

Thermo Scientific Heraguard HPH clean benches represent decades of experience in the development and manufacturing of high quality laboratory products.

The result: modern, economical, high performance products that are safe, functional, user-friendly and easy to maintain.

## Thermo Scientific HERAGUARD HPH clean benches



Our Heraguard® HPH clean benches are ideal for use with harmless substances, and in lab applications where product sterility is required.

- Product protection
- Clean air conditions that can be validated
- Ease of use



### Variety of sizes

Thermo Scientific Heraguard HPH clean benches are available with interior widths of 900, 1200, 1500 and 1800 mm, and are offered in two different working heights:

- Standard work space height 650 mm
- Extra work space height 950 mm

### All-round vision

The side windows increase the available light inside the work area and support a comfortable work environment.



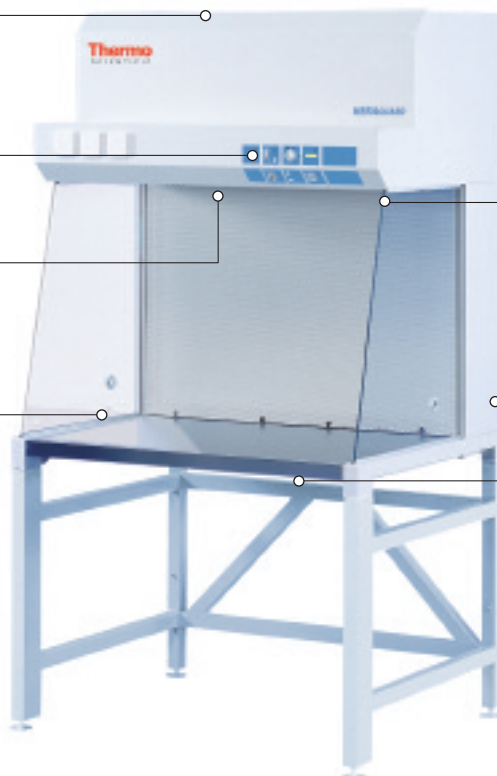
## Product Specifications

**Easy exchange** – The prefilter on the suction side can be changed by hand, without the need for tools. Prefilter exchange is made economical and easy.

**Easy to use controls** – The display is intuitive and easy to use.

**Transparent wind screen (optional)** – protects the head of the user against the dry purified air flow. The wind screen is folded under the light housing and can be flipped down for use.

**Modular side windows** – The side windows are made of single pane safety glass with an access port for tubing or a media tap. Optionally, a lacquered sheet steel plate with three holes can be used.



**UV disinfection (optional)** – A UV disinfection light can be fitted into the top of the work space to disinfect the worktop.

**Easy HEPA filter exchange** – The HEPA filter is easily removed from the front – a simple process that does not involve any disassembly or removal of equipment from the wall. This saves time during service visits.

**Choice of work tops** – Standard melamine work tops or optional stainless steel tops are available for different applications and individual work space designs.

## Thermo Scientific Heraguard HPH Specifications

Technical Specifications							
Type	Unit	HPH 9	HPH 12	HPH 15	HPH 18	HPH 12/95	HPH 18/95
<b>Dimensions</b> without stand							
External (w/h/d) <sup>1)</sup>	mm	1,000/1,170/800	1,300/1,170/800	1,600/1,170/800	1,900/1,170/800	1,300/1,470/800 (1,000)	1,900/1,470/800 (1,000)
Work area (w/h/d) <sup>1)</sup>	mm	920/650/580	1,220/650/580	1,520/650/580	1,820/650/580	1,220/950/580 (780)	1,820/950/580 (780)
Adjustable stand	mm	An adjustable height stand is available that provides working height between 760 and 1060 mm, adjustable in 50 mm increments					
<b>Weight</b> Equipment	kg	~ 90	~ 120	~ 140	~ 150	~ 180	~ 220
Maximum load capacity	kg	30	30	30	30	30	30
<b>Filter technology</b>							
Supply/exhaust air filter	type	HEPA H 14 EN 1822, 99.999% at 0.3 µm particle size					
Prefilter		Type (EN 779), G 3 dust filter, filtering efficiency: coarse – medium					
Air velocity	m/s	Level 1: 0.18 – 0.32 / level 2: 0.32 – 0.48					
Minimum distance to room ceiling		150 mm					
<b>Performance</b>							
Lighting intensity	lx	max. 1,000 (measured on the work surface)					
Noise pressure level	dB (A)	< 55 at level 1					
<b>Electrical data</b> Voltage <sup>2),3)</sup> V		1/N/PE 230 V AC	1/N/PE 230 V AC	1/N/PE 230 V AC	1/N/PE 230 V AC	1/N/PE 230 V AC	1/N/PE 230 V AC
Frequency <sup>3)</sup>	Hz	50	50	50	50	50	50
Power consumption	kW	0.75	0.75	1.3	1.3	0.75	1.3
Current consumption	A	3.3	3.3	5.7	5.7	3.3	5.7
Protection class		I/IP 20	I/IP 20	I/IP 20	I/IP 20	I/IP 20	I/IP 20
<b>Supply management</b>							
Supply requirement		230 V/50 Hz standard supply. Total requirement including interior sockets 13–16 Amps. The national regulations for electrical engineering as well as the relevant technical connection conditions must be taken into account.					
Receptables		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.					
Radio interference		Circuit is interference free in accordance with EN 55 014					

<sup>1)</sup> With 780 mm deep stainless steel work top as an option. Order numbers and other options can be found in the current price list. <sup>2)</sup> European values. <sup>3)</sup> Further voltages and frequencies on request.

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