

## Cleanroom Benches

### IAC 5000 Series Cleanroom Benches



The 5000 Series is constructed with 1" x 3" all-welded tubular frame, 2" x 2" tubular steel legs and 1" x 3" tubular steel beams for maximum load capacity. There are no dust collecting areas on the frames.

The worksurface features 1-3/16" solid core industrial grade particle board and a choice of standard or ESD laminates. All tops are sealed, with standard laminate on the bottom.

5000 Series is a knocked down (KD) design that when assembled has the same anti-contamination features as an all-welded frame. The worksurface is fully sealed (class 100) and the worksurface support frame is installed at the factory ensuring sealed attachment points. The new knocked down design includes mechanical adjustable height leg extenders with a tubing leg seal to prevent particle contamination.

Length	Height	Depth	Standard Laminate	ESD Laminate
48"	30"	30"	1003701	1009701
		36"	1003711	1009711
60"	30"	30"	1003702	1009702
		36"	1003712	1009712
72"	30"	30"	1003703	1009703
		36"	1003713	1009713
96"	30"	30"	1003705	1009705
		36"	1003715	1009715

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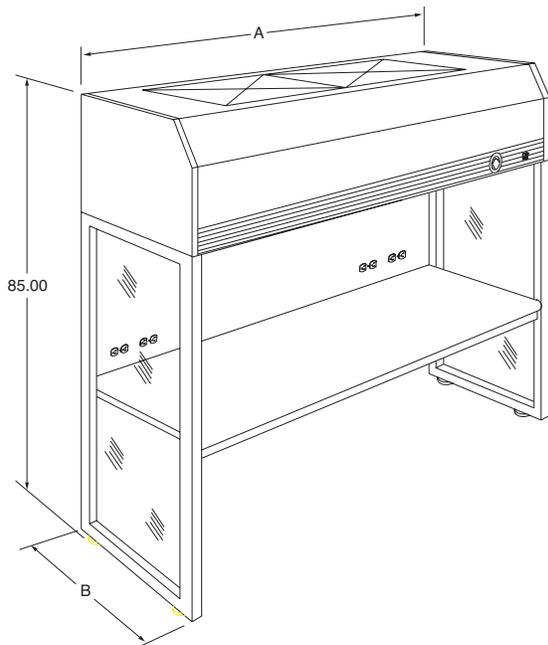
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## Isles AirClean Workstations

### IAC Vertical Flow Stations

Isles AirClean workstations are engineered and manufactured with attractive contemporary styling and the highest quality construction. Recommended for any Class 100 requirement that does not produce by-products that can contaminate the worker or production area. VFS workstations are quickly bolted together for fast, easy assembly. The worksurface height is infinitely adjustable along the support grooves to meet a wide range of heights. All worksurfaces include cleanroom seal.

The versatility of the VFS allows them to be set up individually, in rows or in back-to-back double rows. Laminar flow units are constructed of cold rolled steel for durability and finished with electrostatically applied, clean-approved powder coating for long-lasting performance.



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A Length	B Depth	Standard Laminate	ESD Laminate
50"	26"	VFS-II 424	VFS-II 424 ESD
	32"	VFS-II 430	VFS-II 430 ESD
	38"	VFS-II 436	VFS-II 436 ESD
62"	26"	VFS-II 524	VFS-II 524 ESD
	32"	VFS-II 530	VFS-II 530 ESD
	38"	VFS-II 536	VFS-II 536 ESD
74"	26"	VFS-II 624	VFS-II 624 ESD
	32"	VFS-II 630	VFS-II 630 ESD
	38"	VFS-II 636	VFS-II 636 ESD
98"	26"	VFS-II 824	VFS-II 824 ESD
	32"	VFS-II 830	VFS-II 830 ESD
	38"	VFS-II 836	VFS-II 836 ESD

#### ordering tips from IAC...

Consult factory for application assistance. See page E-4 for a long list of standard features.

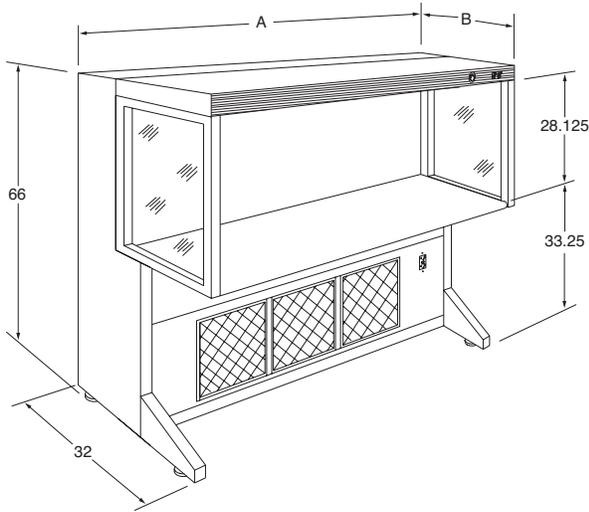
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## Isles AirClean Workstations - Cont.

### IAC Horizontal Flow Stations

Recommended for sterility testing, tissue culture studies, electronic parts assembly and any Class 100 requirement that does not produce by-product that can contaminate the worker or production area. Horizontal laminar airflow provides the ultimate in product protection, since the worker is always downstream of the work area. HFS Workstations ship fully assembled and semi-crated. HFS flow units are constructed with cold rolled steel for durability and finished with powder coating for long lasting performance. All worksurfaces include cleanroom seal. Benches can be used individually in rows or in back-to-back rows.



A Length	B Depth		
	34"	40"	46"
49.5"	HFS424	HFS430	HFS436
61.5"	HFS524	HFS530	HFS536
73.5"	HFS624	HFS630	HFS636
97.5"	HFS824	HFS830	HFS836

#### Features

See page E-4 for the long list of standard features

## Isles AirClean Workstations Deliver Great Features!

### Apply to Both Vertical and Horizontal Models

*IAC tests all laminar flow units for cleanliness levels before they are shipped in accordance with ISO 14644-1 Class 5 standards.*

**Fans:** Are reverse curve impeller type, direct drive and balanced with static capacity up to 1.2 inches W.G. at rated flow. They are engineered to operate in their most efficient range for quiet, stable performance. Noise levels do not exceed 65 DBA.

**HEPA Filters:** Are 99.99% DOP efficient on particles 0.5 micron and larger. Filters are replaceable.

**Variable Speed Control:** Is installed in the right hand side of the front fan housing for airflow adjustment, to prolong filter life.

**Magnehelic Gauge:** Measures the static pressure built up in the air plenum as the HEPA filter loads up with particles. This gauge tells the operator or maintenance personnel to either adjust the air velocity or replace the filter.

**Electrical Requirements:** 115 volt, single phase, 60 Hz standard, 15 amp.

**Color:** Baked-on powder paint gloss standard. Customer specified, please reference paint card for color options.

**Fluorescent Lighting:** Provides a minimum of 100 foot-candles at the worksurface. Unit is four tube, double pin rapid start. 24" tubes required. (fluorescent tubes not included.)

**Trim:** Customer specified, please reference laminate card for color options.

**Air Velocity:** Averages 90 FPM  $\pm$ 20%. This average is the sum of readings taken in a 1-foot grid pattern across the filter face at a distance of 6 inches.

**Easy Access Prefilters:** Are 1-inch throw-away fiberglass.

**Switches:** For the lights and fans are located at the right hand face of the fan/filter cabinet.