



## KEY TIPS

CLEANING AND  
MAINTENANCE

Shut down the system and disconnect the power cable before performing any maintenance procedures, to avoid electric shock.

Replace burnt fuses with fuses of the same type and rating, to avoid risk of fire.

- After completion of any procedure, or if the worktop becomes soiled, remove all items from the worktop and wipe it with a dedicated lint-free polyester or polyester cellulose cloth, available at clean room suppliers. Dampen the cloth with 70% isopropyl or ethanol alcohol or any solvent recommended by the suppliers for this purpose. The panels and base of the unit may also be wiped with the cloth.
- Once a month, visually inspect the pre-filter at the top of the unit. If the pre-filter appears soiled, lift it off the top of the unit and take it out of the clean environment to shake it until it is dust-free. If the unit is located in a clean room, place the pre-filter in a dedicated receptacle while moving it within the room. If the pre-filter appears soiled and worn after shaking, replace it with a new pre-filter.
- Once a year, the airstream speed should be tested by a certified clean room technician, and the filter should be replaced.
- Before transporting or storing the unit, unplug the electric cord and fasten it so it does not bounce against any surfaces and remove the unit from the base. Keep the unit in an upright position and wrap it securely in protective covering to prevent damage.

## CONTACT OUR GLOBAL PARTNERS TODAY...



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EXCELLENCE  
IT'S OUR SCIENCE

POLYPROPYLENE  
DUCTLESS  
FUME HOOD

- Key facts and information.
- Troubleshooting.
- General warnings.
- Staying in control.

SPECIFICATION  
USER GUIDE

INTERNATIONAL SCIENTIFIC GROUP





KEY INFO  
GETTING STARTED

**Symbols**  
The following symbols appear on equipment labels or in this guide. Disregarding this information could endanger the personal safety of the user and may result in serious injury.

The ductless fume hood meets all requirements of relevant European Union directives.



General Warnings

- This guide must be read thoroughly and carefully, and the operator must be familiar with its contents, especially the safety requirements, before the system is operated.
- After the unit is unpacked, it must be checked to verify that no damage occurred during shipment. If damage is detected, contact Statitech Ltd.
- Electrical installation must comply with applicable IEC, CEC, and NEC requirements.
- When fuses are inspected, the unit must be disconnected from the electrical outlet.
- Repairs or adjustments to the unit may be performed only by a qualified technician authorized by ISG®.
- The warranty is void if any of the warnings or cautions contained in this guide are disregarded.

KEY INFO  
THE MACHINE

ISG®'s Polypropylene Ductless Fume Hoods provide an ultimate protective work environment for lab staff working with acids and harsh chemicals. The electrical and mechanical components are manufactured by leading global companies, such as EBM Germany and AAF USA. The products comply with relevant international standards.

Specifications

- Welded white polypropylene structure
- Built-in sealed polypropylene worktop
- Easily dissembled back wall
- Tempered glass sliding front window
- Monitor indicating fan's total working time, for tracking and filter replacement purposes
- Top quality, quiet fan manufactured by EBM Germany
- Eco-friendly, cost-effective 600-800 LUX LED lighting separate from the fuming hall
- Wind speed at 0.6+0.1 m/s, 120±FPM
- Easy filter replacement.
- Top filtration unit including carbon filter
- User-friendly digital control system including fan speed control, and displays for air pressure, signal light, operation time and alarms



- 1 Active Charcoal Filter
- 2 LED Lighting
- 3 Control Panel, Light & Speed Gauge
- 4 Tempered Glass
- 5 Electric Outlets

KEY INFO  
STAYING IN CONTROL

The control panel at the front of the top unit of the Polypropylene Ductless Fume Hood displays operation data and holds keys that allow the user to control the different functions:

Power Button (On/Off):

It is recommended to switch on the unit five or ten minutes prior to any activity.

Electric Socket Button:

Activates the electric socket on the back panel of the unit. When the LED is unlit, power is not supplied to the appliance plugged into the socket.

Light Button:

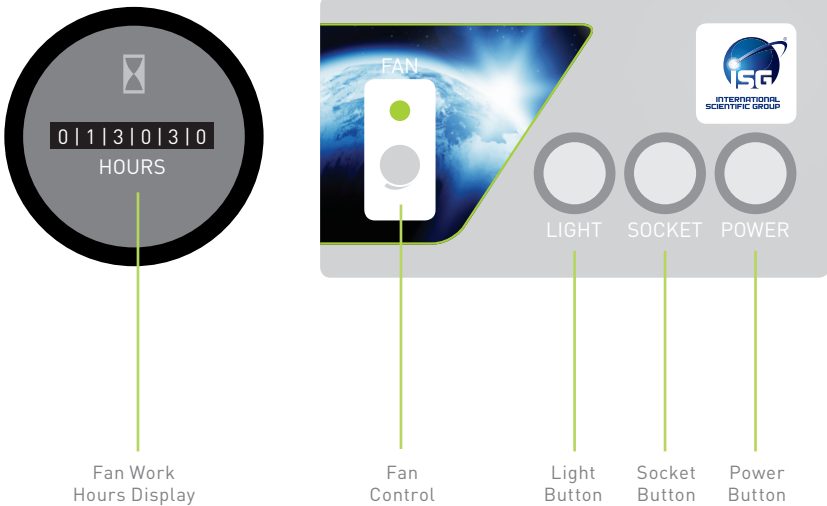
Turns the fluorescent illumination on and off.

Fan Control:

Turns the fan on and off.

Fan Work Hours Display:

Shows the number of the fan's work hours.



MODELS

SPEC	153-900
Outer Dimensions (W x D x H)	900 x 700 x 1050 mm
Workspace (W x D x H)	840 x 640 x 660 mm
Production / Test Standard	EN-14175 / CE / ASHRAE 110-1995 / ISO-9001:2008
Air Velocity	0.6±0.1m/s, 120±20 FP
Cabinet Material	Welded white polypropylene structure with built-in sealed polypropylene worktop
Noise Level	<52dB
Power Supply Options	110 / 220V 50/60 Hz, Single phase
Illumination	>600-800 LUX, Eco-friendly LED lighting
Filter	Charcoal Filter/ multi-gas filter/HEPA

ACCESSORIES

SPEC	153-901
Stand (W x D x H)	900 x 700 x 850 mm

TROUBLESHOOTING

ISSUE	POSSIBLE CAUSE	WHAT TO DO
Unit doesn't switch on?	Electric cord isn't plugged into an electric socket.	Plug the cord into a properly grounded electric socket.
-	Electric socket is dysfunctional.	Plug the electric cord into a different socket.
Air velocity is lower than standard?	Filter is blocked.	Replace filter.
Mechanism doesn't restart after an electricity blackout?	Circuit breaker has tripped.	Unplug the unit reset the circuit breaker, plug in the unit and restart it.

SPARE PARTS

DESCRIPTION
Carbon Filter
Pre Filter
355 Centrifugal Fan
18W LED Light
Control System

