

40" IV Hood - Portable Clean Room



Model # SS-340-IV

IV Hoods, or portable clean room hoods, provide a positive pressure enclosure to protect the product from cross-contamination of airborne particulate. **IV Hoods** supply reduced particulate air to the work space creating up to an **ISO Class 5 Clean Room environment** suitable for **IV Bag preparation**. Healthcare professionals should prepare IV bags in a sterile environment in order to produce the highest quality product as well as safeguard patients' health and safety.

IV preparation entails compounding medication, vitamins, and supplements into an intravenous fluid to be supplied directly to the bloodstream. IV or infusion therapy has grown in popularity for outpatient services and offers immediate therapeutic responses to treat a variety of medical conditions.

To protect the product and patient, medical professionals must follow best practices for IV preparation. The FDA does not regulate IV bag preparation but suggests following the USP 797 guidelines. USP 797 specifies best practices as *following aseptic techniques and utilizing a vertical laminar flow hood that furnishes ISO Class 5 clean air*. **IV Hoods**, or laminar flow hoods, offer a solution for safe IV preparation.

The **40" Wide IV Hood** creates a clean work enclosure for IV bag preparation through a positive pressure or vertical laminar flow pattern. A vertical laminar flow pattern forms when the system draws in ambient air through the dual stage filtration system supplying clean air to **IV Hood**. The dual stage filtration system contains a pre-filter and choice of the main filter – **HEPA filter** which offers up to 99.97% efficiency on particles down to 0.3 microns or **ULPA filter** which maintains up to 99.995% efficiency on particles down to 0.12 microns. The **40" IV Hood** features a stainless steel IV bag rod for convenient and sterile temporary storage.



40" IV Hood



IV Hood with IV Bags (18" Model Shown)

Product Features

- **Includes:** variable speed controller (115V only), clear anti-static vinyl curtains, LED light, and stainless steel IV bag rod (10 hooks)
- **Optional:** UV light, Magnehelic Gauge, hour counter, and removable spill tray
- **Standard Sizes:** 18", 24", 30", and 40"
- Quiet operation
- Simple, quick "no tool" filter change
- Reliable and low maintenance operation
- Long filter life



Stainless Steel IV Bag Rod (7 hooks shown, 10 hooks on 40" model)

Positive-Pressure Clean Room

Product Specifications



Shown with outer dimensions.
Dimensions are approximate.

Hood Dimensions (D x W x H)	Outer: 24" x 42" x 25" Interior: 23.5" x 40" x 24" Access Area: 8" x 40"
Hood Material	Sides: 0.25" white acrylic Base: 0.5" white high density polyethylene Top: 0.5" clear polycarbonate Front Window: 0.25" clear polycarbonate
Blower Dimensions	15.5" L x 13" W x 14.5" H
Blower Material	16 Ga. carbon steel with polyurethane epoxy coating on all surfaces
Weight (approximately)	115 lbs
ISO Classification	up to ISO Class 5
Air Volume (approximately)	MERV 8 Pre-Filter and HEPA Filter: up to 350 CFM
Electrical	115/1/60, 2 amps 220/1/50, 0.75 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level	55 dba (at 3' from hood inlet)
Pre-Filter	MERV 8 Pre-filter
Main Filter Options	HEPA (up to 99.97% efficiency on particles down to 0.3 microns) ULPA (up to 99.9995% efficiency on particles down to 0.12 microns)
Warranty	Limited three-year warranty from date of shipment on defects due to materials or workmanship.
Patent #	5,843,197

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