

# Product Data and Specifications

## Economical Work-Space Environments

We offer a comprehensive line of Clean Bench and Workstation models incorporating either HEPA or ULPA air filtration systems. These units provide practical and economical work-space environments for use in pharmaceutical or hospital applications such as isolating a manufacturing process or for conducting research.

### Table Top, Stand-up, or Sit-down

Choose from table top, stand-up, or sit-down versions. They are offered in a variety of materials for controlling airborne contamination within a small space.

## Vertical and Horizontal Flow Combinations

Clean Benches and Workstations are available in an almost endless array of vertical and horizontal flow combinations. We can help you choose the combination that suits your particular application. We offer products designed to accommodate the most stringent clean room conditions as well as systems engineered for applications requiring a lower level of cleanliness.

For more information, consult with a CRI representative in your area or call our factory Sales Department.

A variety of factory-installed options are available; or units can be customized to meet your unique requirements.



E Series Vertical Flow with  
Vinyl Strip Curtain



Front Intake Horizontal Flow  
Clean Bench with Top Shroud



E-Series Vertical Flow Clean  
Bench with Acrylic Back and  
Side Panels

## Built To Order

Designing flexible solutions is standard at Clean Rooms International. If you have a unique problem, we have the expertise required to solve it. We'll develop a creative solution for adding clean air, extracting contaminants, isolating a major problem area, and more.

Unlike companies that offer either commodity products or custom installations, we do both.

This allows our engineering staff to meet your requirements with maximum efficiency and expertise.

Everything we do in this area is customer driven. Working with us to control an environment is limited only by your imagination.

Consult with your area representative or our factory on your next project.

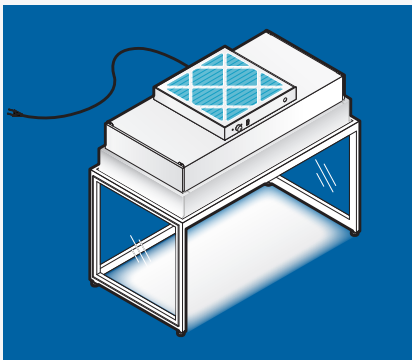


Table Top  
Work Station



Modular Horizontal Flow  
Clean Bench



Vertical Flow  
Clean Bench



Built To Order  
Clean Bench



Front Intake Horizontal Flow  
Clean Bench with Top Shroud



Horizontal Flow  
Clean Benches

# Product Data and Specifications

## General Information

A Horizontal Flow Clean Bench, as pictured, provides Class 100 HEPA filtered air in a horizontal flow pattern across an isolated inspection table. The Inspection Table is independent from the Clean Bench for vibration-free applications.

## Inspection Table

Isolation Inspection Table (as shown) utilizes a back-lit translucent acrylic work surface on a powdercoated frame.

## Air Flow and Filtration

Air is taken into the unit through a pleated type, disposable prefilter rated at 30% ASHRAE

efficiency, then passes through the final HEPA or ULPA filter. The standard HEPA filter is 99.99% efficient @ 0.3 micron or larger. The ULPA grade filter is 99.9995% efficient @ 0.12 micron and is available as an option. Final filters are easy to replace from the front of the unit.

## Magnehelic Gauge

A panel mounted Magnehelic gauge monitors HEPA filter static pressure. Pressure increases in correlation with a dirty filter indicate that a new HEPA filter is required. Filter life is dependent on frequency and type of use of the clean bench.

## Clean Bench Lighting

All models are equipped with a 4-lamp light fixture, 120 volt, 60 hz with a T8 electronic ballast.



Horizontal Flow Clean Bench with Isolated Inspection Table

Features Independent Inspection Table Independent From Bench

Fluorescent light tubes are not furnished with the units because of potential breakage during shipment.

### Filtered Air

Incoming Air passes into two (2) prefilters and is filtered through a HEPA final filter.

### Construction

Clean Bench frames are white painted steel tubing with adjustable leg levelers and clear acrylic side panels. Side panels slide out for easy cleaning.

### Ordering Information

Mfg. Code	Description
13014	Horizontal Flow Bench, 115V
13015	Inspection Table with Lights

### Electrical

Standard voltage is 115 volts with 208-230 (50/60 hz) and 277 (60 hz) volts available as options. An On/Off switch and Variable Speed Control are located within easy reach of the operator.

All 115 volt models are equipped with a 8 foot power cord and 3 - prong plug. Other voltages require electrical connection to the power source by a qualified electrician.

### Replacement Filters

Mfg. Code	Description
302130	HEPA CRF Filter, 99.99% efficiency @ 0.3 micron (Standard)
302131	ULPA CRF Filter, 99.9995% efficiency @ 0.12 micron (Optional)
309803	Prefilter 16" x 25" x 1" (2 Required)

Horizontal Flow Clean Bench  
With Isolated Inspection Table

