

GAS PHASE CHEMICAL FILTER



- High contamination removal efficiency.
- Standard Dimension.
- Corrosion-free, non-metal construction.
- Fully incinerable
- Free of halogens
- For Fresh Air AHU and Recirculation Units

Construction

GAS PHASE chemical filters consist of filter elements in high impact polystyrene cell sides for assembly in front or rear access standardized universal holding frames or side-access track systems to fit standard dimension filter sections in air handling units. GAS PHASE chemical filters come factory ready for installation. No special tools are needed to install the filter element.

Filter Elements

GAS PHASE chemical filters are designed for effective gas-phase removal of medium and low concentrations of gas-phase contamination in fresh air and recirculation air handling systems. The packs are arranged in a V-shape to utilize max amounts of media for the given face area.



Spontaneity and Yield

GAS PHASE chemical filters ensures a much higher effective active area per kg of media, resulting in a high spontaneity of reaction. Combined with the dense packing of the microstructure, this creates a tortuous path for the contaminant, resulting a high yield for the filter. The construction greatly reduces pressure drop, eliminates by-pass and abrasion. The entire filter can easily be disposed-off and is fully incinerable.

Application Guide

Always use adequate prefiltration to avoid dust settling on the chemical media. This ensures optimized lifetime of the chemical filter system without increase of pressure drop. Prefiltration should be a compact, pleated or mini-pleated filter cell.

Choice of Media

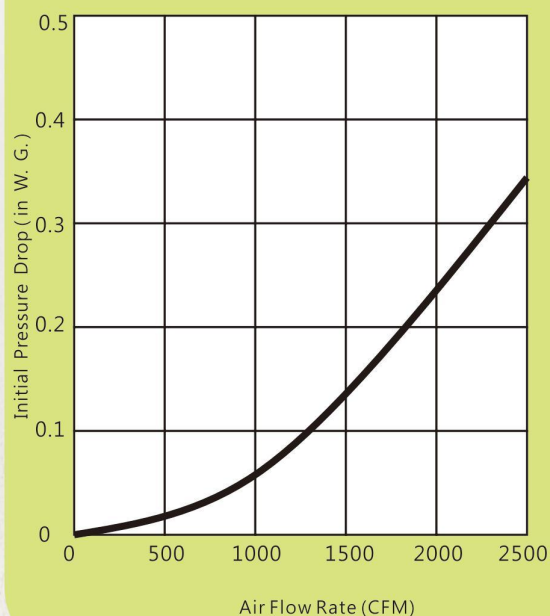
GAS PHASE chemical filters can be supplied with a wide range of gas specific media or custom blends. These include stand FCP media, FAP media, and FDP media.

Type	Application	Contaminants
FCP	Airports,Pharma &	Hydrocarbons
FAP	Food Museums & Libraries	H2S,SOx,NOx, Ammonia
FDP	General Purpose	Wide Spectrum

DIMENSIONS AND PERFORMANCE DATA:

CODE	NOMINAL SIZE W×H×D(inches)	ACTUAL SIZE W×H×D(mm)	Weight (kg)	Airflow (m3/h)	Initial Resistance (Pa)
37FCP2424124V	24×24×12	595×595×292×4v	9	3400	90
37FCP1224124V	12×24×12	287×595×292×4v	6	1700	90
37FAP2424124V	24×24×12	595×595×292×4v	10	3400	90
37FAP1224124V	12×24×12	287×595×292×4v	7	1700	90
37FDP2424124V	24×24×12	595×595×292×4v	10	3400	90
37FDP1224124V	12×24×12	287×595×292×4v	7	1700	90
Maximum operating temperature : under 40 °C Maximum relative humidity : under 70% Cell sides : High Impact Polystyrene Disposal : Incineration					

INITIAL RESTRICTION vs. FACE VELOCITY



ENGINEERING DRAWING

