



Pharma Grade Radial Flow Plug-In HEPA Inserts



M.C. Air Filtration manufactures an extensive range of HEPA filter inserts to meet the stringent requirements of the nuclear, pharmaceutical and biotech industries.

M.C Air Filtration manufactured Pharma grade plug-in HEPA inserts in a range of standard sizes and from various material combinations.

Standard range: 75, 160, 280, 470 & 950 l/sec

We also produce 950 & 470 l/sec Type I (low temperature combustible) & Type II (high temperature non-combustible) inserts compliant with all recognised Atomic Energy Standards and specifications including AESS 30/95100.

Materials of Construction:

- End caps & seal rings:** Vacuum formed polypropylene with nylon inserts, pressed carbon steel with a high temperature corrosion resistant paint finish or stainless steel
- Retaining grids:** Perforated polypropylene, expanded steel with a high temperature corrosion resistant paint finish or stainless steel.
- Filter medium:** Non-flammable, water repellent, microfine glass paper formed into a loose pleat annulus with bonded glass thread spacers to provide positive pleat separation.
- Bond:** Media pack and protective grids are sealed to the end caps with polyurethane or high temperature cement.
- Gasket:** Internal mechanically sealed silicone rubber lip seal 3mm thick.

Performance @ rated duty.

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|-----------------------------|--------------------------------------|
| Minimum integral efficiency | 99.997% in accordance with BS 3928 |
| Clean pressure drop | 280 Pascal when vented to atmosphere |
| Maximum dirty pressure drop | ≤1000 Pascal |
| Burst pressure | ≥3000 Pascal |



Quality Control:

All M.C. Air Filtration HEPA filters are manufactured and tested under strict quality controlled conditions in accordance with our BS EN ISO 9001:2008 accreditation.

Each filter is individually factory tested and allocated with a unique serial number for future traceability.

Alternative sizes, specifications and materials of construction may be available; please contact our Sales office to discuss your specific requirements.

We reserve the right to change product specification without notice

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