

CYLINDRICAL AIR INTAKE FILTERS



Filter elements and caseworks for use on compressor, blower and engine air intakes

EMCEL Cylindrical Air Intake Filters are specifically designed for use on air intakes to protect equipment and processes from harmful airborne dust and particles.

The filters are available in various efficiency grades and can be sized to suit airflow requirements. Replacement filter elements can be supplied to suit existing caseworks. Many elements are re-usable, for example, cylindrical versions of the Emflex and Plipad dual porosity foam filters, and with regular cleaning will give a long service life.

A full range of painted mild steel and stainless steel caseworks are available, with spigots and flanges sized to suit the system specifications.



Typical Performance data based on Emflex and Plipad elements

SPECIFICATION	TYPE H	TYPE S	TYPE LR
Filter Classification	G3 (Arrestance 85%)	G2 (Arrestance 75%)	G2 (Arrestance 70%)
Initial Resistance at 1.5 m/sec (Pa)	105	50	35
Recommended Final Resistance (Pa)	400	400	400
Dust Holding Capacity (g/m ²)	3787	7858	8080

Applications Include:

- Blowers
- Compressors
- Engines
- Process Equipment
- Storage Tanks
- Vacuum Cleaners
- Ventilation Systems

Cylindrical air intake filters are typically designed for airflow from outside to centre, this configuration can be reversed if required. Where dual porosity media is used, the coarser grade is arranged to the outside with the finer grade in the centre, if airflow direction is reversed the media arrangement is also reversed to match.

Where there is a need for filtration of submicron particles EMCEL are able to provide cylindrical HEPA filters with efficiencies of up to 99.997% (individually tested and certified to BS3928). These filters are typically supplied to the nuclear, chemical and pharmaceutical industries.

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