

CYLINDRICAL HEPA FILTERS

High efficiency filters for applications including the electronic, pharmaceutical, chemical & nuclear industries



Cylindrical HEPA Filters

Cylindrical filters offer an alternative to panel filters where this format is more appropriate to the application, for example where a limited face area is available. Close pleated packs are normally moulded into rigid polyurethane circular end caps or encapsulated within preformed painted mild or stainless steel spinnings. Other materials can be specified. The pleated paper is protected on both faces by a mesh screen and sealing gaskets are provided to suit the application.

In most HEPA applications it is recommended that a good quality prefilter is installed upstream of the high efficiency filter to alleviate clogging by coarser particles and so extending filter life. Two stage elements, combining pre-filter and high efficiency filter in one unit, offer a convenient integral filter where space is at a premium.

Combinations of media and various pleated pack arrangements, such as divided bed (split airflow), V-Form and two stage radial flow, extend the options where high efficiency filtration is required. High efficiency filters can be combined with activated carbon cells to provide gas adsorption and particulate filtration within the same unit. As with all EMCEL products, HEPA filters offer flexibility with quality and can be designed and manufactured in any quantity, in the most appropriate configuration and combination to suit individual applications.



The unique EMCEL LEAF SEAL SYSTEM

This flexible leaf seal system, developed and patented by EMCEL for in-line filters, provides excellent sealing properties and overcomes the problems that can arise from the progressive decay in structural stability which can be exhibited by flat face seals. The flexible edge seals do not require tightening down to maintain efficiency, as is often the case with conventional sealing gaskets. Leaf Seal Systems can be moulded into the end caps of EMCEL Cylindrical HEPA Filters. This system is used in the Pharmaceutical, Electronic, Chemical and Nuclear industries and in other critical applications such as Hospitals and Laboratories.

For Dimensions and Technical Data on Cylindrical HEPA Filters please contact our Technical Sales Team.

