

Heraeus

HERAEUS® HERASAFE® KS SAFETY CABINET CLASS II

Designed to match the Task to the User.



DESIGNED FOR THE WAY YOU WORK

Practical experience brings innovation for user

Heraeus® HERAsafe® KS is a new generation of Microbiological Safety Cabinets class II for maximum product and personnel protection. The tried and tested safety concept of HERAsafe® lives on in this new generation.

We know what you need

User needs and requirements defined the new concept. The result is a unique solution designed with our customers' wishes in mind. HERAsafe® KS combines safety with user-friendliness.

From development through production to delivery, we are your partner. Also included are expert advice and unmatched customer service.

NEW

Ergonomic design

The frameless window does not obstruct the view inside the work area. The large work aperture with a height of more than 250 mm/10 in ensures ease of handling.

The slanted front window design supports a relaxed posture.

The new Heraeus®
HERAsafe® KS has been
designed for ease of
handling and operation.

With the HERAsafe® KS
work becomes a pleasure.

NEW

Always within view

The eye-level display on the rear wall is unique. All parameters and operating functions can be conveniently monitored from a seated work position. No longer do you need to strain your back when you want to find out the current operating status of your cabinet.



NEW

Optimum protection against contamination

For the first time, all parameters are set by remote control. No longer do you need to take your hands out of the clean air atmosphere when changing settings of the cabinet. Because glove changes are history now, you will better protect your samples and also save time. For contamination prevention within the safe area the remote control can be used with a bag.

Heraeus® HERAsafe® KS
safety cabinets are for use
in laboratories with safety
level 1, 2 or 3, i.e. wherever
protection and safety are of
paramount importance.

For example in:

- Biotechnology
- Microbiology
- Research
- Pharmacies
- Clinics

Safety as a matter of routine

Ideal for microbiology,
biotechnology and genetic
engineering work.

INNOVATIVE FEATURES SIMPLIFY USE, MAXIMIZE SAFETY

NEW



Aerosol-tight front window for ultimate contamination protection.

The patented aerosol-tight sliding window offers optimum protection – even in stand-by mode. It prevents contaminants from entering or leaving the work area. Your product is kept safe.

- easy to operate by means of an electrical drive
- saves money and energy by going into energy-saving mode when the sliding window is closed
- non-clouding and scratch-proof
- made from laminated safety glass
- work aperture: 254 mm/10 in

Ease of operation

The clearly laid out eye-level display, the brightly illuminated non-reflecting work area, all functions accessible from a seated position – this concept convinces down to the smallest detail. The display allows permanent monitoring of all safety-relevant parameters.

Information displayed:

- daytime
- downflow rate
- total operating hours
- timer for delayed start
- stop-watch function
- operating time of optional UV-C lights
- malfunctions
- performance factor: "PER"

NEW

Kendro Performance Factor

"PER" provides valuable information on the cabinets' current safety performance status.

The value of "PER" derives from:

- air flow
- operating time online
- safety status at the last KI-check
- filter status



NEW

Slanted front window

The slanted window design with its frameless edge gives an unobstructed view of the work area, allows a good working posture and so prevents operator fatigue.

All-round vision

The side windows increase the available light inside the work area.



More flexibility

Optional ports for gas, water and vacuum in the side panel or rear wall.

Support frames for various work positions

Available in various heights for standing and seated work positions. They are equipped with leveling feet to securely position the cabinet.

Automatic product protection

The newly designed, permanently monitored ventilation system provides automatic regulation of air intake, exhaust and laminar flow.



NEW

Convenient and easy

- all parameters set by remote control
- retrieval of actual values
- equipped with a bag for use inside the work area



PERFECT FOR SAFETY IN PRACTICE

Compliance to national and international safety standards, optimum personnel, product and environmental protection. Designed for ease of cleaning and maintenance – the sum of all the parts adds to the value of the whole.

Increased safety:

● **HEPA filter system**

It guarantees maximum adsorption of 99.999% at a particle size of 0.3 µm. The supply filter covers the entire work area and ensures purified air.

● **Negative-pressure safety feature**

In case of failure the negative pressure-encapsulated system ensures that all particles are trapped by the filters.

● **Air curtain**

Laminar downflow and inflow provide both personal and product protection.

Safety-tested according to

- NSF 49
- EN 12469
- BS 5720
- NFX-44
- IEC 1010
- UL 3101-1

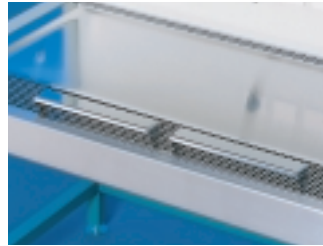
Convenient and safe

The hinged window can be fully opened up for cleaning and disinfection. When closed, it keeps the entire inner area aerosol-tight. Rounded edges inside the cabinet make cleaning very easy. The work surface consists of scratchproof and acid-resistant stainless steel.



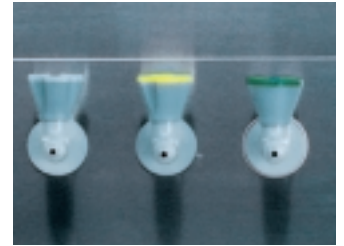


CUSTOMIZE YOUR CABINET



Arm rests – secure and comfortable

Ergonomic patented arm rests for comfort inside the work area prevent the air suction vents from being inadvertently covered. They help to prevent carpal tunnel syndrome.



Ports for vacuum, gas and water

Flexible ports in the side panel or rear wall offer greater freedom for your work.



Work surfaces – designed for practical requirements

The work surface is available as a single lowered module or divided modules. The modules are easy to autoclave or sterilise. The recessed work surfaces make it easy to trap spilt liquid.



UV-C irradiators

Powerful UV-C irradiators are available for efficient disinfection. Cross-beam radiation completely illuminates the entire work area without causing shadows, ensuring better disinfection.



Thimble ducts

Ideal for connecting a safety cabinet to on-site ventilation systems.

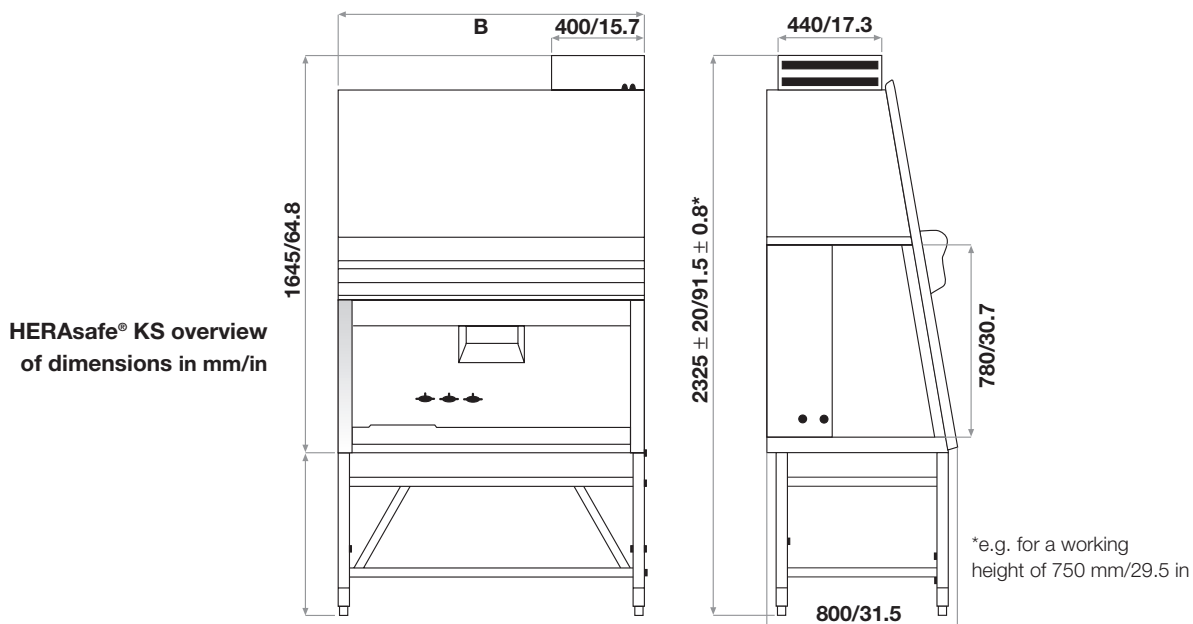
TECHNICAL DATA

HERASAFE® KS

Type		Unit	KS 9	KS 12	KS 15	KS 18
External dimensions KS ¹⁾	(w/h/d)	mm	1000/1645/800	1300/1645/800	1600/1645/800	1900/1645/800
	(w/h/d))	in	39.4/64.8/31.5	51.2/64.8/31.5	63.0/64.8/31.5	74.8/64.8/31.5
Internal dimensions	(w/h/d)	mm	920/780/627	1220/780/627	1520/780/627	1820/780/627
	(w/h/d)	in	36.2/30.7/24.7	48.0/30.7/24.7	59.8/30.7/24.7	71.7/30.7/24.7
Work aperture	(h)	mm/in	254/10.0	254/10.0	254/10.0	254/10.0
Lifting height of front window		mm/in	~470/~18.5	~470/~18.5	~470/~18.5	~470/~18.5
Adjustable support frame please see price list for accessories						
Working height			e.g. 750 – 950 mm/29.5 – 37.4 in			
Weight of equipment		kg/lb	~190/~418	~240/~528	~290/~638	~340/~748
Maximum load capacity of work surfaces		kg/lb	50/110	50/110	50/110	50/110
Ventilation system						
Inflow velocity		ft./min	105 ± 5	105 ± 5	105 ± 5	105 ± 5
Heat emission						
at 25 °C room temperature		kW	~0.2	~0.2	~0.4	~0.4
Filter technology						
Air circulation filter/ Exhaust air filter/Additional AEF			type: HEPA-ULPA Filter; filtering efficiency: 99.999 % at 0.3 µm particle size			
Noise						
Sound pressure level		dB (A)	< 57	< 57	≤ 58	≤ 58
Electrical data						
Voltage ²⁾		V	1/N/PE 115 V AC	1/N/PE 115 V AC	1/N/PE 115 V AC	1/N/PE 115 V AC
Frequency		Hz	60	60	60	60
Power consumption		kW	0.4	0.4	0.8	0.8
Current consumption		A	3.4	3.4	6.8	6.8
Protection category			IP 20	IP 20	IP 20	IP 20
Supply requirement			115 V/60 Hz standard supply. Total requirement including interior sockets 15 Amps. The national regulations for electrical engineering as well as the relevant technical connection conditions must be taken into account.			
Protection of socket-outlets in work chamber			The sockets have a load capacity of up to 5 A and are protected with T 5 A fuses. When all sockets are in use simultaneously, they must not exceed the maximum total load capacity of 5 A.			

¹⁾ Equipment and support frame are delivered individually. Installation and assembly on-site.

²⁾ Further voltages on request.



MORE THAN YOU EXPECT

One of the best addresses

We think of ourselves as your partner, offering you competent, safe, reliable solutions. Individual support and specialist advice is available from our highly qualified sales and service staff, who will quickly and competently help you with any questions you may have.

Kendro perfection begins with innovative equipment that incorporates a broad range of features – all designed to meet the many and diverse requirements of your daily work.

Kendro Laboratory Products helps you reliably. Safely.

Examined with a sharp eye

Every piece of equipment undergoes strict quality control and extensive testing before it leaves our manufacturing sites. Instruments only leave the factory when the experts in the test laboratory have given their thumbs up!

Tried and tested in many areas

Whether in the field of genetics, biotechnology, microbiology or research, our safety cabinets perform valuable tasks, day in and day out.

Setting the standard for quality

The most modern production methods and the highest quality components, in combination with careful finishing, guarantee that our safety cabinets are quality products, renowned for their long term reliability and safety.



Individual testing of the filter's efficiency in our quality laboratory



Sealing of components



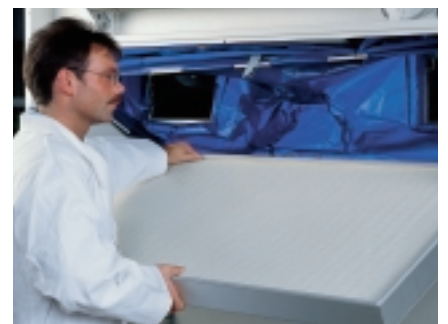
Visual testing and production of a test protocol



Assembly of mechanical components



Testing of electrical safety



Final assembly of pre-fabricated assembly groups

MORE THAN YOU EXPECT – OUR SERVICE



Our service:
a reassuring feeling

Individual

Many people talk about service – Kendro Laboratory Products brings this to life. You will notice this in the quality of our advice, which is individually geared towards your needs. Our solutions are exactly tailored to your specific needs.

We will be there for you before, during and after your purchase.

You will find us as a partner who quickly and competently assists in all matters, to include:

- calibration
- reference measurement
- application advice
- repairs
- exchange of spare parts

Other services are available on request.

For more detailed information please contact your local partner. The Kendro Service Team: a good feeling to know that this partner is at your side.

Your partner

For Ordering or Technical Information

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Quality Products – Lifetime Care

