



## GuardOne® Laminar Flow 48" (120 cm)

SKU S8040-0001



### Product Highlights

- **Safe:** Efficient UV<sub>254nm</sub> decontamination with timer function | Automatic UV lamp cut-off when front sash is opened | Efficient, class H14 HEPA filter with pre-filter | ISO class 5 working environment
- **Reliable:** UV lamp lifespan surveillance | HEPA filter lifespan surveillance | Realtime airflow measurement | Device status monitoring
- **Easy to use:** Glove-compatible touchscreen | One touch QuickStart / QuickStop | Virtually maintenance free | Easy to clean
- **Innovative:** Minimal packaging volume and weight reduces transport needs | Easy, tool-free assembly - set up your GuardOne® in just 15 minutes | Tool-free HEPA filter exchange in just 2 minutes
- 2-year warranty

## Product Applications

Sample preparation prior to thermocycling of DNA or RNA

Post-PCR techniques

Binding studies and other incubations

Cell culture work

Sterile solution preparations

(Molecular) plant physiology (use the innovative red-light option for light sensitive experiments)

Microbiological culture work

Any sensitive experiments requiring a controlled, clean environment

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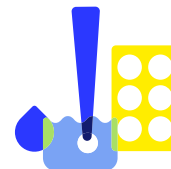


## General Data

Pack Size	Pack
Dimensions	48 in (120 cm)
Weight	42 kg
UV Bulb	2x 15 W
UV Light Timer	Yes
UV Bulb Live Monitor	Yes
UV Safety Interlock Switch	Yes
Dimensions (W × L)	1220 mm ×
Dimensions (W × H)	1220 × 877 mm
Max. power consumption	160 W
LED Light Density	1400 lx
HEPA Filter Life Monitor	Yes
Variable Speed Blow Control	Yes
Air velocity	0.2 – 0.4 m/s
Lab Event Timer	Yes
Pre-Filter	2x
HEPA Filter	Yes
Packaging Item	Piece
Packaging Unit	Pack
Pack Size	1 Pack × 1 Piece
Dimensions (W × D × H)	1220 mm × 610 mm × 877 mm
External width	1220 mm

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## More informations about GuardOne® Laminar Flow 48" (120 cm)

### Work with your valuable samples without cross-contamination

STARLAB's new GuardOne® Workstation provides the ideal workspace for sensitive and critical applications requiring a clean environment, or protection from potential contaminations by bacteria, DNA or RNA. GuardOne® minimizes cross-contamination risk and protects your valuable samples and reagents and saves you time by not having to duplicate your work.

The GuardOne® Workstation with silent, energy-saving fan, real-time airflow measurement and two stage filter system creates an ISO 5 cleanroom environment\* to improve your results. The UV lamp with timer function allows you to easily decontaminate the working area whenever needed. Made from optically-clear, UV-impermeable polycarbonate, GuardOne® provides the user with an optimal view while working and full protection from harmful UV when decontaminating. A safety-switch on the sash door prevents any UV use while working.

Every aspect of GuardOne® has been designed with convenience in mind. All functions can be controlled via the intuitive touchscreen that is compatible with laboratory gloves. The integrated lab timer, constant monitoring of the UV lamp and the HEPA filters lifespan will ease your work further. Check the GuardOne® status at a glance and at any time using the color coded status indicator on the touchscreen.

### Features:

- > Double folding sash for easy access
- > full PC shell to reflect UV instead of UV absorbing Acrylic -Effective decontamination and longevity
- > Polymer bases instead of stainless steel so doesn't corrode from cleaning with disinfectants and spill groove to contain spills (and Dead Air)
- > Shelf with integrated pipette holder (and Dead Air)
- > Equipment access ports (and Dead Air)
- > Long life UV bulb ~9000 hours
- > Optional trolley available

### GuardOne® Workstation can be used for various applications such as:

- > Sample preparation prior to thermocycling of DNA or RNA
- > Post-PCR techniques
- > Binding studies and other incubations
- > Cell culture work
- > Sterile solution preparations
- > (Molecular) plant physiology (use the innovative red-light option for light sensitive experiments)
- > Microbiological culture work

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> Any sensitive experiments requiring a controlled, clean environment

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## Accessories

PRODUCT NAME	PACKAGING SIZE	ART. NO.
 <a href="#">Replacement hood for GuardOne® Workstation 32" models</a>	1 Pack × 1 Piece	S8040-0036
 <a href="#">Pre-Filter for GuardOne® Workstation 32" &amp; 48" laminar flow models</a>	1 Pack × 2 Pcs.	S8040-0014
 <a href="#">HEPA Filter for GuardOne® Workstation 48" laminar flow model</a>	1 Pack × 2 Pcs.	S8040-0011
 <a href="#">Replacement UV lamp for GuardOne® Workstation 48" models</a>	1 Pack × 2 Pcs.	S8040-0013
 <a href="#">Replacement shelf with integrated pipette holder for GuardOne® Workstation 48" models</a>	1 Pack × 1 Piece	S8040-0016
 <a href="#">HEPA Filter for GuardOne® Workstation 32" laminar flow model</a>	1 Pack × 1 Piece	S8040-0010
 <a href="#">Replacement hood for GuardOne® Workstation 48" models</a>	1 Pack × 1 Piece	S8040-0037
 <a href="#">Replacement UV lamp for GuardOne® Workstation 32" models</a>	1 Pack × 1 Piece	S8040-0012
 <a href="#">Replacement shelf with integrated pipette holder for GuardOne® Workstation 32" models</a>	1 Pack × 1 Piece	S8040-0015
 <a href="#">Trolley for GuardOne® Workstation 48" models</a>	1 Pack × 1 Piece	S8040-0018

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PRODUCT NAME	PACKAGING SIZE	ART. NO.
 <a href="#">Trolley for GuardOne® Workstation 32“ models</a>	1 Pack × 1 Piece	S8040-0017

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