

SIGMA series - V-Type filters for fine particulate, for ducted airflow

NF / NH

Characteristics	NF	NH
EN ISO 16890-1:2016 Classification	ePM ₁ 55%	ePM ₁ 85%
EN 779:2012 Classification	F7	F9
Final differential pressure EN ISO 16890:2016	300 Pa	300 Pa
Final differential pressure EN 13053-7:2019	The lower value between the initial differential pressure plus 100 Pa, or three times the initial value	
Maximum differential pressure	600 Pa	600 Pa
Maximum operating temperature	70°C	70°C
Maximum relative humidity	100%	100%



V-Type filters with mini-pleat for fine particulate, used in filtration stages for ventilation systems serving critical or contamination-controlled environments. The combination of mini-pleat and V-Type filter technology provides a higher filtering surface area than standard flat filters and, consequently, a longer service life.

MATERIALS AND FINISH

- Galvanised steel frame.
- Fire retardant glass microfibre filter media, ample surface area (mini-pleat).
- Polyurethane-based sealant.
- Thermoplastic separators.
- Two-component, seamless polyurethane gasket.

APPLICATION

Inside air handling unit filtration sections.
In housing systems for air extraction from contaminated environments - Canister Systems (see page 99).
In MODULO model duct housings (see page 98).

VERSIONS

- S AISI 304 stainless steel frame
- ATEX
 - II 2G Ex h IIC T6 Gb
 - II 2D Ex h IIIC T85°C Db
 - with galvanised steel protection grids on the air inlet side
- HT120 high temperature up to a continuous 120°C
- ALPHA for the food industry, only available in the S version (refer to the dedicated catalogue).

ACCESSORIES

GIS GUN seamless two-component polyurethane double gasket, inlet side; EPDM outlet side.

Code	Dimensions [mm]			Airflow rate Q nominal			Filtering surface [m ²]	Initial differential pressure [Pa]	
	L	H	W	[m ³ /h]	[m ³ /s]	[cfm]		NF	NH
52	305	610	292	1800	0,5	1059	13	120	150
5	610	610	292	4000	1,111	2354	26	120	150

