

Thermo Scientific Herasafe KS and Safe 2020 BSCs



Size / Internal Width	0.9 m	1.2 m	1.5 m	1.8 m
Herasafe KS Ordering Information	51022481	51022482	51022483	51022484
Safe 2020 Ordering Information	51026637	51026638	51026639	51026640

Dimensions

Exterior dimensions ¹ W x H x D	mm	1000 x 1586 x 799	1300 x 1586 x 799	1600 x 1586 x 799	1900 x 1586 x 799
Interior dimensions W x H x D	mm	900 x 780 x 630	1200 x 780 x 630	1500 x 780 x 630	1800 x 780 x 630
Shipping dimensions ² W x H x D	mm	1110 x 1760 x 925	1410 x 1760 x 925	1710 x 1760 x 925	2010 x 1760 x 925
Herasafe KS – working height of front window	mm	250			
Safe 2020 – working height of front window	mm	200			
Maximum opening height of front window	mm	773			

Weight

Net weight	kg	170	200	230	280
Shipping weight ²	kg	190	225	260	315
Max. load capacity of one-piece work surface	kg	50	50	50	50
Max. load capacity of single segmented work surface per 30 cm segments ³	kg	25	25	25	25

Electrical Data

Voltage	V	230			
Frequency	Hz	50/60			
Protection class		I / IP 20			

Filter Specification

H14 HEPA EN 1822, 99.995% MPPS

Certifications to EN 12469

Herasafe KS	TÜV	TÜV, LNE	TÜV	TÜV
Safe 2020		TÜV		TÜV

Ergonomics and Utilities

Lighting power	lx	>800	>850	>1250	>1300
Receptacles ⁴		2 sockets on each side wall			
Service valves		Up to 4 may be installed through access ports (2 on each side) Up to 6 more may be factory installed on rear wall (optional)			

Herasafe KS Specifications

Noise level ⁵	dB (A)	<58	<58	<60	<60
Energy consumption, operating set point ⁶	W	170	210	275	350
Energy consumption, reduced flow mode	W	40	40	70	70
Normal heat output in operation mode (non-vented)	BTU/hr	580	717	938	1194
Reduced flow heat output (lights off, non-vented)	BTU/hr	136	136	239	239
Exhaust / inflow air volume	m ³ /h	366	490	613	737
Ducting volume requirement, thimble connection	m ³ /h	476	637	797	958

Safe 2020 Specifications

Noise level ⁵	dB (A)	<56	<56	<58	<58
Energy consumption, operating set point ⁶	W	160	200	265	340
Energy consumption, reduced flow mode	W	40	40	70	70
Normal heat output in operation mode (non-vented)	BTU/hr	546	682	904	1161
Reduced flow heat output (lights off, non-vented)	BTU/hr	136	136	239	239
Exhaust / inflow air volume	m ³ /h	288	386	483	580
Ducting volume requirement, thimble connection	m ³ /h	375	501	628	754

1 Exterior height to top of exhaust HEPA filter for clearance purposes is 1500 mm

2 Export packaging dimensions and weight upon request

3 The total load on overall working area must not exceed 50 kg

4 The receptacles have a load capacity of up to 5 A and are protected with T 5 A fuses. When all receptacles are in use simultaneously they must not exceed the maximum total load capacity of 5 A

5 Tested according to EN 12469

6 Clean filters, fans operating at nominal set point, interior lighting activated