



Vertical laminar flow hood

The BVBI series of low return laminar flow hoods represent the next step forward in product protection. Built with the knowledge gained from 6 decades of life science product manufacturing, Germfree's Vertical Laminar Flow Workstation utilizes a bottom intake which pulls the air down, below the work zone, enhancing the efficiency of airflow within the hood and the surrounding room.

This is accomplished in two ways: First, the low return reduces unwanted upward airflow within the room before it passes into the HEPA filter and onto the work surface. This smoothing of the air contributes to a steady, unidirectional (laminar) flow of clean air over the entire work area and helps provide the first air critical to material and sample cleanliness. Second, by keeping the air return near the bottom of the unit the BVBI facilitates better air circulation and has the potential to improve the overall airflow within a properly designed laboratory / cleanroom.



Equipment pictured may include custom or optional features

Application

Germfree's Vertical Laminar Airflow Workstation with Bottom Intake has been designed to provide an efficient platform for maintaining material and sample cleanliness. Each unit is constructed from 100% stainless steel, ensuring cleanliness and durability. The unidirectional (laminar) airflow system maintains ISO Class 5 / Class 100 air quality under dynamic conditions. The vertical airflow improves operator comfort by moving the air away from the user during operation.

- Laboratory
- Cleanroom
- Biotech



Testing, warranty, and support information

- Equipment and HEPA filters are Factory Acceptance Tested (FAT) prior to shipment, meeting EN guidelines and an airflow test prior to shipping.
- Independent 3rd party certification on-site is recommended prior to operation.
- An operation and maintenance manual is included
- Germfree Standard equipment carries a 2 year parts warranty. Consult a Germfree Expert for more information.

Specifications

Standard features

- **All Stainless Steel Construction**
Interior coved corners and radiused bends for easy cleanup, both inside and out.
- **Stainless Steel Framed Acrylic Panels for Maximum Visibility**
Clear and open design allows for maximum visibility throughout and around the unit.
- **External Fluorescent Lighting**
Bright lighting delivers maximum visibility to the work area for process and cleaning.
- **Spillguard to Protect HEPA Filter**
Germfree's proprietary design protects the HEPA Filter and enhances unit cleanability.
- **Cleanroom-Compliant Prefilter**
Increases the life of the front-loading HEPA Filter while reducing particulates inside the cleanroom.

Electrical

- **System requires 115V, 60Hz, 15-amp (220V, 50-60Hz system available)**
- **Separate lighted power ON/OFF indicator switches for blower and lighting**

Model	Overall Dimensions			Work Area Dimensions		
	w	D	H	w	D	H
BV-3SSRX	36 1/8"	38"	76 1/4"	33 1/8"	28 1/2"	30 3/4"
BV-4SSRX	49 1/4"	38"	76 1/4"	45 1/4"	28 1/2"	30 3/4"
BV-6SSRX	73"	38"	76 1/4"	69 1/4"	28 1/2"	30 3/4"
BV-8SSRX	96 1/8"	38"	76 1/4"	93 1/8"	28 1/2"	30 3/4"

Equipment checklist

Asterisk (*) denotes optional

CONFIGURATIONS

- GENERAL
 - Stopcock
 - Air
 - Gas
 - Vacuum
- ACCESSORIES
 - Power
 - Duplex outlet

- Data
 - Sealed data port
- Other
 - Bin cart for storage
 - Low flow alarm w/ digital gauge
 - Vacuum

- STAINLESS STEEL STAND
 - Height
 - 30" 36"
 - Options
 - Hydraulic lift stand
 - Locking cleanroom grade casters

ELECTRICAL

- Voltage
 - 120v 240v 230v
- Frequency
 - 50Hz 60Hz
- Plug type: _____
- Cord length: 10'
- Custom*: _____

