

Class II Biosafety Cabinets

Protect your lab staff,
the environment and sensitive
work processes.



Key Benefits:

- Custom-made solutions
- Superior construction
- Safe and compliant
- ULPA Filters

Designed for optimum operator protection and easy maintenance, our biosafety cabinets will protect your lab staff, the environment and sensitive work processes in which biological agents are applied.



- Low energy consumption
- Maximum flexibility
- 9" digital control panel
- User-friendly interface

Technical Specification				A2 (Recirculating)
Model Number	153-704	153-703	153-705	153-706
Description	TION Biological Cabinet Class II - A2. 915mm (3 foot)	TION Biological Safety Cabinet Class II - A2. 1220mm (4 foot)	TION Biosafety Cabinet Class II - A2. 1525mm (5 foot)	TION Biological Safety Cabinet Class II - A2. 1830mm (6 foot)
Outer Dimensions (WxDxH)	915 x 800 x 1500mm 36 x 31.5 x 59"	1220 x 800 x 1500mm 48 x 31.5 x 59"	1525 x 800 x 1500mm 60 x 31.5 x 59"	1830 x 800 x 1500mm 72 x 31.5 x 59"
Workspace (WxDxH)	835 x 600 x 640mm 32.8 x 23.6 x 25.2"	1135 x 600 x 640mm 44.7 x 23.6 x 25.2"	1440 x 600 x 640mm 57 x 23.6 x 25.2"	1715 x 600 x 640mm 67.5 x 23.6 x 25.2"
Front Sash Maximum Opening	480mm / 18.9"	480mm / 18.9"	480mm / 18.9"	480mm / 18.9"
Noise (Tested 20cm from worktable, 1.2m above ground)	<52dB	<52dB	<54dB	<60dB
Downflow Velocity	0.33 m/s, 60 fpm			
Inflow Velocity	0.5 m/s, 100 fpm			
Airflow Pattern	70% circulation, 30% exhaust			
Cleanliness Level	Class 100/ISO 5			
Carcass Material	Welded white polypropylene structure with stainless steel 304 worktop			
Power Supply	115 / 230V 50/60 Hz, single phase			
Illumination	800 LUX, eco-friendly LED lighting			
Filters	2 x ULPA H15 efficiency @99.9995% @ 0.1 um			
Options	Motorised stand, multi or single-piece worksurface			

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Technical Specification				A2 (Recirculating)
Model Number	153-707	153-708	153-709	153-710
Description	TION Biological Safety Cabinet Class II - B2. 915mm (3 foot)	TION Biosafety Cabinet Class II - B2. 1220mm (4 foot)	TION Biological Safety Cabinet Class II - B2. 1525mm (5 foot)	TION Biosafety Cabinet Class II - B2. 1830mm (6 foot)
Outer Dimensions (WxDxH)	915 x 800 x 1500mm 36 x 31.5 x 59"	1220 x 800 x 1500mm 48 x 31.5 x 59"	1525 x 800 x 1500mm 60 x 31.5 x 59"	1830 x 800 x 1500mm 72 x 31.5 x 59"
Workspace (WxDxH)	835 x 600 x 640mm 32.8 x 23.6 x 25.2"	1135 x 600 x 640mm 44.7 x 23.6 x 25.2"	1440 x 600 x 640mm 57 x 23.6 x 25.2"	1715 x 600 x 640mm 67.5 x 23.6 x 25.2"
Front Sash Maximum Opening	450mm / 17.7"	450mm / 17.7"	450mm / 17.7"	450mm / 17.7"
Noise (Tested 20cm from worktable, 1.2m above ground)	<52dB	<52dB	<54dB	<60dB
Downflow Velocity	0.33 m/s, 60 fpm			
Inflow Velocity	0.5 m/s, 100 fpm			
Airflow Pattern	70% circulation, 30% exhaust			
Cleanliness Level	Class 100/ISO 5			
Carcass Material	Welded white polypropylene structure with stainless steel 304 worktop			
Power Supply	115 / 230V 50/60 Hz, single phase			
Illumination	800 LUX, eco-friendly LED lighting			
Filters	2 x ULPA H15 efficiency @99.9995% @ 0.1 um			
Options	Motorised stand, multi or single-piece worksurface			

Technical Specification

A2 (Recirculating)

Model Number	153-711	153-712
Description	TION Essentials Compact Biosafety Cabinet Class II - A2. 800mm	TION Essentials Compact Biological Safety Cabinet Class II - A2. 1200mm
Outer Dimensions (WxDxH)	800 x 680 x 1220 mm 31.5 x 26.7 x 48"	1200 x 680 x 1220 mm 47.2 x 26.7 x 48"
Workspace (WxDxH)	720 x 500 x 570 mm 28.3 x 19.6 x 22.4"	1120 x 500 x 570 mm 44 x 19.7 x 22.4"
Front Sash Maximum Opening	400 mm / 15.7"	400 mm / 15.7"
Certification	Manufactured to comply with BS EN 12469:2000	Manufactured to comply with BS EN 12469:2000
Downflow Velocity	0.33 m/s, 60 FPM	0.33 m/s, 60 FPM
Inflow velocity	0.5 m/s, 100 fpm	0.5 m/s, 100 fpm
Airflow pattern	70% circulation, 30% exhaust	70% circulation, 30% exhaust
Cleanliness level	Class 100/ISO 5	Class 100/ISO 5
Carcass Material	Welded white polypropylene structure with stainless steel 304 worktop	Welded white polypropylene structure with stainless steel 304 worktop
Noise (Tested 20 cm from worktable, 1.2m above ground)	<52db	<52db
Power Supply	115 / 230V 50/60 Hz, Single phase	115 / 230V 50/60 Hz, Single phase
Illumination	800 LUX, Eco-friendly LED lighting	800 LUX, Eco-friendly LED lighting
Filters	2x ULPA H15 Efficiency @99.9995% @ 0.1 um	2x ULPA H15 Efficiency @99.9995% @ 0.1 um
Options	Fixed height stand 800mm (working height of 900mm)	Fixed height stand 800mm (working height of 900mm)

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Offering complete peace of mind

At TION, we understand that purchasing equipment from us is a capital investment for any business. With this in mind, we welcome customers to speak to our technical team regarding any questions you may have.

Our engineers will also be on hand to demonstrate some of the key functions of any TION product that's installed at your premises.



Experienced technical sales team

TION's sales team are always on hand to offer their expert advice and technical support and our engineers have extensive experience working with a range of clients on various projects. We'll help you select the appropriate equipment to suit your application, with the ultimate aim of providing the best design, manufacture and installation service in the UK.

All of our biosafety cabinets can be adapted to your exact bespoke requirements and our team is more than happy to discuss all the options available to you to ensure your quote matches what you need.



Exceptional customer service

This is one of the most vital aspects of a complete service, but one that is often overlooked. Here at TION, providing the best customer service is important to us and is fundamental to our company ethos.

From SMEs to multi-national organisations, we always endeavour to provide the highest levels of service, no matter your requirements. We're not satisfied until you are.



Level up your workspace with our cutting-edge fume cupboards, biosafety cabinets, and clean air systems.



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