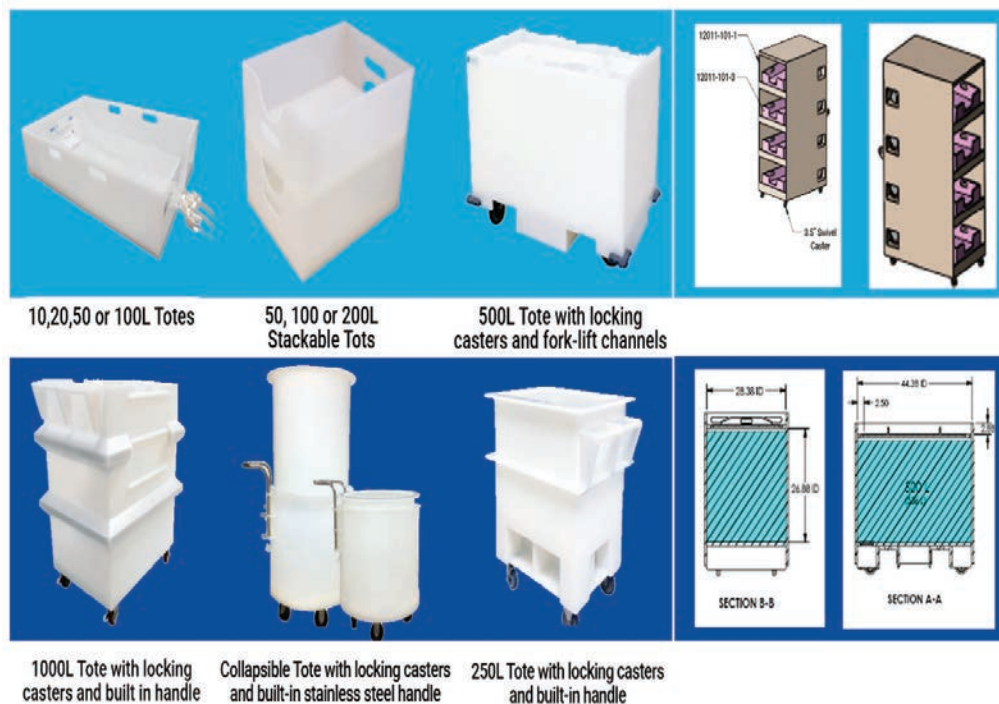
PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene 304/316 Stainless
Sizes	Completely customizable - No standard
Features	• Sanitary Ball Valve Drain • Sloped interior floor for drainability • Dispensing nozzle • Clear Lexan cover • Cleanroom compatible castors • Retainer Latches • Agitation pump (optional) • Forward and back flush rinse (optional) • Reservoir separation with separate dispensing nozzles • Clap Caps Viewports • USP Class VI PP available upon request • Fully Customizable



PHARMACEUTICAL/BIOTECH
SCIENCES/ANIMAL RESEARCH

RIGID BAG TOTES



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene
Sizes	PCI RST 10 - (10L , 20L, 50L, 100L Totes) PCI RST 10ST (10L, 20L, 50L, 100L stackable Totes) PCI RST 250M (250L mobile bag tote) PCI RST 500M (500L mobile bag tote) PCI RST 1000M (1000L mobile bag tote) PCI RST C - (collapsible bag tote) PCI RST 10 & PCI RST 10st ad 2, 5, 1 to the part number to denote volume <i>Customized sizes available</i>
Features	• Sanitary Ball Valve Drain • Sloped interior floor for drainability • Dispensing nozzle • Clear Lexan cover • USP Class VI PP available (upon request) • Stainless steel racking (upon request) • Fully Customizable



PHARMACEUTICAL/BIOTECH
SCIENCES/ANIMAL RESEARCH

MIXING TANKS & SEPARATORS



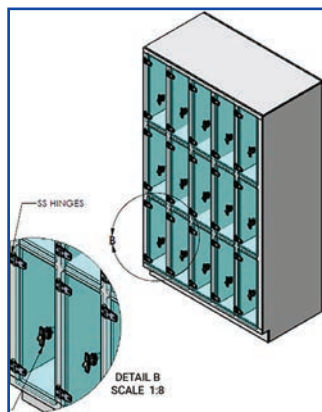
PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene USP Class VI PP Kynar (PVDF) HDPE Teflon Clear Acrylic Clear Lexan PVC High Purity Virgin PP Options Available
Sizes	PCI MXT 20 (20L mixing tank) PCI MXT 50 (50L mixing tank) PCI MXT 75 (75L mixing tank) PCI MXT 100 (100L mixing tank) PCI MXT 200 (200L mixing tank) PCI MXT 500 (500L mixing tank) PCI MXT 1000 (1000L mixing tank) Separation tanks part #PCI SPT followed by volume <i>Customized sizes available</i>
Features & Options	• Tank Stand • Liquid Level Sensor • Load Cells • Spray Balls, • View and Access Ports • Siphon Tubes Valves, • Dip Tubes • Pressure Transducers • Internal Baffles • Level Markers • Fitting (sanitary, coupling, flanges, bulk head) • Valves (ball valve, diaphragm) • Agitation (mixer, pumps)



PHARMACEUTICAL/BIOTECH
SCIENCES/ANIMAL RESEARCH

HOSE MANAGEMENT SYSTEMS



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	Polypropylene base structure Polycarbonate doors
Sizes	As hose management is very specialized and dependent on each facility, standard sizes are not available. All request will be designed based on each customers requirement and made to order.
Features	• Casters Compression • Latches Multi-door • Features Stainless Steel • Hinges Free standing • Wall hanging • Hose clamps

CARBOYS & FLUID MANAGEMENT



PRODUCT SPECS

CATEGORY	TYPICAL RANGE / FEATURES
Construction	HDPE, Polypropylene base structure USP Class VI material
Sizes	PCI CRB 2 - 2.5 L Carboy PCI CRB 5 - 5 L Carboy PCI CRB 10 - 10L Carboy PCI CRB 15 - 15L Carboy PCI CRB 20 - 20L Carboy PCI CRB 25 - 25L Carboy PCI CRB 40 - 40L Carboy PCI CRB 75 - 75L Carboy PCI CRB 100 - 100L Carboy All customization for fluid management will be an add on to the part number as an option
Features	USP Class VI Tri-Clamp Connection Modified to meet your specific fluid management requirements



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