



## GuardOne® Workstation-Laminar Flow



### 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

\*GuardOne® is not designed to protect the operator

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## General Data

|                             |                            |
|-----------------------------|----------------------------|
| Art. No.                    | See variations             |
| Dimensions (W x H)          | × 877 mm                   |
| HEPA Filter                 | Yes                        |
| Pack Size                   | 1 Piece (1 Pack × 1 Piece) |
| HEPA Filter Life Monitor    | Yes                        |
| Lab Event Timer             | Yes                        |
| UV Light Timer              | 0 - 60 mins (digital)      |
| Air velocity                | 0.2 – 0.4 m/s              |
| Fluorescent bulb            | Yes                        |
| LED Light Density           | 1400 lx                    |
| Pre-Filter                  | Yes                        |
| UV Bulb                     | 2 x 15 W, 254 nm           |
| 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® Workstation-Laminar Flow

### 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.   |
|--|----------------------------|------------|
| <br><a href="#">GuardOne® Laminar Flow 32" (80 cm)</a><br><b>Dimensions:</b> 32 in (80 cm)<br> <a href="#">Create PDF Data Sheet</a>   | 1 Piece (1 Pack × 1 Piece) | S8040-0000 |
| <br><a href="#">GuardOne® Laminar Flow 48" (120 cm)</a><br><b>Dimensions:</b> 48 in (120 cm)<br> <a href="#">Create PDF Data Sheet</a> | 1 Piece (1 Pack × 1 Piece) | S8040-0001 |

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## Accessories

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

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