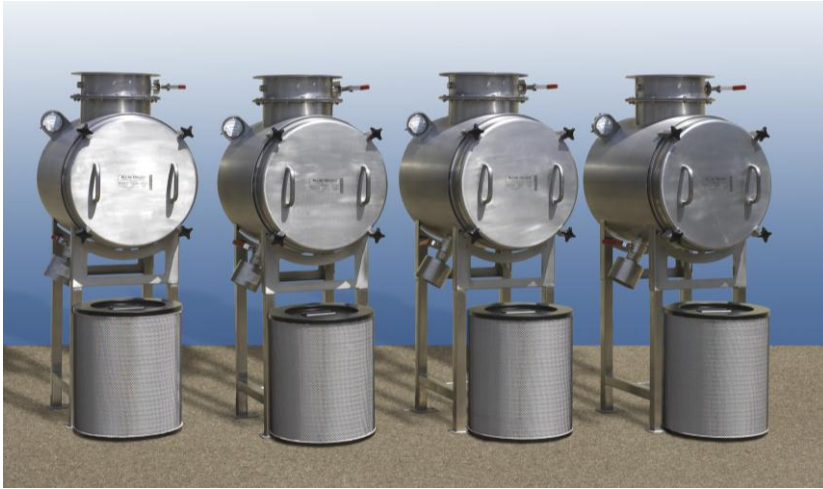




Plug in Bag Change Filter Housings



M.C. Air Filtration manufacture's a range of plug-in bag change filter housings to suit varying applications in both the Nuclear and commercial environment.

Housings are designed, manufactured and factory tested for compliance with AESS, NF & AWSS engineering standards.

Individual plug-in housings are available in a range of sizes to suit normal system duties from 25 to 950 l/sec. Larger duties are accommodated by manifolding individual 950 l/sec housings together to form systems or by utilizing a multi-cell (EP2 style) bag change housing. Individual housings & systems can also be supplied to provide both a primary & secondary filter stages.

Operation:

The Plug-in radial flow bag change HEPA filter housing and radial flow HEPA filter insert were specifically developed for ease of use and to minimize the historical problems associated with the installation, sealing, removal and disposable of the conventional rectangular HEPA filter inserts in square geometry housings

All variations incorporate a cylindrical twin grooved bag change neck designed for ease of use and to improve the speed and safety of filter replacement and provide positive filter sealing without secondary mechanical clamping.

Construction:

Housings are manufactured as pressure tight all welded cylindrical & rectangular assemblies in either white epoxy coated carbon steel or 304 / 316 grades of stainless steel with a bright polished, mat or grit finish.

Design duty (l/sec)	Ductwork Connection size (mm)
950	350 Ø
470	300 Ø
280	200 Ø
160	150 Ø
100	100 Ø
75	50 Ø
25	50 Ø

Connections:

As standard housings are supplied with a pre-defined size of 6 or 8mm thick flat face flange designed to suit high integrity ductwork installations; however they can also be supplied with propriety flanges systems and specialist duct system connections.

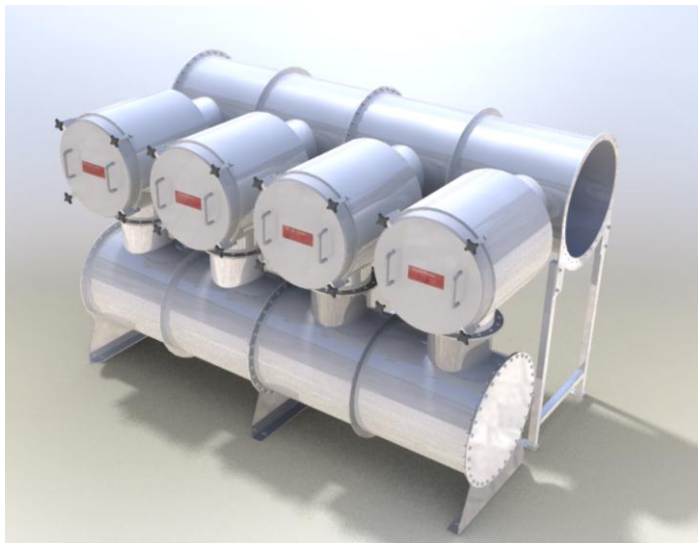
Each housing will incorporate a pair of differential pressure tapping points and can also be supplied with additional tapping points and bosses suitable for venting, draining and the monitoring of air quality.

Working Pressure:

Housings & systems are normally designed & factory tested for use at working pressures upto 6000 Pascal. However we also design, manufacture, & factory test housings compliant with the European Pressure Directive for working pressures up to 12 BarG.

Housings & systems can be supplied with a range of standard options including:

- Supporting steelwork
- Inlet & outlet manifolds & ducts
- High integrity isolation dampers
- Depression relief HEPA venting kits
- Differential pressure monitoring equipment



Quality Control:

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

Each filter insert & filter housing will be 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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