

# ***Purolator Filtration Systems***

## ***Cleanrooms All Products Bulletin***

### **MICROPAK™ Permanent Hood**

#### **Room Side Replaceable Gel Seal HEPA or ULPA Filter Unit**

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The Purolator MICROPAK Permanent Hood (MPPH) is a supply hood designed for cleanrooms requiring clean air from Class M6.5 (100,000) to Class M1.5 (1). A gel seal filter can be installed or removed from the Cleanroom side without removing or disturbing this innovative hood assembly.

- For use in cleanrooms that are certified frequently, and where minimal downtime is critical.
- For use with Purolator's MICROPAK Mini Pleat filter design (2" and 4" pak depths).
- Constructed of .063" aluminum or stainless steel, with welded and caulked seams.
- All hoods are tested for leakage before leaving the factory.
- Filter efficiencies from 99.99% on .3 micron to 99.9995% on .12 micron



### **MICROPAK Disposable Hood**

#### **Disposable Ducted Supply Module for HEPA or ULPA Filters**

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The Purolator MICROPAK Disposable Module (MPDM) is a ducted supply module designed for cleanroom applications.

- For use in cleanrooms, labs or any controlled area requiring clean air from Class M6.5 (100,000) to Class M1.5 (1).
- Disposable module constructed from anodized aluminum on the filter cell side, with a mil finish aluminum plenum back.
- Standard grille is 62% open, white (painted).
- Ribbed inlets to prevent the flex duct from slipping off.
- Filter efficiencies from 99.99% on .3 micron to 99.9995% on .12 micron



### **MICROPAK Permanent Economy Hood**

#### **Room Side Replaceable Gel Seal Filter Unit for HEPA or ULPA Filters**

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The Purolator MICROPAK Permanent Economy Hood (MPPE) is a supply hood designed for cleanrooms requiring clean air from ISO Class 4 (Class 10) to ISO Class 8 (Class 100,000). A gel seal MICROPAK filter can be installed or removed from the cleanroom side without removing or disturbing the hood assembly.

- Constructed of anodized, extruded aluminum with a bare mil finish aluminum plenum back.
- Constructed from anodized aluminum on the filter cell side, with a mil finish aluminum plenum back, and the seams sealed with silastic caulking.
- Distribution plate provided to disperse the supply air, with adjustments made through the filter centerboard.
- Filter efficiencies from 99.99% on .3 micron to 99.9995% on .12 micron



## **PURO® Fan Filter Unit** HEPA & ULPA Fan Filter Module

The Purolator PURO Fan Filter Unit (PFFU) module is a geometrically low profile, self-powered HEPA filter fan unit that delivers up to 800 CFM of ultraclean air. Its low profile and modular design provide access to areas with limited overhead clearance. Ideal for all applications requiring cleanliness levels of ISO Class 4 (Class-10) to ISO Class 8 (Class-10,000).

- Anodized aluminum filter frame with rigid aluminum blower housing.
- Unique securing fastener provides an airtight seal between HEPA and housing.
- For use with a sealed MICROPAK mini-pleat HEPA filter.
- Filter efficiencies from 99.99% on .3 micron to 99.9995% on .12 micron



## **MICROPAK Mini Pleat** HEPA & ULPA Filters

The Purolator MICROPAK Mini Pleat (MPMP) filter is a separatorless filter pack available in two filter pak depths (2" and 4"), with various frame styles and sizes. The MPMP is designed for cleanrooms, labs, or any controlled area requiring clean air from Class M6.5 (100,000) to Class M1.5 (1), and can be used in cleanbenches, specialty holding frames and specialty framing systems.

- Filter design features a thermal plastic separator, assuring the integrity of the filter pack.
- Frame choices: Anodized aluminum or stainless steel.
- Filters are sealed into the frame with fire-retardant urethane.
- Mini-pleat design eliminates aluminum separators and media-to-media contact with our thermoplastic separator.
- MICROPAK Mini Pleat filters can be tested on our state-of-the-art automatic scanner utilizing PSLs as an upstream challenge.
- Filter efficiencies from 99.99% on .3 micron to 99.9995% on .12 micron



## **MICROPAK Family**

Purolator offers a wide range of filter extrusions to replace competitors' filters. Purolator also makes non-standard and custom filter sizes for your Cleanroom hoods, housings, and grid systems.



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