Thermo Scientific HeraSafe 2030i Biological Safety Cabinet

Setting new standards in biological safety cabinets

ThermoFisher
SCIENTIFIC

Smarter protection
that never takes a day off

The Herasafe 2030i series of biological safety cabinets leverages a legacy of global leadership in BSC design with breakthrough innovations to optimize contamination prevention, user convenience and information management, delivering the most technologically advanced Class II cabinets available.

Equipped with "smart" self monitoring safety features, intuitive graphic touchscreen interface and built in connectivity to preserve important performance data, the HeraSafe 2030i delivers performance with unmatched precision, for demanding cell culture applications and other sensitive work requiring assured safety for product, personnel and environment, especially for bio pharma and advanced research initiatives.

Thermo Scientific biological safety cabinets are designed to maximize sample protection and user safety, with an emphasis on containment, comfort and convenience, all day, every day. For more than 5 decades we have been a pioneer and innovator of clean air technologies. Our global vision and experience have enabled us to continually provide the best application based solutions ideally suited for your requirements and working environment, with compliance to all major worldwide safety standards.

Precise self adjusting protection

Autonomous safety features maintain proper air flow and monitor critical conditions in real time without user interaction. This supports valuable research enabling our customers to focus where needed.

Simplified operation and ergonomics

Readily understandable graphical display provides the information you need, while electronic sash with fully hinged opening enables easy access for supplies and equipment, and simplifies easy cleaning and disinfection

Enhanced information management

Electronically collect key operational and performance data on the secure Thermo Scientific Cloud and remotely monitor from anywhere, to evaluate your processes and accelerate your discoveries

Simplified operation and ergonomics

Readily understandable graphical display provides the information you need, while electronic sash with fully hinged opening enables easy access for supplies and equipment, and enables easy cleaning and disinfection.

Helping ensure that the BSC is managing safety conditions autonomously, and is simple and intuitive to use allows our customers to fully focus on demanding applications and precision science.

| Intuitive | Simple | Convenient

Real time display & BSC naming capabliity

Company common menu bar

Globally recognizable icons

Animated airflow

Company common "Health Status" icon

Additional velocity information

Frequent programs

Programmable functions:
Edit auto start

Acme Labs BSC 1
11:42:26AM | May 12, 2015

- ✓ Window   Ready
- ✓ Downflow Ready 0.46m/s
- ✓ Inflow   Ready 0.32m/s

AutoStop   UV   ⓘ

Push button operations

Acme Labs BSC 2
11:22:24AM | May 12, 2015
Edit AutoStart

- ☑ Window Open
- ☑ Fan On
- ☑ Light On
- ☑ Receptacle On
- ☑ Temporarily Mute Window Alarm

Save

Smart Clean Plus
Fully opening front-hinged window design enables easy cleaning and disinfection with full access to the interior cabinet space.

Full opening also allows convenient posture for thorough cleaning and visible reach to all cabinet surfaces including rear wall.

316L Stainless steel interior (standard)
Most resistant to scratches and chemical attack in the user zone. All surfaces inside the HeraSafe 2030i are from 316L stainless steel The finish is "brushed and sanded" which both reduces glare and offers better scratch resistance.

Smart technology delivering optimal containment and energy efficiency

Autonomous safety features insure continuous accuracy that never takes a day off – providing optimal protection from contamination by compensating to match the way you work and lab environment

Sash Opening 200/250mm **|** Smart Flow+ and Dave+ **|** Password Protection **|** UV Protection Energy **|** Efficient Design **|**
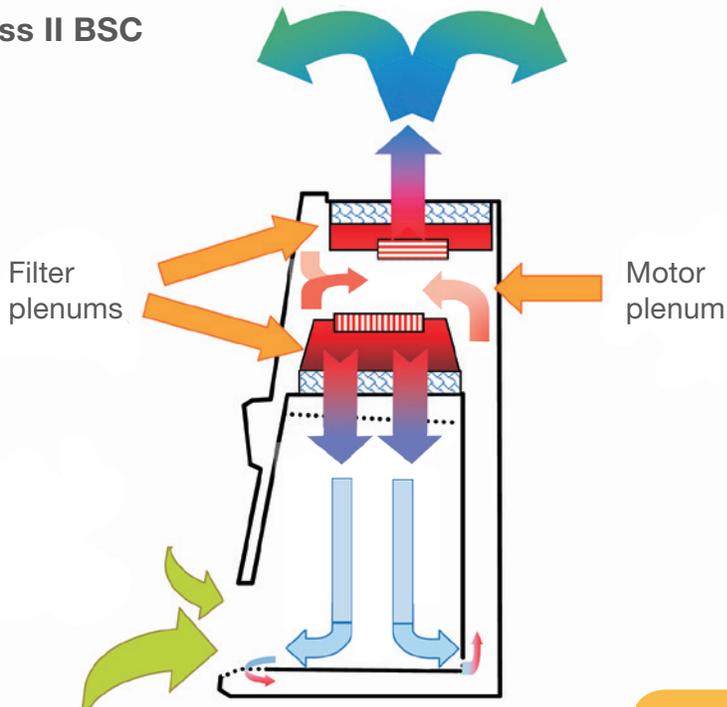
Electronic front sash window

with push button simplicity the front window automatically positions itself at the position mandated by local regulation to assure proper working conditions. Sloped front window allows fatigue free working position and is aerosol tight sealed when closed

200mm sash opening (Standard) provides optimum balance of comfort plus efficiency.

250mm sash opening (optional) provides additional convenience for quick and safe consumables movement.

Class II BSC

Filter
plenums

Motor
plenum

SmartFlow Plus

patented proprietary design automatically
compensates unique energy saving dual DC blower
motors to insure the proper airflow rates no matter
the loading condition of the protective HEPA filters.
Unlike typical BSC's which rarely perform at the
same levels day after day due to HEPA loading,
and potential disruptions to airflow such as paper
covering vent openings.

How does this work?

Independent intelligent DC motors for downflow
and inflow monitor and control fan speed in real
time to maintain balanced airflow during filter
loading or temporary obstruction.

Exclusive to our BSCs, independent supply and
exhaust blowers automatically balance both the
downflow and inflow velocities to maintain both
operator and sample protection.

Dave Plus

our unique digital airflow verification system validates
protection by monitoring airflow velocities with
independent pressure sensors which detect and alert to
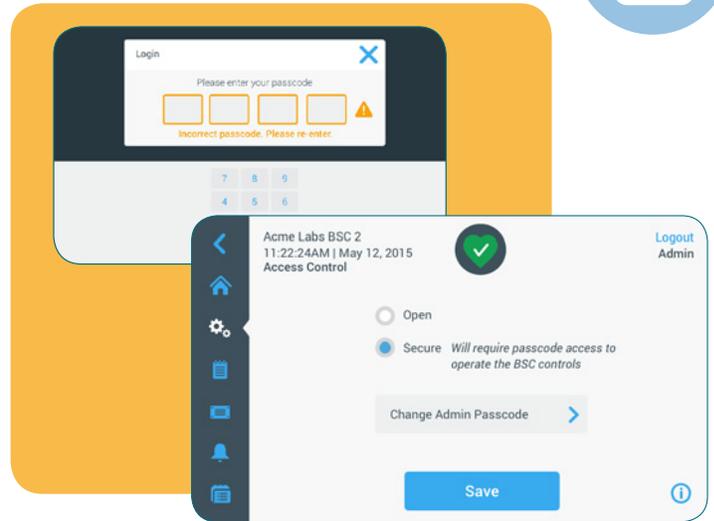any changes across the exhaust and downflow plenums.

How does this work?

By sensing pressure in the throat of the blowers,
DAVePlus monitors airflow directly for the inflow
and downflow in the Herasafe 2030i to assure
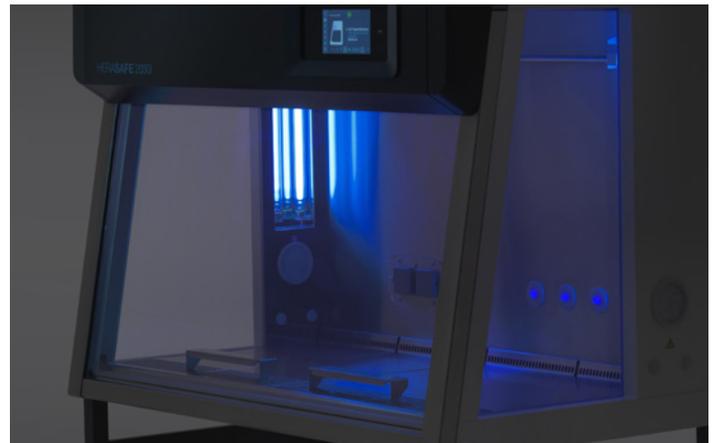both personal and sample protection.

Controlled Passcode Access

for convenience the BSC can be configured via the user interface to operate in "open mode" or "secure mode" depending upon working preferences and lab environment. In secure mode a selectable passcode must be entered to enable operation of the BSC. In this way different units utilized by different personnel for specific applications, may be controlled by providing a unique passcode to each, or the same code to all.

Self adjusting germicidal UV light intensity

for those who routinely employ UV germical light to their work surface at the end of the work day, we provide a time adjustable functionality to auto shut off the light at the desired interval to preserve bulb life. Our exclusive self adjusting exposure capability insures reproducible germicidal effectiveness with every use, by assuring performance at consistent levels to protect your important work.
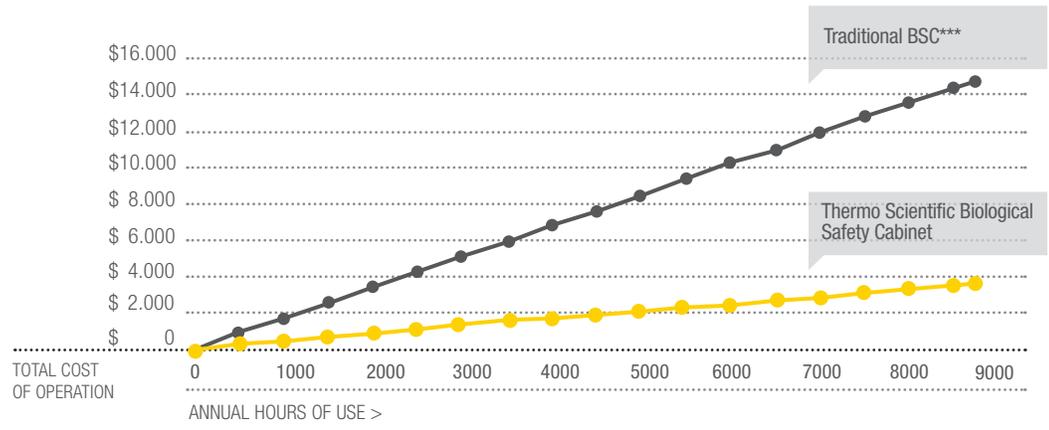

Energy efficient design

- Energy conserving dual DC motor design, generates less heat than older AC designs with double the usage lifetime and digitally controllable for precision performance

- Stand-by mode automatically reduces blower speed to protect samples with reduced energy usage until you are ready to resume work

Optimizing total cost of operation

Thermo Scientific SmartFlow airflow compensation and balanced filters have led to safer BSCs that are easier to use and significantly less costly to operate.**

The more you use it, the more you save!

Traditional BSC***

Thermo Scientific Biological Safety Cabinet

TOTAL COST OF OPERATION

ANNUAL HOURS OF USE >

Costs, published in American Biotechnology Laboratory, September 2008.

** Compared to previous models.

*** Comparison based on 15 year life of 1.2 m wide biological safety cabinets and 2011 average costs of energy and cooling in the EuroZone. "Traditional BSC" estimates based on published product specifications for readily available BSCs using AC motor technology.

Innovative productivity enhancements simplify use, comfort and cleaning

Full color touch screen user interface – safety you can see

Our advanced yet simple to operate, best in class graphic user interface is customer tested to provide easy navigation and convenient illustration of airflow safety and usage data to address any lingering user concerns about the cabinet functioning properly to product them and their valuable samples. Performance details such as user interaction logs, errors and event logs are easily identified to drive continuous process improvement and reproducibility of results.

Standard smart ports

provided as standard with every cabinet, Smart Ports provide clean and safe approach to incorporating vacuum tubing and cables through the side wall of the BSC, for improved organization and work efficiency. The side wall plenum is under negative pressure preventing possibility of leakage in or out of the BSC during operation.

Customisation

options are available for the Herasafe 2030i. We have vast experience in designing custom adaptations to our BSC's. We can design from scratch or provide frequently requested solutions.

Large interior work space/premium 316 non-corrosive stainless steel

conveniently large interior workspace provides ample room for incorporation of instruments and process optimization devices including robotic arms. We utilize a "brushed and sanded" finish to provide maximum scratch resistance and non-reflective properties.

Padded armrests

adjustable ergonomic armrests are provided with each unit to assure proper arm support to reduce strain during prolonged work periods while extending reach within the cabinet. Removable gel filled comfort pads are available as an option to enhance the user experience.

Interior LED lights

visibility within the cabinet is enhanced with the use of bright, energy efficient lighting, eliminating the potential for fatigue often experienced with use of standard fluorescent lighting

Exclusive one touch start /stop function

exclusive one touch auto start and stop function activates or deactivate all cabinet components efficiently, and ready to use without lengthy wait times.

Smart Clean hinged front window

our exclusive fully opening front hinged window design enables easy cleaning and full access to the cabinet interior work space for thorough cleaning/disinfection and incorporation of ancillary work tools and equipment as may be desired.

Enhanced information management with the convenience of connectivity

Most of the enhanced information provided by the touch screen interface, can be remotely monitored and captured by web based or mobile app for subsequent analysis, eliminating the need for paper notebooks

Standard USB data outputs – enable export of data to external data systems if desired. A powered connection is included in the front panel to enable convenient accessory charging and accommodate future software update uploads

Convenient event and alert messaging logs – accessible in the user interface provide useful and important usage data and alert information for process optimization and maintenance

Embedded connectivity – ready for plug and play into the Thermo Fisher secure cloud as desired. Enables simplified information sharing with colleagues and enhances productivity through performance monitoring from anywhere, anytime improving process control, reporting and asset management, with use of the exclusive free Thermo Scientific mobile app

Future proof – once you have incorporated the Thermo Scientific Cloud you are positioned to benefit from continuous improvement of data management, as your capabilities with expand as the Thermo Scientific cloud evolves to include new functionality over time (active Q4 2018)

Herasafe 2030i Ordering Information		EN 12469				NSF/ANSI 49	
Size/Internal width	m (ft)	0.9 (3)	1.2 (4)	1.5 (5)	1.8 (6)	1.2 (4)	1.8 (6)
200mm Sash with Cross Beam UV-C in side walls		51032328	51032329	51032330	51032331		
200mm Sash – no options included** (250mm/10" sash can be optioned)		51032324	51032325	51032326	51032327		
250mm (10") Sash with Cross Beam UV-C in side walls, indented single piece work tray and prep for 3x rear wall mount service taps						51032334	51032335
250mm (10") Sash, indented single piece work tray						51032332	51032333
Window operating aperture 10" (250mm)	Option	51901247**				Standard	

Dimensions

External Dimension (Cabinet only)	depth	mm (in.)	800 (31.5)	800 (31.5)	800 (31.5)	800 (31.5)	800 (31.5)	800 (31.5)
	width	mm (in.)	1000 (39.4)	1300 (51.2)	1600 (63.0)	1900 (74.8)	1300 (51.2)	1900 (74.8)
	height	mm (in.)	1536 (60.5)	1536 (60.5)	1536 (60.5)	1536 (60.5)	1536 (60.5)	1536 (60.5)
Usable Work Surface (net, without air intake grill)	depth	mm (in.)	465 (18.3)	465 (18.3)	465 (18.3)	465 (18.3)	465 (18.3)	465 (18.3)
	width	mm (in.)	900 (35.4)	1200 (47.2)	1500 (59.1)	1800 (70.9)	1200 (47.2)	1800 (70.9)
Shipping Dimension	depth	mm (in.)	925 (36.4)	925 (36.4)	925 (36.4)	925 (36.4)	925 (36.4)	925 (36.4)
	width	mm (in.)	1110 (43.7)	1410 (55.5)	1710 (67.3)	2010 (79.1)	1410 (55.5)	2010 (79.1)
	height	mm (in.)	1710 (67.3)	1710 (67.3)	1710 (67.3)	1710 (67.3)	1710 (67.3)	1710 (67.3)
Working height of front window	mm (in.)	200 (8)				250 (10)	
Maximum window opening (for cleaning, loading/unloading)	mm (in.)	773 (30.4)	773 (30.4)	773 (30.4)	773 (30.4)	773 (30.4)	773 (30.4)
Work surface height	mm (in.)	750-950 (29.5-37.4)				750-950 (29.5-37.4)	

Weight

Net weight	kg (lbs)	170 (375)	200 (441)	230 (507)	280 (617)	200 (441)	280 (617)
Shipping weight	kg (lbs)	190 (419)	225 (496)	260 (573)	315 694	225 (496)	315 694
Max load capacity of one-piece work surface	kg (lbs)	50 (110)	50 (110)	50 (110)	50 (110)	50 (110)	50 (110)
Max load capacity of single segmented work surfaces (per 30cm segment)	kg (lbs)	25 (55)	25 (55)	25 (55)	25 (55)	25 (55)	25 (55)

Electrical Data

Voltage	V	230				120	
Hertz	Hz	50/60				60	
Protection class		1/IP20					

Filter Specification

Specification		H14 HEPA EN1822, 99.995% MPPS

Certifications

Standard		EN 12469				NSF/ANSI 49	
Agency certified		TÜV *	TÜV	TÜV *	TÜV	NSF	
Certification LNE (France only)	Option		LNE			LNE	

Ergonomics and Utilities

Lighting intensity	lux (fc)	1000 (93)	929 (86)	1500 (139)	1418 (132)	850 (79)	1300 (121)
Interior outlets	pcs.	2 rear wall		4 rear wall		2 rear wall	4 rear wall
Service valve ports	pcs.	2 on each side + Smart Port				2 on each side + Smart Port	
Slope of front window	degree °	10				10	

Herasafe 2030i Specifications

Noise level (measured according to EN 12469) 200mm opening	dB (A)	57		57			
Noise level (EN units measured according to EN 12469, NSF units measured according to NSF/ANSI 49) 250mm opening		57		58		62	62
Power consumption (in normal operation, fans on, lights on) 200mm opening	W/h	133	153	217	251		
Power consumption (in normal operation, Fans on, lights on) 250mm opening		155	175	240	300	180	316
Power consumption (in stand-by mode)	W/h	55	55	80	80	55	80
Normal heat output in operation mode (non-vented) 200mm opening	W/h	133	153	217	251		
Normal heat output in operation mode (non-vented) 250mm opening		155	175	240	300	180	316
Stand-by heat output (lights off, non-vented)	W/h	55	55	80	80	55	80

* TÜV GS available for models with 200mm access opening

Herasafe 2030i Ordering Information		EN 12469				NSF/ANSI 49	
Size/Internal width	m (ft)	0.9 (3)	1.2 (4)	1.5 (5)	1.8 (6)	1.2 (4)	1.8 (6)
Exhaust volume of cabinet 200mm opening	m3/h (cf/m)	296 (174)	395 (232)	493 (290)	592 (348)		
Exhaust volume of cabinet 250mm opening	m3/h (cf/m)	370 (218)	494 (291)	617 (363)	741 (436)	582 (342)	872 (513)
Exhaust volume, thimble ducting 200mm opening	m3/h (cf/m)	385 (226)	513 (302)	641 (377)	770 (453)		
Exhaust volume, thimble ducting 250mm opening	m3/h (cf/m)	481 (283)	642 (378)	802 (472)	963 (567)	756 (445)	1134 (667)

Receptacle Options

Country configurations are available to ensure correct line cord and internal receptacles are shipped with the cabinet. Standard version for EN12469 cabinets is Schuko, and for NSF cabinets is type B

Country version Switzerland	Option		51900300				
Country version UK	Option		51900303				
Country version Italy	Option		51900306				
Country version FR/B/CZ/SK/PL	Option		51900921				
Country version Australia	Option		51900449				
Country version Denmark	Option		51900481				
Country version China	Option		51900900				
Country version Israel	Option		51901255				
Country version India	Option		51901261				
Country version Argentina						51900308 (230V)	
Country version Chile						51901259 (230V)	
Country version Brazil						51901260 (230V)	

Stand Options

We recommend ordering a base stand to ensure a robust and stable installation of the BSC. All of our base stands have been tested with our units for stability and functionality. Choose between a fixed height, manually adjustable working height, or electrically adjustable working height. Please consider the total height of the room when choosing the right working height. Footrest and castor options are available for added convenience.

Fixed height stand charcoal grey Height of 680 - 880 mm	Acc.	50155665	50155666	50155667	50155668	50155666	50155668
Adjustable height stand charcoal grey Height of 680 - 880 mm	Acc.	50155688	50155689	50155690	50155691	50155689	50155691
Electric Adjustable Stand grey-white (RAL 9002)	Acc.	50117449	50109314	50117450	50109325	50109314	50109325
Footrest bar	Acc.	50051982	50051983	50051984	50051985	50051983	50051985
Castor-Set for Stand grey-white (4 pcs.) (RAL9002) Provides work height of 850 mm	Acc.		50109977			50109977	

Work Surface Options

You have the option to fully customize your new BSC to accommodate any work task. The standard EN cabinet includes our stainless steel segmented worktray for easy removal, autoclaving, and cleaning under the work surface. The standard NSF cabinet includes our stainless steel single piece indented worktray. To customize your work area, order the part number to remove the standard worktray and configure the cabinet as desired. All internal surfaces and worktrays are 316 SS.

			EN 12469				NSF/ANSI 49	
Without table tops (negative price)		Option	51900651	51900652	51900653	51900654	51900652	51900654
Flat worksurface module (150 mm)	KAM15	Acc.		50073666			50073666	
Flat worksurface module (300 mm)	KAM30	Acc.		50072685			50072685	
Flat worksurface module (600 mm)	KAM60	Acc.		50073667			50073667	
Flat worksurface module (900 mm)	KAM90	Acc.		50076398			50076398	
Lowered worksurface module (600 mm)	KAML60	Acc.		50073668			50073668	
Lowered worksurface module (900 mm)	KAML90	Acc.		50073669			50073669	
Lowered worksurface module (1200 mm)	KAML120	Acc.	No	50073670			50073670	
Lowered worksurface module (1500 mm)	KAML150	Acc.	No		50073671		No	50073671
Lowered worksurface module (1800 mm)	KAML180	Acc.	No			50078750	No	50078750
Vibration dampened surface module with granite plate (300 mm)	KAMW30	Acc.		50073757			50073757	
Vibration dampened surface module with granite plate (600 mm)	KAMW60	Acc.		50076162			50076162	
3 liter mini-sink table top module	KAMS30	Acc.		50078875			50078875	
Replacement armrests KAS 30 (Set of 2 armrests 316 SS)	KAS 30			50073663			50073663	
Padded armrest 316 SS (Set of 2 including gel inserts)		Acc.		50156438			50156438	
Replacement gel pads for padded armrest (2 pcs.)		Acc.		50156437			50156437	

Herasafe 2030i Ordering Information			EN 12469				NSF/ANSI 49	
Size/Internal width	m (ft)		0.9 (3)	1.2 (4)	1.5 (5)	1.8 (6)	1.2 (4)	1.8 (6)

Additional Filter Options

Additional exhaust HEPA filters (AEF) can be fitted to the top of the BSC to provide 99.99999975% cumulative exhaust filtration. Please note that AEF filters are not a requirement for recirculating BSC's, even in the UK, where BS5726 has been superceded by EN12469, since 2000. Additional exhaust carbon filters can be fitted on top of the BSC, but should only be used for traces of solvents being used as an adjunct to microbiological study.

Additional exhaust HEPA Filter, retro-fit	KAEF	Acc.	50078857	50073772		50078856		
Additional exhaust Carbon Filter, retro-fit	KAEFC	Acc.	50078783	50073773		50078784		
Grid filter set, G1 acc. To EN 779 (5 pcs)			50076846		50076921		50076846	50076921

UV Options

The UV control function is designed to preserve bulb life whilst monitoring constantly. The light is programmable via the user interface. This feature measures and tracks UV bulb use ensuring that the bulbs will not require excessive replacement due to premature and unnecessary degradation. Additionally by monitoring UV bulb age, the system auto-adjusts run time to ensure consistent sterilisation.

Cross beam UV-C light option in side walls includes protective cover								
Included in models: 51032328, 51032329, 51032330, 51032331		Standard	Standard (Cross Beam - in side walls)					
Available for models: 51032324, 51032325, 51032326, 51032327		Option	51900642 (Cross Beam - in side walls)					
Included in models: 51032328, 51032329, 51032330, 51032331		Standard					Standard (cross beam - in side walls)	
Available for models: 51032324, 51032325, 51032326, 51032327		Option					51900642 (cross beam - in side walls)	

Media Valves

Our standard BSCs feature a dual-side wall negative pressure design which allows the user to install service valves through the side access ports. We also offer factory-installed piping options on our premium units to connect utilities to the top of the BSC to conserve right to left exterior footprint.

Rear Wall Media Connections

3 utility connectors prep (rear wall) Select rear wall service taps additionally	Option							
Available for models: 51032324, 51032325, 51032326, 51032327	Option		51901251 (G3/8")					
Included in models: 51032328, 51032329, 51032330, 51032331	Standard						Included	
Available for models: 51032324, 51032325, 51032326, 51032327	Option						51901252 (NPT3/8")	

Rear Wall Service Taps/Media Valves (supplies are connected above BSC)

Combustible gas tap for rear wall	Acc.		50068235			50068235	
Non-combustible gas tap for rear wall	Acc.		50068234			50068234	
Water tap for rear wall	Acc.		50068233			50068233	
Vacuum tap for rear wall	Acc.		50068232			50068232	

Side Wall Service Taps/Media Valves/Lead Throughs

Combustible gas tap for side wall	Acc.		50046015			50046015	
Non-combustible gas tap for side wall	Acc.		50045959			50045959	
Water tap for side wall	Acc.		50044679			50044679	
Vacuum tap for side wall	Acc.		50044678			50044678	
Hose connection for side wall, hose dia. 10-13mm	Acc.		50059017			50059017	
Hose connection for side wall, hose dia. 3mm	Acc.		50076408			50076408	
Hose connection for side wall, hose dia. 6/3mm	Acc.		50066668			50066668	

Solenoid Valve (should be quoted with combustiblegas G3/8 connection

Solenoid valve for combustible gas tap	Acc.		50074905			50074905	

Exhaust Duct Connection Kits

HEPA filters do a great job of trapping particles and biohazards, but they do not trap gases and toxic chemicals that may be used as an adjunct to microbiological studies. In these applications, it is important to select an exhaust duct transition to route exhaust air out of the laboratory to the external environment. We offer two different connections that can be installed in three different ways, depending upon facility requirements.

Thimble Duct Exhaust Transition (Connection diameter 200mm/8")	KTD	Acc.	50078796	50073770		50078795	50073770	50078795
Direct Duct Exhaust Transition with anti blowback valve (Connection diameter 200mm/8")	KDD	Acc.	50078791	50073771		50078790		
Additional sensor and alarm to monitor flow in external duct. (Req. with thimble for NSF units)			N/A	N/A		N/A	191085	

Herasafe 2030i Ordering Information			EN 12469				NSF/ANSI 49	
Size/Internal width		m (ft)	0.9 (3)	1.2 (4)	1.5 (5)	1.8 (6)	1.2 (4)	1.8 (6)
User Convenience Options								
We offer unique customer installed accessories to help organize your workspace and free up valuable space inside and around the BSC.								
Hanging bar with set of 6 hooks	IVB 6 6	Acc.	50073943	No			No	
Hanging bar with set of 12 hooks	IVB 10 12	Acc.	No	50073944			50073944	
Utility basket to be used with hanging bar	KB	Acc.	50078900				50078900	
2 utility baskets incl. additional hanging bar	KBB	Acc.	50078901				50078901	

Herasafe 2030i Ordering Information		
Additonal topboxes for fumigation	**Part number**	**m (ft)**
KSF frame fixed to top of each recirc cabinet to accept the relevant topbox for fumigation. Brackets are fitted to side of frame to allow the use of speed clamps. Height = 50mm	KSF9	Acc.
	KSF12/15	Acc.
	KSF18	Acc.
KSNB topbox for use with Hydrogen Peroxide fumigation.Speed clamps allow for fixture to a KSF frame. The 35mm hole will accept a Steris OR Bioquell outlet camlock fitting. Height = 110mm with gasket.	KSNB9	Acc.
	KSNB-12/15	Acc.
	KSNB-18	Acc.
KS-EVBOX for use with formonia system and formaldehyde. Speed clamps allow it to be clamped to KSF frame, while the 2 threaded holes accept the ABEKP3 charcol filters. This box can only be used if the formaldehyde is being neutralized with ammonia after fumigation. Height = 110mm with gasket.	KS-EVBOX-9	Acc.
	KS-EVBOX-12/15	Acc.
	KS-EVBOX-18	Acc.
KSDB for use with formaldehyde fumigation only.Speed clamps allow for fixture to a KSP frame. This top box is supplied with a 3m flexi trunking which allows you to vent formaldehyde out into another exhausted application to purge fumes from cabinet. Side exit only. Height = 190mm with gasket.	KS9DB160	Acc.
	KS12DB160	Acc.
	KS18DB160	Acc.
KSP(FD) For use with formaldehyde fumigation. Fixes to a KSF frame. Supplied with a 3m flexi trunking which allows venting of fumes to an exhausted application. Top exit only. Height = 50mm (Frame).	KSP(FD)-9	Acc.
	KSP(FD)-12/15	Acc.
	KSP(FD)-18	Acc.
ABEKP3 charcoal filters screw into KS-EVBOX. Pack comprises of 3 filters.	ABEKP3	Acc.

Not all BSCs are manufactured to the same safety standards. Our design philosophy is grounded in compliance with the recognized worldwide safety standards, because your work cannot compromise on safety. Our biological safety cabinets are subjected to all the following certifications:

EN 12469
Our Class II biological safety cabinets are independently tested and certified to EN 12469 standard for Class II biological safety cabinets by TÜV Nord, the leading testing agency in Europe.

LNE
Our Class II biological safety cabinets are independently tested and certified to EN 12469 by LNE, the leading testing agency in France.

NSF
Our Class II biological safety cabinets are independently tested and certified to NSF/ANSI 49, by NSF International, a leading testing agency in North America and recognized globally.

Find out more at **thermofisher.com/bsc**

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