DASITGROUP FAST ER

Biological safety cabinets

EN12469 | NSF/ANSI 49



MADE IN ITALY

CONTENT

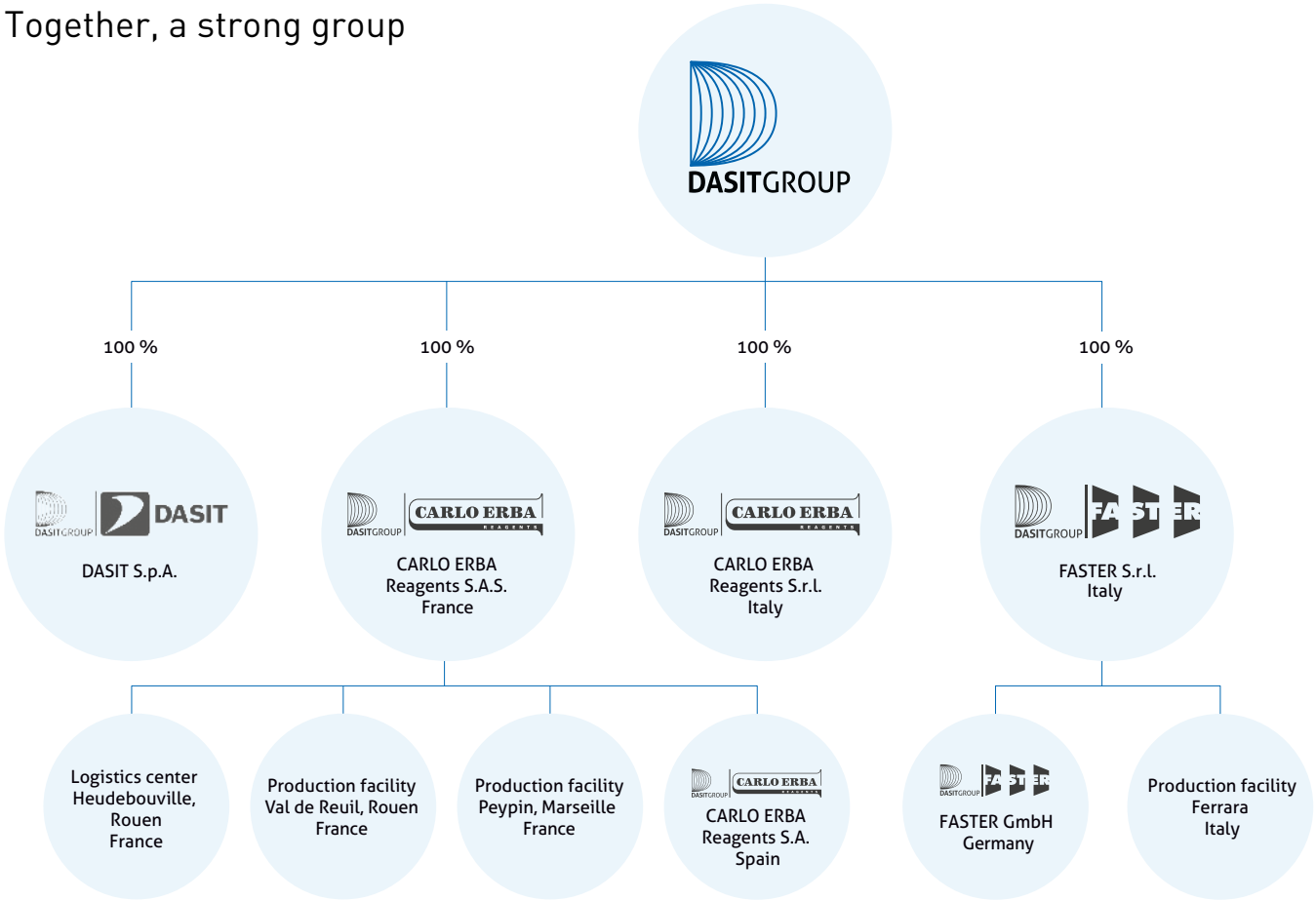
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DASITGROUP

DASIT GROUP

The DASIT Group, based in Cornaredo (Milan), brings together numerous companies under one organization. With its own production and distribution facilities, as well as partners worldwide, the DASIT Group maintains a global presence. The product portfolio ranges from in vitro diagnostics to chemicals and laboratory equipment.

Together, a strong group



FASTER

Since 1984, FASTER has been a trusted manufacturer of a wide range of laboratory and industrial equipment, based in Italy. Thanks to decades of experience and extensive know-how, we transform individual customer requirements into reality. FASTER develops tailored solutions for applications in microbiology, chemistry, pharmacy, biotechnology, diagnostics, veterinary medicine, and industry – combining expertise, protection, safety, and passion.

You can count on it:

OVER
50.000
installations around the world since 1984

OVER
80
countries around the world are served by local sales partners

OVER
35
different models available

September 1984
Foundation of the company FASTER S.r.l. in Ferrara, Italy. Production of the first biological safety cabinet

January 1988
The first biological safety cabinet was certified by TÜV and LNE

July 1992
Production of the first cytotoxic safety cabinet and the first circulating air fume cupboard

January 2009
Production of the first isolator for the pharmaceutical industry

July 2017
Re-design of the laboratory fume cupboards and first production of laboratory furniture

October 2018
Over 40,000 installations worldwide

January 2019
FASTER delivered to 75 different countries on all 5 continents worldwide

September 2019
Opening of the new FASTER production hall with over 10,000 m²

December 2022
First cytotoxic isolator certified by TÜV

April 2023
Patent application of the ChemFAST Premium fume cupboards

SafeFAST Premium
The Ultimate

- Low power consumption <84.4W
- Low CO_2 emissions
- Low noise level <41 dB(A)

The quietest cabinet on the market!

Operator protection

Product protection



Image may include paid additional options

Technical specifications

SafeFAST Premium

Biological safety cabinet, Class II according to EN 12469, ISO 14644-1

Description		Unit	0.9 m	1.2 m	1.5 m	1.8 m
General dimensions W×H×D	(1)	mm	1045×1500×855	1350×1500×855	1655×1500×855	1960×1500×855
Usable dimensions W×H×D		mm	887×740×580	1192×740×580	1497×740×580	1802×740×580
Unit height with underframe (standard)		mm	2345			
Working height (seated workstation)		mm	880			
Work opening		mm	160 (adjustable)			
Max. elect. front opening		mm	440			
Complete front window opening		mm	740			
Weight		kg	170	196	225	260
Exhaust air		m³/h	290	390	485	585
Inflow		m/s	0.45 (adjustable)			
Downflow		m/s	0.25 (adjustable)			
Noise level	(2)	dB(A)	39.5	41	47	49
Light intensity		lux	>1200	>1200	>1300	>1300
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)			
Total current	(2)(3)	A	0.3	0.6	0.9	1.2
Power consumption		W	79.5	84.4	128	171
Protection class / IP			1 / 20			
Internal protection		A	4			
Heat emission		W	51	53	78	98
Operating mode for night setback			●	●	●	●
Remote Control Function			○	○	○	○
Quick Start Function / Energy Save Mode			●	●	●	●
Sockets IP66			2			
Other filters			○	○	○	○
Timer for programmable start / stop			●	●	●	●

(1) The total depth of the workbench can be reduced to 780 mm by removing the back panel
(2) Measured in operating condition according to EN12469:2000
(3) Measured with clean filters, lighting on, internal sockets off

● Standard ○ Optional

SafeFAST Elite
The High-Performer

- Stainless steel usable space
- Folding windscreen
- GMP Design

Operator protection

Product protection



Image may include paid additional options

Technical specifications

SafeFAST Elite

Biological safety cabinet, Class II according to EN 12469:2000

Description		Unit	0.9 m	1.2 m	1.5 m	1.8 m
General dimensions W×H×D	(1)	mm	1045×1500×855	1350×1500×855	1655×1500×855	1960×1500×855
Usable dimensions W×H×D		mm	887×740×580	1192×740×580	1497×740×580	1802×740×580
Unit height with underframe (standard)		mm	2345			
Working height (seated workstation)		mm	880			
Work opening		mm	200			
Max. elect. front opening		mm	440			
Complete front window opening		mm	740			
Weight		kg	170	195	225	260
Exhaust air		m³/h	290	390	485	585
Inflow	(2)	m/s	0.45			
Downflow	(2)	m/s	0.40			
Noise level	(3)	dB(A)	<53	<54	<55	<56
Light intensity		lux	>1100	>1200	>1300	>1300
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)			
Total current	(3)(4)	A	1.9	2.1	3.4	3.6
Power consumption		W	211	320	517	621
Protection class / IP			1 / 20			
Internal protection		A	4			
Heat emission		W	175	240	295	360
Operating mode for night setback			●	●	●	●
Remote Control Function			○	○	○	○
Quick Start Function / Energy Save Mode			●	●	●	●
Sockets IP66			2			
Other HEPA filters	(5)		○	○	○	○
Timer for programmable start / stop			●	●	●	●

(1) The total depth of the workbench can be reduced to 780 mm when the rear wall is removed
(2) Values are individually adjustable with a double fan
(3) Measured in operating condition according to EN12469:2000
(4) Measured with clean filters, lighting on, internal sockets off
(5) Optionally possible with double fan

● Standard ○ Optional

SafeFAST Classic
The Allrounder

- Cost-effective
- Microprocessor control
- AC blower technology

Operator protection

Product protection



Image may include paid additional options

Technical specifications

SafeFAST Classic

Biological safety cabinet, Class II according to EN 12469, ISO 14644-1

Description		Unit	0.9 m	1.2 m	1.5 m	1.8 m
General dimensions W×H×D	(1)	mm	1045×1500×810	1350×1500×810	1655×1500×810	1960×1500×810
Usable dimensions W×H×D		mm	887×740×580	1192×740×580	1497×740×580	1802×740×580
Unit height with underframe (standard)		mm	2350			
Working height (seated workstation)		mm	880			
Work opening		mm	200			
Max. elect. front opening		mm	440			
Complete front window opening		mm	740 (optional)			
Weight		kg	170	195	225	260
Exhaust air		m³/h	290	390	485	585
Inflow	(2)	m/s	0.45 (adjustable)			
Downflow	(2)	m/s	0.40 (adjustable)			
Noise level	(3)	dB(A)	<53	<54	<55	<56
Light intensity		lux	>1100	>1200	>1300	>1300
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)			
Total current	(3)(4)	A	1.9	2.1	3.4	3.6
Power consumption		W	256	364	539	644
Protection class / IP			1 / 20			
Internal protection		A	4			
Heat emission		W	175	240	295	360
Operating mode for night setback			●	●	●	●
Remote Control Function	(5)		○	○	○	○
Quick Start Function / Energy Save Mode	(5)		○	○	○	○
Sockets IP66			2			
Other filters	(5)		○	○	○	○
Timer for programmable start / stop	(5)		○	○	○	○

(1) The total depth of the workbench can be reduced to 780 mm when the rear wall is removed
(2) Values are individually adjustable with a double fan
(3) Measured in operating condition according to EN12469:2000
(4) Measured with clean filters, lighting on, internal sockets off
(5) Optionally possible with double fan

● Standard ○ Optional

SafeFAST Compact
The Little Wonder

- Compact design
- Only 2,100 mm high
- DC blower

Operator protection

Product protection



Image may include paid additional options

Technical specifications

SafeFAST Compact

Biological safety cabinet, Class II according to EN 12469, ISO 14644-1

Description		Unit	0.9 m	1.2 m	1.5 m	1.8 m
General dimensions W×H×D	(1)	mm	985×1300×810	1290×1300×810	1595×1300×810	1900×1300×810
Usable dimensions W×H×D		mm	887×670×580	1192×670×580	1497×670×580	1802×670×580
Unit height with underframe (standard)		mm	2150			
Working height (seated workstation)		mm	880			
Work opening		mm	160 (adjustable)			
Max. elect. front opening		mm	440			
Complete front window opening		mm	670 (optional)			
Weight		kg	160	185	210	250
Exhaust air		m³/h	290	390	485	585
Inflow	(2)	m/s	0.45 (adjustable)			
Downflow	(2)	m/s	0.25 (adjustable)			
Noise level	(3)	dB(A)	<44	<45	<46	<47
Light intensity		lux	>1100	>1200	>1300	>1300
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)			
Total current	(3)(4)	A	1.9	2.1	3.4	3.6
Power consumption		W	95	104	155	210
Protection class / IP			1 / 20			
Internal protection		A	4			
Heat emission		W	71	73	98	118
Operating mode for night setback			●	●	●	●
Remote Control Function	(5)		○	○	○	○
Quick Start Function / Energy Save Mode	(5)		●	●	●	●
Sockets IP66			2			
Other filters	(5)		○	○	○	○
Timer for programmable start / stop	(5)		●	●	●	●

(1) The total depth of the workbench can be reduced to 780 mm when the rear wall is removed
(2) Values are individually adjustable with a double fan
(3) Measured in operating condition according to EN12469:2000
(4) Measured with clean filters, lighting on, internal sockets off
(5) Optionally possible with double fan

● Standard ○ Optional

SafeFAST Top
The Specialist

- Manual Folding Washer
- Usable space made of one piece of stainless steel
- With internal rounded corners

Operator protection

Product protection



Image may include paid additional options

Technical specifications

SafeFAST Top

Biological safety cabinet, Class II according to EN 12469:2000

Description		Unit	0.9 m	1.2 m	1.5 m	1.8 m
General dimensions W×H×D	(1)	mm	1015×1470×785	1320×1470×785	1625×1470×785	1930×1470×785
Usable dimensions W×H×D		mm	885×660×580	1190×660×580	1495×660×580	1800×660×580
Unit height with underframe (standard)		mm	2270			
Working height (seated workstation)		mm	905			
Work opening		mm	200			
Max. elect. front opening		mm	430			
Complete front window opening		mm	430			
Weight		kg	185	215	260	300
Exhaust air		m³/h	290	390	485	585
Inflow	(2)	m/s	0.45			
Downflow	(2)	m/s	0.40			
Noise level	(3)	dB(A)	<57	<58	<59	<60
Light intensity		lux	>1000	>1100	>1200	>1200
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)			
Total current S Series	(3)(4)	A	1.9	2.1	3.4	3.6
Total current D Series	(3)(4)	A	2.2	2.4	3.9	4.2
Power consumption		W	281	390	587	691
Protection class / IP			1 / 20			
Internal protection		A	4			
Heat emission		W	175	240	295	360
Operating mode for night setback			●	●	●	●
Quick Start Function / Energy Save Mode			○	○	○	○
Sockets IP66			2	2	2	2
Other HEPA filters	(5)		●	●	●	●
Timer for programmable start / stop			●	●	●	●

(1) The total depth of the workbench can be reduced to 780 mm when the rear wall is removed
(2) Values are individually adjustable with a double fan
(3) Measured in operating condition according to EN12469:2000
(4) Measured with clean filters, lighting on, internal sockets off
(5) Optionally possible with double fan

● Standard ● Optional ○ Not available

SafeFAST Light
The Great Little One

- Space-saving
- Easy to clean
- Ideal for medical and veterinary practices

Operator protection

Product protection

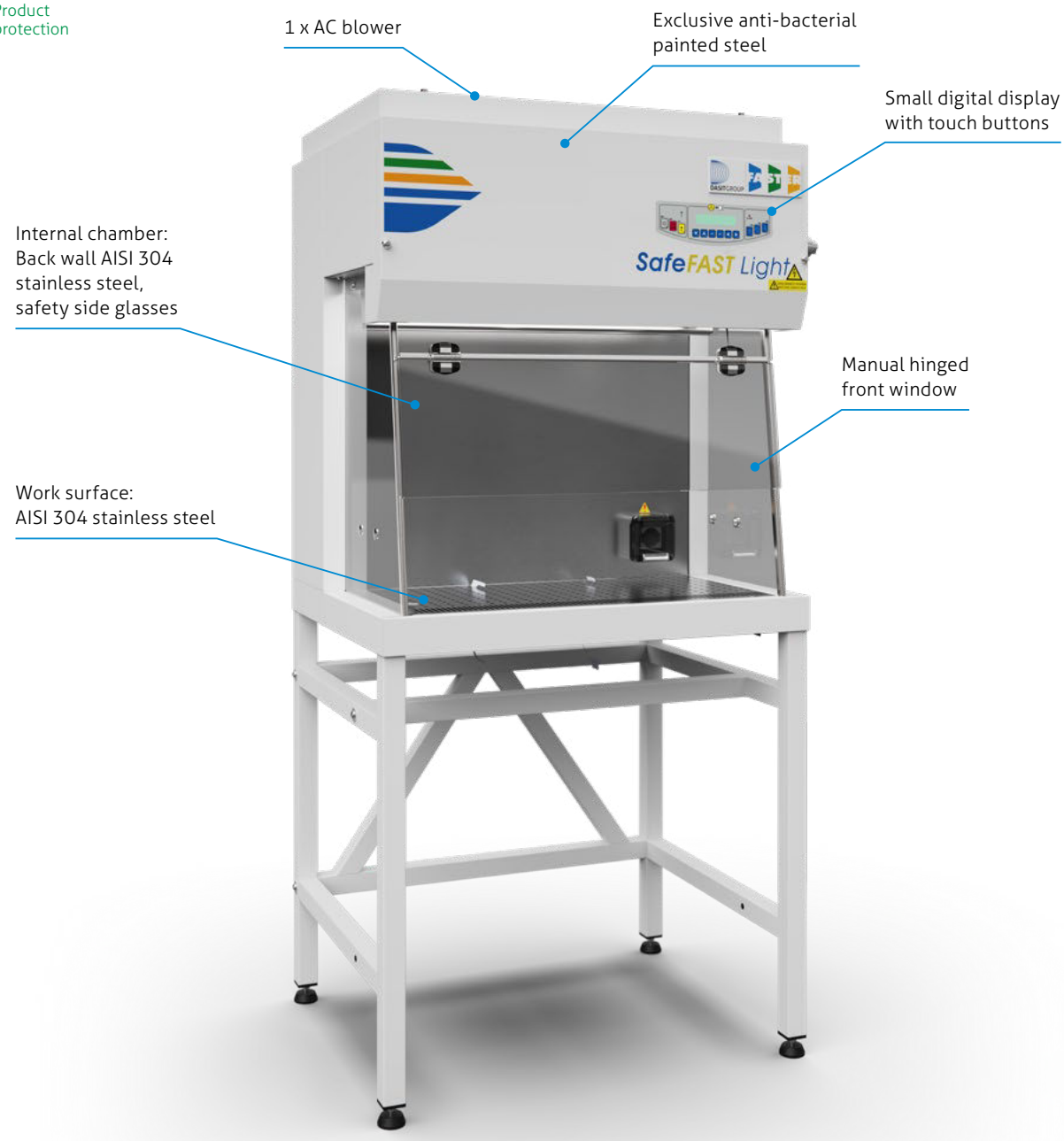


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Technical specifications

SafeFAST Light

Biological safety cabinet, Class II according to EN 12469, ISO 14644-1

Description		Unit	0.7 m
General dimensions W×H×D	(1)	mm	830×980×650
Usable dimensions W×H×D		mm	732×600×380
Unit height with underframe (standard)		mm	1780
Working height (seated workstation)		mm	865
Work opening		mm	200
Max. elect. front opening		mm	○
Complete front window opening		mm	440
Weight		kg	90
Exhaust air		m³/h	296
Inflow		m/s	0.45
Downflow		m/s	0.35
Noise level	(2)	dB(A)	<51
Light intensity		lux	>800
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)
Total current	(2)(3)	A	0.8
Power consumption		W	120
Protection class / IP			1 / 20
Internal protection		A	4
Heat emission		W	75
Operating mode for night setback			●
Sockets IP66			1

(1) The total depth of the workbench can be reduced to 780 mm by removing the back panel
(2) Measured in operating condition according to EN12469:2000
(3) Measured with clean filters, lighting on, internal sockets off

● Standard ○ Not available

SafeFAST XXL
The Giant

- Working depth 1,000 mm
- Width up to 2,200 mm
- Heavy-duty floors

Operator protection

Product protection



Image may include paid additional options

Technical specifications

SafeFAST XXL

Biological safety cabinet, Class II according to EN 12469:2000

Description		Unit	1.2 m	1.5 m	1.8 m	2.2 m
General dimensions W×H×D		mm	1233×1885×1190	1637×1885×1190	1942×1885×1190	2398×1885×1190
Usable dimensions W×H×D		mm	1190×1000×1000	1495×1000×1000	1800×1000×1000	2256×1000×1000
Unit height with underframe (standard)		mm	2600			
Working height (seated workstation)		mm	810			
Work opening		mm	200			
Max. front opening		mm	600			
Complete front window opening		mm	1000 with front window removal			
Weight		kg	310	376	450	600
Exhaust air		m³/h	390	486	585	715
Inflow		m/s	0.45			
Downflow		m/s	0.32			
Noise level	(1)	dB(A)	<53	<55	<56	<58
Light intensity		lux	>950	>950	>950	>950
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)			
Total current	(1)(2)	A	9.45	9.7	10	13
Power consumption		W	450	650	750	850
Protection class / IP			1 / 20			
Internal protection		A	4			
Heat emission		W	○			
Operating mode for night setback			●	●	●	●
Remote Control Function			◌	◌	◌	◌
Quick Start Function / Energy Save Mode			◌	◌	◌	◌
Sockets IP66			2			
Other HEPA filters			◌	◌	◌	◌
Timer for programmable start / stop			●	●	●	●

(1) Measured in operating condition according to EN12469:2000
(2) Measured with clean filters, lighting on, internal sockets off

● Standard ◌ Optional ○ Not available

SafeFAST Elite – Class I

The Bodyguard

- Personal protection (no product protection)
- 100% exhaust air

Operator protection



Image may include paid additional options

Technical specifications

SafeFAST Elite – Class I

Biological safety cabinet, Class I according to EN 12469, ISO 14644-1

Description		Unit	0.9 m	1.2 m	1.5 m	1.8 m
General dimensions W×H×D	(1)	mm	1045×1500×860	1350×1500×860	1655×1500×860	1960×1500×860
Usable dimensions W×H×D		mm	887×740×580	1192×740×580	1497×740×580	1802×740×580
Unit height with underframe (standard)		mm	2350			
Working height (seated workstation)		mm	880			
Work opening		mm	200			
Max. elect. front opening		mm	440			
Complete front window opening		mm	740			
Weight		kg	170	195	225	260
Exhaust air		m³/h	290	390	485	585
Inflow		m/s	0.7 (adjustable)			
Downflow		m/s	○			
Noise level	(2)	dB(A)	<49	<51	<52	<53
Light intensity		lux	>1100	>1200	>1300	>1300
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)			
Total current	(2)(3)	A	1.9	2.1	3.4	3.6
Power consumption		W	211	320	517	621
Protection class / IP			1 / 20			
Internal protection		A	4			
Heat emission		W	175	240	295	360
Operating mode for night setback			●	●	●	●
Remote Control Function			◌	◌	◌	◌
Quick Start Function / Energy Save Mode			●	●	●	●
Sockets IP66			2			
Other HEPA filters			◌	◌	◌	◌
Timer for programmable start / stop			●	●	●	●

(1) The total depth of the workbench can be reduced to 780 mm by removing the back panel
(2) Measured in operating condition according to EN12469:2000
(3) Measured with clean filters, lighting on, internal sockets off

● Standard ◌ Optional ○ Not available

SafeFAST Elite – Class II B2

The Exotic

- NSF/ANSI 49
- 100% exhaust air
- No recirculating air

Operator protection

Product protection

Environmental protection

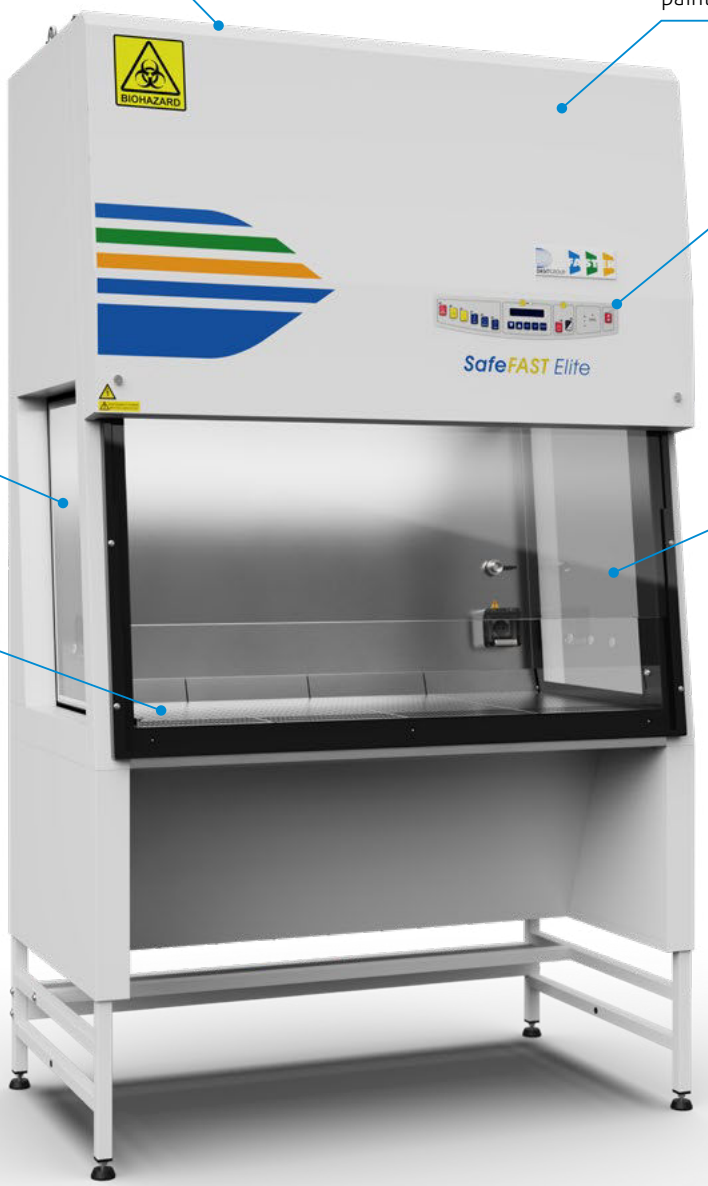


Image may include paid additional options

Technical specifications

SafeFAST Elite – Class II B2

Biological safety cabinet, Class II according to NS/ANSI 49, B2 100% exhaust air

Description	Unit	0.9 m	1.2 m	1.5 m	1.8 m
General dimensions W×H×D (1)	mm	1045×2345×855	1350×2345×855	1655×2345×855	1960×2345×855
Usable dimensions W×H×D	mm	887×740×580	1192×740×580	1497×740×580	1802×740×580
Unit height with underframe (standard)	mm	2350			
Working height (seated workstation)	mm	880			
Arbeitsöffnung	mm	200			
Max. electrical front opening	mm	440			
Complete front window opening	mm	740			
Weight	kg	215	245	290	325
Exhaust air	m³/h	1065	1420	1780	2140
Inflow	m/s	0,45			
Downflow	m/s	0,35			
Noise level (2)	dB(A)	< 51	< 52	< 54	< 55
Light intensity	lux	> 1100	> 1200	> 1300	> 1300
Electrical connection		1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)			
Total current (2)(3)	A	2,3	3,0	4,5	4,5
Power consumption	W	211	320	517	621
Protection class / IP		1 / 20			
Internal protection	A	4			
Heat emission	W	175	240	295	360
Operating mode for night setback		●	●	●	●
Remote Control Function		●	●	●	●
Quick Start Function / Energy Save Mode		●	●	●	●
Sockets IP66		2	2	2	2
Other HEPA filters		○	○	○	○
Timer for programmable start / stop		●	●	●	●

(1) The total depth of the workbench can be reduced to 780 mm by removing the back panel.
(2) Measured in operating condition according to EN12469:2000
(3) Measured with clean filters, lighting on, internal sockets off

● Standard ○ Optional

SafeFAST Classic – Class II B2

The Unusual

- 2-filter system (recirculated air + exhaust air)
- NSF/ANSI 49
- No recirculating air

Operator protection

Product protection

Environmental protection



Image may include paid additional options

Technical specifications

SafeFAST Classic – Class II B2

Biological safety cabinet, Class II according to NS/ANSI 49, B2 100% exhaust air

Description		Unit	0.9 m	1.2 m	1.5 m	1.8 m
General dimensions W×H×D	(1)	mm	1045×2420×855	1350×2420×855	1655×2420×855	1960×2420×855
Usable dimensions W×H×D		mm	887×740×580	1192×740×580	1497×740×580	1802×740×580
Unit height with underframe (standard)		mm	2350			
Working height (seated workstation)		mm	880			
Work opening		mm	200			
Max. elect. front opening		mm	440			
Complete front window opening		mm	740			
Weight		kg	265	295	340	375
Exhaust air		m³/h	1100	1470	1840	2200
Inflow		m/s	0.65			
Downflow		m/s	0.35			
Noise level	(2)	dB(A)	<58	<58	<60	<60
Light intensity		lux	>1100	>1200	>1300	>1300
Electrical connection			230 AC F+N+P.E. / 50			
Total current	(2)(3)	A	2.3	3.0	4.5	4.5
Power consumption		W	900	1000	1250	1600
Protection class / IP			IP55			
Electrical classification (with supply line)			1			
Internal protection		A	4			
Heat emission		W	175	240	295	360
Operating mode for night setback			●	●	●	●
Remote Control Function			○	○	○	○
Quick Start Function / Energy Save Mode			●	●	●	●
Sockets IP66			2P+T			
Other HEPA filters			○	○	○	○
Timer for programmable start / stop			○	○	○	○

(1) The total depth of the workbench can be reduced to 780 mm by removing the back panel.
(2) Measured in operating condition according to EN12469:2000
(3) Measured with clean filters, lighting on, internal sockets off

● Standard ○ Optional

SafeFAST Elite – Class III
The Vault

- 200 Pa negative pressure
- Suitable for Group 4 pathogens
- TÜV-certified pressure test

Operator protection

Product protection

Environmental protection

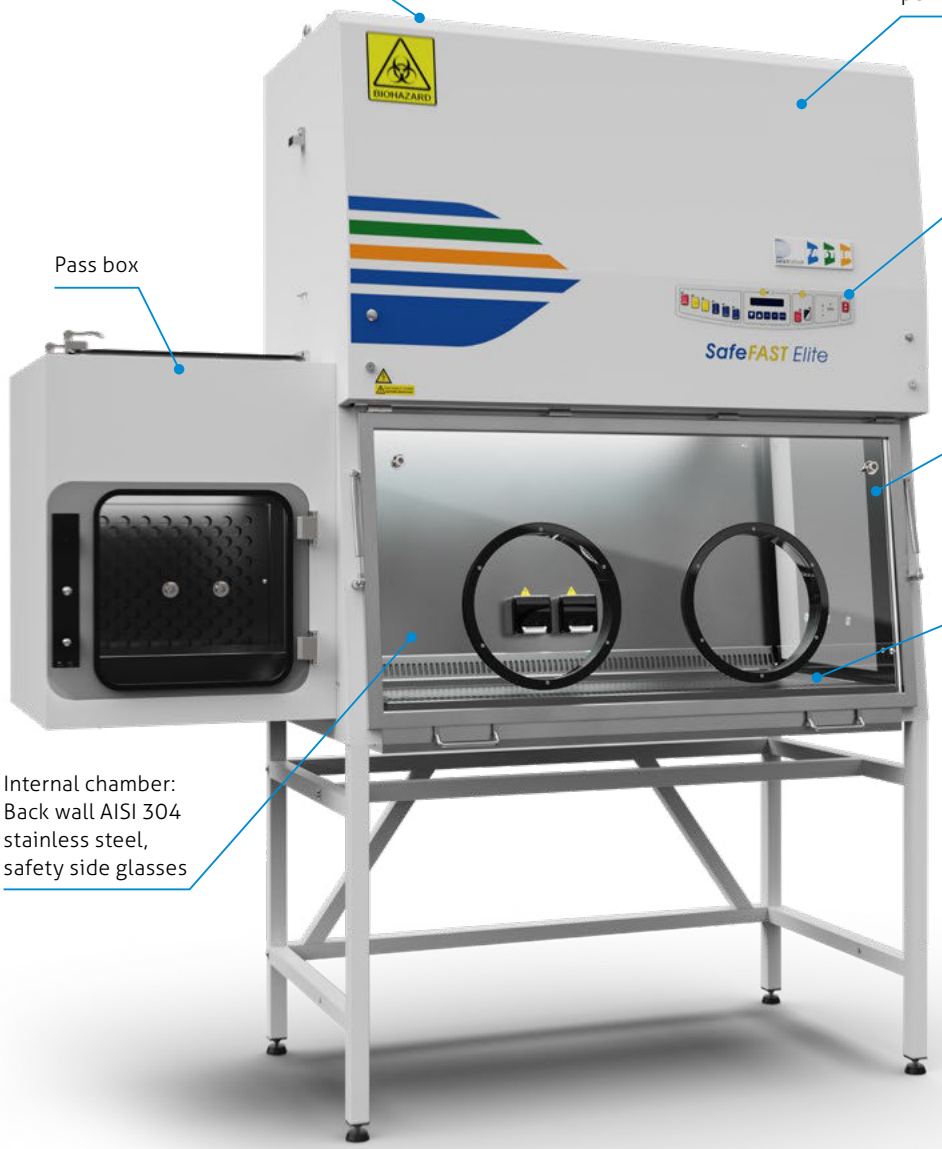


Image may include paid additional options

Technical specifications

SafeFAST Elite – Class III

Biological safety cabinet, Class III according to EN 12469, ISO 14644-1

Description		Unit	1.2 m	1.5 m	1.8 m
General dimensions W×H×D	(1)	mm	2010×1740×880	2315×1740×880	2620×1740×880
Usable dimensions W×H×D		mm	1192×740×580	1497×740×580	1802×740×580
Unit height with underframe (standard)		mm		2540	
Working height (seated workstation)		mm		800	
Arm cuffs (Ø 300 mm)		mm	2 Ports	2 Ports	4 Ports
Max. elect. front opening		mm		440	
Complete front window opening		mm		740	
Weight		kg	196	225	260
Exhaust air		m³/h		150	
Chamber pressure		Pa		-200	
Downflow		m/s		0.40	
Noise level	(2)	dB(A)	50	52	54
Light intensity		lux	>1200	>1300	>1300
Electrical connection			1Ph+E - 230 V 50 Hz, cable length 2.5 m (SchuKo plug)		
Total current	(2)(3)	A	3.0	4.5	4.5
Power consumption		W	340	380	420
Protection class / IP				1 / 20	
Internal protection		A		6	
Heat emission		W	53	78	98
Operating mode for night setback			●	●	●
Remote Control Function			◌	◌	◌
Quick Start Function / Energy Save Mode			○	○	○
Sockets IP66				2	
Other HEPA filters			○	○	○
Timer for programmable start / stop			●	●	●

(1) The total depth of the workbench can be reduced to 780 mm by removing the back panel
(2) Measured in operating condition according to EN12469:2000
(3) Measured with clean filters, lighting on, internal sockets off

● Standard ◌ Optional ○ Not available

OVERVIEW
Biological safety cabinets





	SafeFAST Premium	SafeFAST Elite
	Quietest unit on the market	*TÜV certified*
Work surface	AISI 316 stainless steel, perforated by sectors (different configuration avaliable without surcharge) with holes for easy finger removal	AISI 316 stainless steel, perforated by sectors (different configuration avaliable without surcharge) with holes for easy finger removal
Internal chamber	AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/service taps installation	AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/service taps installation
External structure	Exclusive anti-bacterial painted steel	Exclusive anti-bacterial painted steel
Front	Motorized front window and front panel opening system with automatic gas springs for comfortable cleaning of the internal window	Motorized front window and front panel opening system with automatic gas springs for comfortable cleaning of the internal window
Shape	7° Sloped and paralell front and back	7° Sloped and paralell front and back
Motorblowers technology	2 x DC blowers	1/2 x AC blowers
Display	Touchscreen interface	Large digital display with touch buttons - advanced functions
Utilities	2 x IP 66 electrical sockets for all sizes	2 x IP 66 electrical sockets for all sizes
Lights	LED lights with adjustable intensity	LED lights (fixed intensity)
UV lamp (optional)	New LED UV technology, magnetic and movable in the back wall	Magnetic and movable in the back wall
Filters	115mm thickness H 14 HEPA/ULPA	69mm thickness H 14 HEPA/ULPA







SafeFAST Classic	SafeFAST Compact	SafeFAST Top
Best price	*For low height rooms*	*Classic elegance*
AISI 304 stainless steel, perforated by sectors (different configuration avaliable without surcharge) with holes for easy finger removal	AISI 304 stainless steel, perforated by sectors (different configuration avaliable without surcharge) with holes for easy finger removal	AISI 316 stainless steel, perforated by sectors (different configuration avaliable without surcharge) with holes for easy finger removal
Epoxy painted stainless steel back wall, Safety side glasses with 3 x 19mm Ø holes for cables passage/service taps installation	AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/service taps installation	AISI 304 stainless steel internal working area, single-piece construction, with rounded corners and closed sides
Exclusive anti-bacterial painted steel	Exclusive anti-bacterial painted steel	Exclusive anti-bacterial painted steel
Motorized front window and manual system for opening front panel by brackets	Motorized front window and front panel opening system with automatic gas springs for comfortable cleaning of the internal window	Manual hinged front window
7° Sloped and paralell front and back	7° Sloped and paralell front and back	7° Sloped and paralell front and back
1/2 x AC blowers	2 x DC blowers	1/2 x AC blowers
Small digital display with touch buttons - basic functions	Large digital display with touch buttons - advanced functions	Large digital display with touch buttons - advanced functions
2 x IP 66 electrical sockets for all sizes	2 x IP 66 electrical sockets for all sizes	2 x IP 66 electrical sockets for all sizes
LED lights (fixed intensity)	LED lights (fixed intensity)	LED lights (fixed intensity)
Magnetic and movable in the back wall	Magnetic and movable in the back wall	Magnetic and movable in the back wall
69mm thickness H 14 HEPA/ULPA	69mm thickness H 14 HEPA/ULPA	69mm thickness H 14 HEPA/ULPA





	SafeFAST Light	SafeFAST XXL
	For limited space	*For big size and heavy instruments*
Work surface	AISI 304 stainless steel, closed by sectors (different configuration avaliable without surcharge)	AISI 304 stainless steel, closed by sectors (different configuration avaliable without surcharge) and reinforced up to 500kg weight load
Internal chamber	AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/service taps installation	AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/service taps installation
External structure	Exclusive anti-bacterial painted steel	Exclusive anti-bacterial painted steel
Front	Manual hinged front window	Manual hinged front window
Shape	Sloped	Sloped
Motorblowers technology	1 x AC blower	2 x AC blowers
Display	Small digital display with touch buttons - basic functions	Large digital display with touch buttons - advanced functions
Utilities	2 x IP 66 electrical sockets for all sizes	2 x IP 66 electrical sockets for all sizes
Lights	LED lights (fixed intensity)	LED lights (fixed intensity)
UV lamp (optional)	Fixed on front closure	Fixed on front closure
Filters	69mm thickness H 14 HEPA/ULPA	69mm thickness H 14 HEPA/ULPA









SafeFAST Elite Class I	SafeFAST Elite Class II B2	SafeFAST Classic Class II B2	SafeFAST Elite Class III
Best aspiration	*For volatile chemicals*	*NSF/ANI 49 Standard certified*	*BSL 4 safety condition*
AISI 304 stainless steel, closed single piece and fixed to the main body	AISI 316 stainless steel, closed single piece and vessel form with edges (different configuration avaliable without surcharge)	AISI 304 stainless steel, closed single piece and fixed to the main body	AISI 316 stainless steel, perforated by sectors (different configuration avaliable without surcharge)
AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/ service taps installation	AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/ service taps installation	AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/ service taps installation	AISI 304 stainless steel back wall/spillage tray, Safety side glasses with 3 x 19mm Ø holes for cables passage/ service taps installation. Pass box on left side
Exclusive anti-bacterial painted steel	Exclusive anti-bacterial painted steel	Exclusive anti-bacterial painted steel	Exclusive anti-bacterial painted steel
Motorized front window and front panel opening system with automatic gas springs for comfortable cleaning of the internal window	Motorized front window and front panel opening system with automatic gas springs for comfortable cleaning of the internal window	Motorized front window and front panel opening system with automatic gas springs for comfortable cleaning of the internal window	Manual hinged front window with gloves; front panel opening system with automatic gas springs for comfortable cleaning of the internal window
7° Sloped and paralell front and back	7° Sloped and paralell front and back	7° Sloped and paralell front and back	7° Sloped and paralell front and back
1 x AC blower	2 x AC blowers	1 x AC blower	2 x AC blowers
Large digital display with touch buttons - basic functions	Large digital display with touch buttons - advanced functions	Small digital display with touch buttons - basic functions	Large digital display with touch buttons - advanced functions
2 x IP 66 electrical sockets for all sizes	2 x IP 66 electrical sockets for all sizes	2 x IP 66 electrical sockets for all sizes	2 x IP 66 electrical sockets for all sizes
LED lights (fixed intensity)	LED lights (fixed intensity)	LED lights (fixed intensity)	LED lights with adjustable intensity
Magnetic and movable in the back wall	Magnetic and movable in the back wall	Magnetic and movable in the back wall	Magnetic and movable in the back wall
69mm thickness H 14 HEPA/ULPA	115mm thickness H 14 HEPA/ ULPA + additional H14 HEPA/ ULPA filter bank under work surface	69mm thickness H 14 HEPA/ULPA	115mm thickness H 14 HEPA/ULPA

BIOLOGICAL SAFETY CABINETS

In order to build first-class safety cabinets, a good understanding of air flows is required. The class II biological safety cabinets from FASTER meet this requirement.

In a market offering a wide selection of biosafety cabinets, we believe that experience and know-how make the difference. This is what defines us as a reliable, long-term partner for our customers. Our biosafety cabinets belong to the latest generation of vertical laminar flow systems. Even the strictest safety standards are met through the use of high-quality construction materials, benefiting both people and the environment. Customers benefit from a wide range of configuration options. Based on a standardized basic model, the safety cabinet can be tailored to individual requirements, resulting in cost-effective and fully customized solutions. All safety cabinets are quiet and energy-efficient. Energy consumption can be further optimized by selecting the appropriate motor. The biological safety cabinets are equipped with self-regulating fans and comply with the requirements of EN 12469. 70% of the air is recirculated inside the cabinet through the main H14 HEPA filter, while the remaining 30% is exhausted through a second H14 HEPA filter. In addition, all safety cabinets are equipped with an automatic, microprocessor-based control system that ensures optimal performance at all times. Cabinets of this series are suitable for handling microorganisms and pathogens as defined in relevant European and international standards, while ensuring protection for personnel, products, and the environment in accordance with health and safety guidelines.

Quiet

Our safety cabinets are particularly quiet while the SafeFAST Premium is the quietest unit available in the market with only 41 dB(A).

Certified

All biological safety cabinets are designed and manufactured to meet the requirements of the European standard EN 12469 and some even have a TÜV certificate.

Efficient

In addition to the high-quality choice of materials, we also count the low energy consumption as part of the sustainable construction of our safety cabinets.

Energy-saving

With a consumption of less than 84.4 watts per hour and an average annual CO_2 emission of less than 163 kg, our top model also delivers top values in this area, which is so important for the environment.

Individually configurable

The basic equipment varies depending on the model, but with our extensive, optional accessories you can customize your devices according to your specific wishes. Use the flexibility to create the perfect solution for your needs.

24/7 hotline

We can be reached by phone at any time in order to be able to react quickly in case of problems.

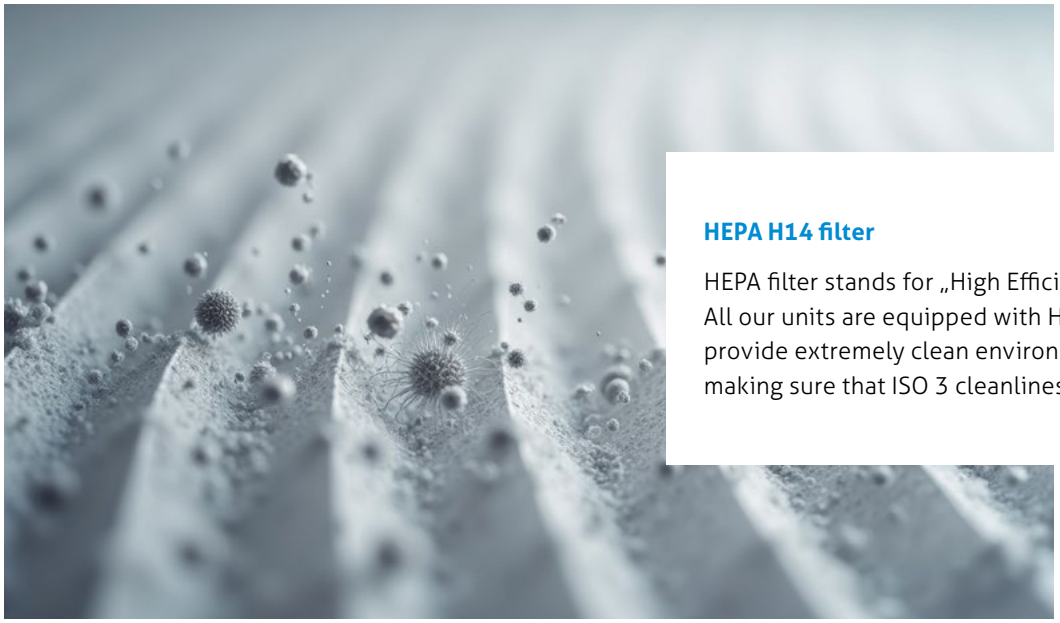




The new FASTER production plant in Ferrara (Italy) with over 10,000 m² and its own metal processing and paint shop is a state-of-the-art production facility. The factory roof is fully covered with solar panels, providing a capacity of 300 MWh/year and ensuring a sustainable power supply for the entire production plant.

QUALITY
Endurance and precision

To ensure precise control of airflow, experience, technical expertise, and high-quality components are essential. This is why we rely on a high level of automation for quality assurance in our production process. In our factory, premium-grade steel is precisely formed and bonded by advanced machinery. This is what makes FASTER safety cabinets exceptionally durable and consistently high-quality.

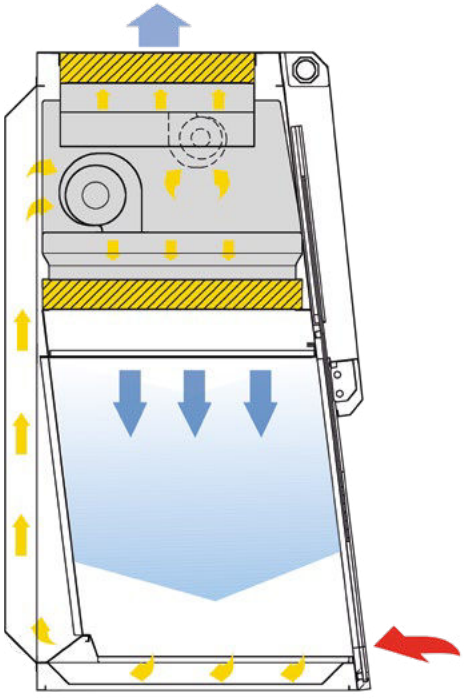


HEPA H14 filter

HEPA filter stands for „High Efficiency Particulate Air Filter". All our units are equipped with HEPA H14 filters able to provide extremely clean environment within the work space making sure that ISO 3 cleanliness level is guaranteed.

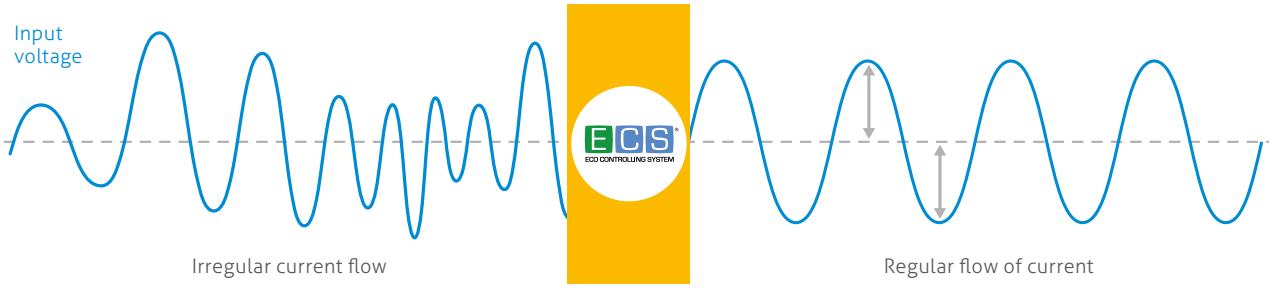
Laminar flow

The interaction of the ECS processor and the reliable blower is illustrated in the graphic. The airflow stabilizes visibly and audibly. The flow thus remains reliably laminar throughout the entire work process.



ECO Control System (ECS)

The new ECS® microprocessor enables the fully integrated management of all main functions of ventilation and filtration. The new and innovative solution: All main filtration and ventilation systems are self-regulating and compensate for both pressure drops and power outages. By combining high-quality blowers and certified filters with low pressure loss, the new ECS control system optimizes energy consumption and thus helps to reduce CO_2 emissions.



LED lighting

In contrast to conventional lighting systems using old-fashioned standard bulbs, our units are equipped with up-to-date LED lights. The superior lighting power of LEDs ensures optimal illumination of the working area. While all our units come with non-dimmable LED lights, our top-of-the-range SafeFAST Premium models take this even further: dimmable LED lighting is standard, thus offering great flexibility for different users and applications.





RemoteFAST (optional)

Our RemoteFAST software allows for remote monitoring and diagnosis of breakdowns. Using this tool, engineers can monitor all main parameters of the cabinet, as well as check alarms and programmed preventive maintenance, thus reducing downtime. Engineers' visits can then be scheduled with a solution already available, saving time and ensuring efficiency.

COMFORT
Ergonomics in a nutshell

From research to practice: The safety cabinets from FASTER are state-of-the-art. FASTER's R&D department works closely with our customers to continuously integrate the latest technologies into product development. The result is enhanced user comfort in terms of ergonomics, noise reduction, and energy efficiency.



Cleaning

FASTER develops its safety cabinets based on many years of practical experience. This also applies to cleaning and maintenance. Our unique front glass lifting system allows for easy and thorough cleaning of the internal surface of the front glass. GMP – Good Manufacturing Practice at its best!





Noise level

When you think about a FASTER cabinet, you think about quiet operation. This applies to all our models, and more specifically to the SafeFAST Premium, which achieves an outstanding noise level of 41 dB(A).



Legroom

Maximum legroom ensures an ergonomic and comfortable working position, even when stretching your legs. The new U-design support stand takes ergonomics for biological safety cabinets to a new level, with a strong focus on user comfort. The FASTER chassis can be fully positioned underneath the cabinet. All support stands are available in both fixed-height and electrically adjustable versions.

User-friendly control panel

Control via the control panel is clear and simple. The user-friendly design with easy-to-use buttons and the backlit LCD display continuously show the user all the necessary data. A status report of the cabinet can be retrieved at any time. A touch display with the same functions is also available on request.

The following ads are supported:

- Display of the laminar flow velocity and the inflow velocity at the front
- Indication of internal and external temperature
- Display of the remaining filter lifetime and UV lamp status (if available)
- Display of total operating hours
- Display of filter contamination level and remaining filter lifetime

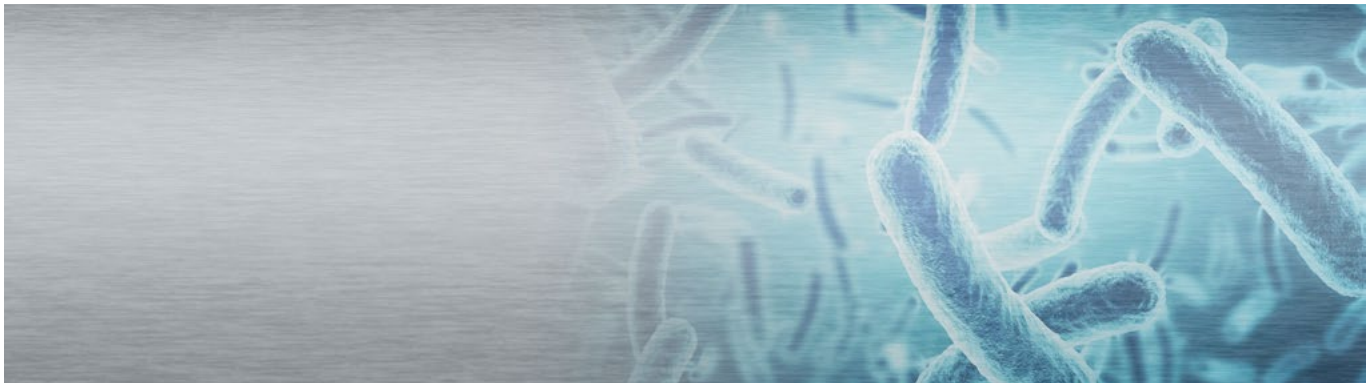
All functions and safety alarm systems are continuously and fully automatically monitored in accordance with the EN12469 standard. A high-performance lithium battery ensures that the safety data is stored in the microprocessor.



Default Keyboard



Optional touch display
(standard with SafeFAST Premium)



Powder Coating

All our steel housings feature antibacterial Kansai Helios powder coating, providing a durable, long-lasting antibacterial effect.

Laminator foil

All our downflow filters are equipped with a unique soft-touch laminator sheet, also known as an equalizer, which guarantees optimal airflow distribution across the work area. The sheet is mounted directly on the filter for maximum efficiency.

Audible/visual alarms for

- Laminar flow speed out of limits
- Inflow speed out of limits
- Incorrect position of the front glass
- Saturation level of HEPA filters
- End of life of UV lamp (if installed)
- Blockage in the exhaust air connection
- Blower motor failure
- Power failure
- Blower motor at maximum power

Programmed security

In the so-called "Energy Save Mode", the safety cabinet provides a programmed safety feature: even when the front glass is fully closed, the cabinet maintains a minimum negative pressure, ensuring user protection. This function is only available on units equipped with double blowers.

CABINET CONFIGURATION
Accessories

Standard equipment varies depending on the model, while a wide range of optional accessories allows you to tailor each unit to your specific requirements. Configure your cabinet exactly to suit your application.

Work surface

All work surfaces are made of stainless steel. As standard, we offer segmented and perforated work surfaces that both facilitate cleaning and optimize vertical airflow. Optionally, you get a work tray, segments without perforation or V-shaped work surfaces.



Electrically height-adjustable chassis

As an alternative to the manually height-adjustable chassis, we offer an electrically adjustable chassis. It raises and lowers the entire workstation by means of two integrated lifting cylinders and thus adapts to the respective user. The lifting cylinders are conveniently controlled via a remote control. We also offer a chassis with castors, e.g. for animal changing stations and similar requirements.



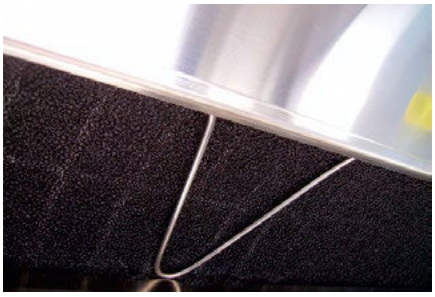
Touch screen, 19 inch

The touchscreen is a very helpful tool, especially for research applications, group work or process optimisation in laboratories or pharmacies. It can be easily controlled via numerous interfaces and can also be accessed from the outside with additional information.



Pre-filter

The pre-filter is used for additional filtering, for example in abrasive applications. Depending on the requirements, individually thick and strong filter fleeces can be inserted here in order to relieve the main system in advance.



Particle monitoring

For continuous compliance with your specified purity class, FASTER has a particle counter in the program. It enables the sustainable measurement and monitoring of particle cleanliness class A in the working area during the entire operation of the safety cabinet. Essential for your safety.



Duct connections

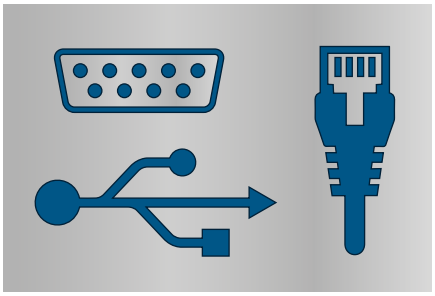
Two options of duct connections are possible. A thimble (non-rigid connection) and a hard duct (direct connection).



Interfaces

Connect your safety cabinet to the world. For connection to various devices and for immediate access to all data, we offer the following selection of interfaces:

RS 232, RS 485, USB/USB 3.0, RJ45/CAT6



Tap connections

Depending on your needs, connections for a wide variety of gaseous and liquid media are possible. The laboratory fittings are ergonomic and can be integrated into the side wall or rear wall.

Some examples of the different media taps:

- Nitrogen
- Carbon dioxide, CO_2
- Flammable gases
- Non-combustible gases
- Process water
- Compressed air
- Demineralised water
- Ultrapure water



Cleaning tool

The cleaning tool for cleaning hard-to-reach areas prevents direct contact with the potentially contaminated interior of the safety cabinet.



Weighing mode

In weighing mode, the recessed work segment for the marble plinth provides an extremely stable and low-vibration work surface, e.g., for operating scales or vibration-sensitive analyzers.



Hanging rod

Our hanging rods with 6 hooks offer the possibility to hang or store IV bags during work in pharmaceutical applications.



UV lamp

A fixed or mobile UV-C disinfection system in the rear wall of the biological safety cabinet enables disinfection of the internal workspace through high-performance, shadow-free irradiation with a high disinfection efficiency of 99.9%. A high irradiance at a wavelength of 254 nanometers ensures rapid killing of microorganisms. A flexible time setting using a UV timer is possible.



Armrests

Armrests allow fatigue-free work and prevent the front vents from blocking.



Many more options are available, such as

- Hydrogen peroxide fumigation
- Potential-free contacts
- Activated carbon filter

CUSTOM-MADE SOLUTIONS

Flexible partners for your unique needs



Tailor made requirements and individual needs require a flexible partner. FASTER's new production facility in Ferrara, which opened in 2019, is designed for flexible order processing. Thanks to the latest technology in production, FASTER is a reliable partner for your unique needs.



Wide range of work surfaces



Electrical stand



Waste disposal connections



Recessed work surface

We provide perfectly tailored solutions for your specific needs – get in touch!

Customer Service

Our sales department works in close coordination with production, creating the prerequisites for a flexible and fast response to your individual requests already in the quotation phase. From the initial idea to commissioning, we collaborate closely with our customers to design the perfect solution. At FASTER, we attach great importance to attention to detail, careful planning, and professional execution. In our production facility in Italy, it is possible to manufacture custom-designed cabinets, laboratory fume hoods, isolators, or cleanroom systems. Each item we deliver is unique and tailored specifically to your need.

CONTACT

Do you have any questions, would you like advice, or would you like a quote?

We look forward to your call or email:

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FASTER ENVBiological safety cabinets/2026-04/Ed. 01 In this brochure all pictures and specifications are purely indicative and may vary without notice.

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