

HEPA Filters

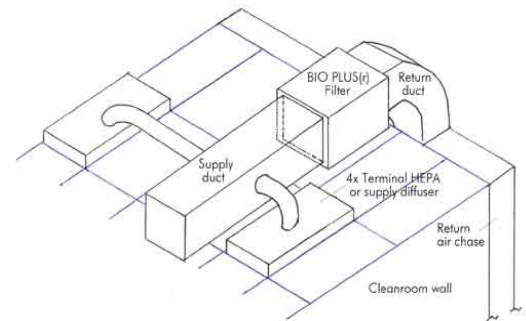
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BIO PLUS® In Duct HEPA Filters

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- Series 1000 HEPA filter elements for [Air Handling Units \(AHU's\)](#)
- Series 1000 Multiple HEPA Filters [AHU housings](#)
- Series 1000 Ultra Low PD, Series 2000/3000 In-Duct HEPA Filters



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ALSO SEE TYPICAL SECTION FOR CLASS 1 ROOM BELOW

BIO PLUS® In Duct Filters provide the following benefits:

- **Ultra Low Energy Consumption** - Lowest pressure drop in the industry
- **Bactericidal** - Lower Bioburden cleanrooms - (see [Downloads](#))
- **Lower Maintenance Costs** - Three times longer life than conventional HEPA's.
- **Protect terminal cleanroom filters** - This is essential since HVAC systems can introduce contamination, which can clog or damage terminal filters. With EEF In Duct Filters, terminal filters should never require replacement or maintenance. Only the In Duct EEF filter needs replacement - **cleanroom not contaminated during filter change.**
- **Enable 99.999999 % system filtration efficiency** - double HEPA filtration possible due to the

lower pressure drop of the primary **BIO PLUS®** filters. This eliminates the need for ULPA or better filters.

- **No terminals required for ISO Class 6 and above** - The **BIO PLUS®** filters provide the necessary filtration for such applications. Only blank ceiling diffusers are required for these applications.
- **Lower Energy Consumption - Unlike FFUs, they enable Flowrate/Ceiling Coverage independence** - Higher performance at lower airflow rates. Also enables double HEPA filtration which in turn also enables lower airflow rates. (See [Energy Efficient Design ppt](#))
- **Eliminate need for expensive customized air-handlers** with customized HEPA/ULPA filters and customized coil velocities.
- **Eliminate potentially leaky and expensive plenums.**
- **Lower noise** - due to high quality 3 phase efficient industrial motors - located away from the cleanroom ceiling.
- **Prime air mover** - Our fan powered units provide all the power needed for the cleanroom airflow. No booster fans required as in the case of FFUs.
- **Filters replaced externally** - less down time and total protection of cleanroom processes and equipment.

BIO PLUS® filters are ETL listed in accordance to UL standards.

[\[Click Here for 3D Example of Cleanroom Distributed Air-handling\]](#)

The Distributed Airhandling System

