



## In Line Canister HEPA Filters

M.C. Air Filtration manufactures an extensive range of filters, filter housings and mobile filtration units to meet the stringent requirements of the nuclear authorities within the United Kingdom.

In line canister HEPA filters are designed and manufactured to meet the requirements of Atomic Energy Standard Specification AESS 30/93450.

They are used in applications associated with the ventilation of glove boxes, small enclosure's, tanks & vessels.

These filters are disposable in-line units.

They are available in a range of standard sizes and with various forms of connection.

Canisters are manufactured as Type II non-combustible units that have been type tested for use at a temperature of 500°C for 10 minutes.

For more detailed information on design and performance please refer to AESS 30/93450.



### Range:

5 l/sec design supplied with either screwed vacuum union or Klein flange connections

25 l/sec design supplied with 4" flange connections

50 l/sec design supplied with 4" flange connections (non-standard size)

### 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

Data sheet 34.19-0812

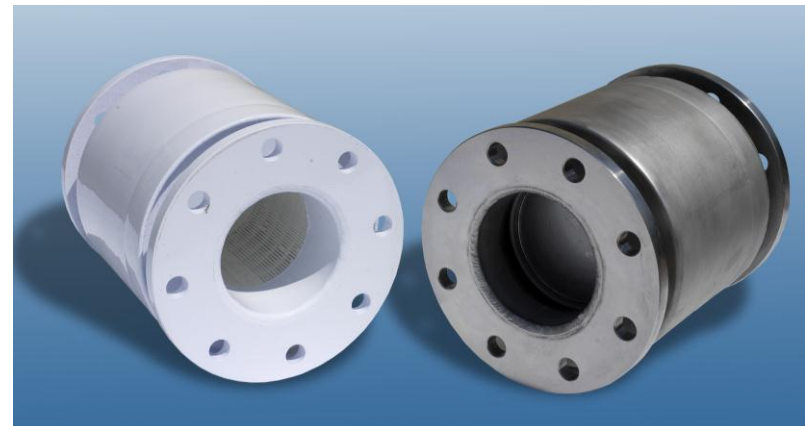
In Line Canister HEPA Filters - Standard range in accordance with AESS 30/93450

Design Duty	Nominal Size (mm)	Pressure drop clean / dirty	Efficiency	Connections	Material of Construction
5 l/sec	168mm $\varnothing$ x 180mm long	325 / 1000 Pascal	99.99% in accordance with BS 3928	Appendix B - 1" screwed vacuum unions* or Appendix C - DN 25 Klein flanges	304L stainless steel
25 l/sec	216mm $\varnothing$ x 255mm long	275 /1000 Pascal	99.99% in accordance with BS 3928	Appendix E - 4" BS10 Table E flanges 4" BS4504 PN16	Mild steel white powder coated or 304L or 316L grade Stainless steel

In Line Canister HEPA Filters - Extended range performing in accordance with AESS 30/93450

50 l/sec	216mm $\varnothing$ x 400mm long	285 /1000 Pascal	99.99% in accordance with BS 3928	4" BS10 Table E flanges 4" BS4504 PN16	Mild steel white powder coated or 304L or 316L grade Stainless steel
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Differential burst pressure > 3000 Pascal  
 Maximum continuous working temperature 200°C.  
 \* screwed vacuum unions are supplied with brass nuts



## Clean differential pressure drop verses flow of the M.C. Air Filtration range of In-line canister HEPA filters

