

Rigid Filters

LineAir brand rigid filters for the filtration of fine particles are divided into two large groups according to the technology of pleating of the filter medium, Multibank and Minipleat.

Both types are classified according to the current EN 779, the filter medium being F1 self-extinguishing and complying with the same working conditions, namely by being 100% combustible.

Specifically designed for filtration in workshops, hospitals, the pharmaceutical industry, the food processing industry, the air conditioning and microelectronics industries, as well as for pre-filtration of HEPA filters, they are 100% resistant to humidity and are available in grades from F5 to F9.

Multibank rigid filters



The Long Life series has been specifically designed for those applications where a high quality and high durability filter is required for dealing with high concentrations of dust or for reducing the number of operations of replacement and maintenance at filtration stages. Due to their high-density structure, they make possible a considerable economy of energy attributable to their low loss of initial charge, as well as a high degree of safety resulting from the large pressure differential, which they are able to withstand before the optimum point of replacement.

Due to the deep pleating technology used, these filters possess between 30 and 40 % more filtration surface than the old type rigid filters with aluminium separators.

Minipleat rigid filters



Made from a high density filter medium, minipleat rigid filters incorporate a synthetic air leakage fracture test medium, which renders them much safer than other filters in this category and enables them to operate without deformation up to 650 Pa, compared with 400 Pa filters, which must be replaced more frequently.

Panzer rigid filter



Made using the Minipleat technology and synthetic filter media, specifically designed for new lines of total air recirculation in which long life and high particle accumulation capacity are needed and available in grades from F6 to F9, they represent the ideal solution for new painting lines, which must exhibit maximum of protection of the environment.

Rigid Filters

Key parameters:

- Produced from synthetic materials, avoiding risks of deterioration during installation.
- Leak proof welded filter pockets.

Key characteristics:

- Certified quality: each type of rigid filter has been impartially tested according to EN 779.
- Temperature resistance : up to 60°C.
- Silicon free.
- Resistance to Relative Humidity : up to 100% R.H.
- Fire Resistance : comply with DIN 53 438 F1 level.
- Maximised filtering area.

			
	ECO Mini pleat	Long Life	Panzer
Filter classes	F5, F6, F7, F8, F9	F5, F6, F7, F8, F9	F8, F9
Dimensions	592 x 592 289 x 592 457 x 592	592 x 592 289 x 592 457 x 592	592 x 592 592 x 289
Depth	292	292	450
Typical applications	Filtration in HVAC and air conditioning. Food industry, Chemical industry	Filtration in Industrial applications. Turbo machinery Chemical, Pharmacy and engine plants	Recirculating painting lines and turbo machinery Fleece protection



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