



GuardOne® Laminar Flow 48" (120 cm)



Product Highlights

- **Safe:** Efficient UV_{254nm} 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

*GuardOne® is not designed to protect the operator

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General Data

Art. No.	S8040-0001
Pack Size	1 Piece (1 Pack × 1 Piece)
Dimensions	48 in (120 cm)
Dimensions (W × D × H)	1220 mm × 610 mm × 877 mm
Dimensions (W × D)	1220 mm × 610 mm
Weight	42 kg
HEPA Filter	Yes
HEPA Filter Life Monitor	Yes
Max. power consumption	160 W
Lab Event Timer	Yes
UV Light Timer	Yes
Air velocity	0.2 – 0.4 m/s
Fluorescent bulb	Yes
LED Light Density	1400 lx
Pre-Filter	2x
UV Bulb	2x 15 W
UV Bulb Live Monitor	Yes
UV Safety Interlock Switch	Yes
UVTect Controller	Yes
Variable Speed Blow Control	Yes

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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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All Variations












PRODUCT NAME		PACKAGING SIZE	ART. NO.
	GuardOne® Laminar Flow 32" (80 cm) Dimensions: 32 in (80 cm)	1 Piece (1 Pack × 1 Piece)	S8040-0000
	 Create PDF Data Sheet		
	GuardOne® Laminar Flow 48" (120 cm) Dimensions: 48 in (120 cm)	1 Piece (1 Pack × 1 Piece)	S8040-0001
	 Create PDF Data Sheet		

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Accessories

PRODUCT NAME	PACKAGING SIZE	ART. NO.
 HEPA Filter for GuardOne® Workstation 48" laminar flow model	2 Pcs. (1 Pack × 2 Pcs.)	S8040-0011
 Replacement shelf with integrated pipette holder for GuardOne® Workstation 32" models	1 Piece (1 Pack × 1 Piece)	S8040-0015
 Replacement shelf with integrated pipette holder for GuardOne® Workstation 48" models	1 Piece (1 Pack × 1 Piece)	S8040-0016
 Pre-Filter for GuardOne® Workstation 32" & 48" laminar flow models	2 Pcs. (1 Pack × 2 Pcs.)	S8040-0014
 Replacement UV lamp for GuardOne® Workstation 32" models	1 Piece (1 Pack × 1 Piece)	S8040-0012
 Replacement UV lamp for GuardOne® Workstation 48" models	2 Pcs. (1 Pack × 2 Pcs.)	S8040-0013
 Replacement hood for GuardOne® Workstation 32" models	1 Piece (1 Pack × 1 Piece)	S8040-0036
 Replacement hood for GuardOne® Workstation 48" models	1 Piece (1 Pack × 1 Piece)	S8040-0037
 HEPA Filter for GuardOne® Workstation 32" laminar flow model	1 Piece (1 Pack × 1 Piece)	S8040-0010
 Trolley for GuardOne® Workstation 48" models	1 Piece (1 Pack × 1 Piece)	S8040-0018
 Trolley for GuardOne® Workstation 32" models	1 Piece (1 Pack × 1 Piece)	S8040-0017

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