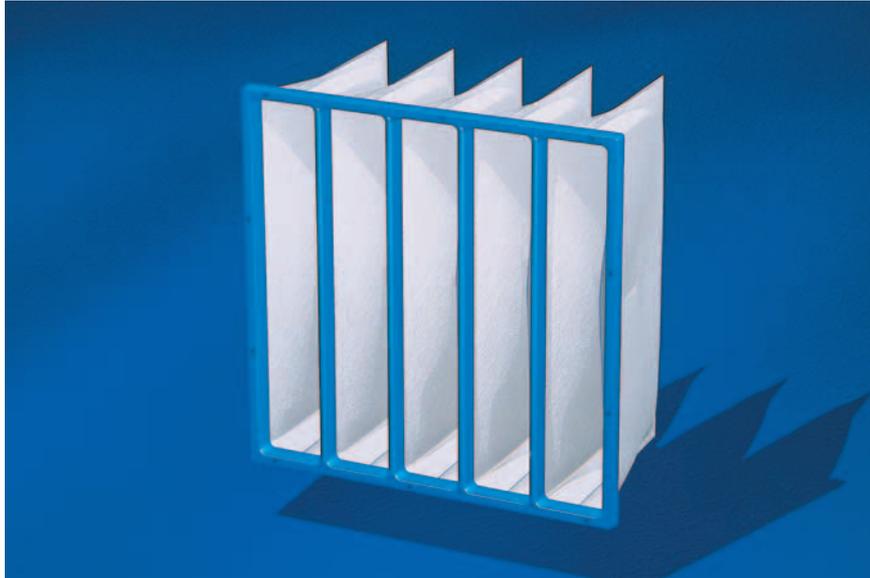


Maximum efficacy – minimum space: Compact Pocket Filters G 35 S and F 45 S Filter Classes G 3 – G 4



viledon®

The application

G 35 S and F 45 S are used for supply, exhaust and circulating air filtration in all kinds of ventilation systems where space is at a premium, e.g.

- ▶ in air-conditioning applications
- ▶ for ventilating machine rooms and production areas
- ▶ for exhaust and circulating air filtration in paint shops
- ▶ as prefilters upstream of fine and ultra-fine filters in industrial processes (metal-working, chemicals, pharmaceuticals, foodstuffs, optics, electronics, etc.), in ventilation/air-conditioning engineering, in paint shops and spray booths, and in turbomachinery.

The special features and benefits

- ▶ As filter media we use **synthetic-organic high performance nonwovens manufactured in-house**.
- ▶ The media are **progressively structured**, i.e. fiber layers arranged in line with the density increasing towards the clean air side, thus ensuring an optimized combination of defined filtration performance and dust holding capacity. The result: **low pressure drop, long useful life, high cost-efficiency**.
- ▶ All Compact pocket filters are **glassfiber-free, non-corroding, moisture-resistant** up to 100% rel. humidity, **self-extinguishing** to DIN 53438 (Fire Class F1) as well as **microbiologically inactive** and **meet all hygiene requirements for HVAC systems to EN 13779**.
- ▶ The **uniformly high quality** of the filters is assured by our **certified quality management system** to ISO 9001 as well as by **type-testing** to EN 779.
- ▶ **Maximized functional reliability** thanks to the leak-proof welded configuration of the filter pockets, foamed in to the polyurethane front frame, and dimensionally stable construction of the filter element as a whole.

G 35 S		1/1	5/6	1/2
▶ Weight, approx.	kg	1.2	1.0	0.8
▶ Front frame	mm	592/592	492/592	289/592
▶ Depth	mm	330	330	330
▶ Number of pockets		5	4	3
▶ Suitable for standard mounting frame	mm	610/610	508/610	305/610
▶ Thermal stability/ temporary peaks	°C	70 80	70 80	70 80

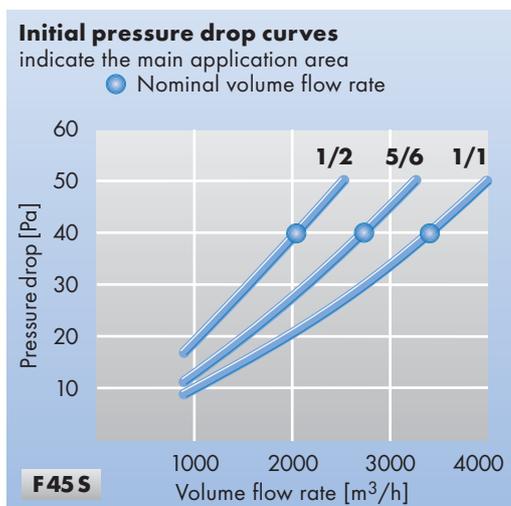
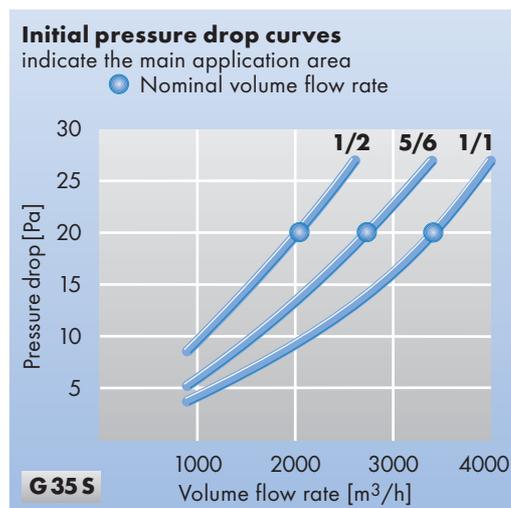
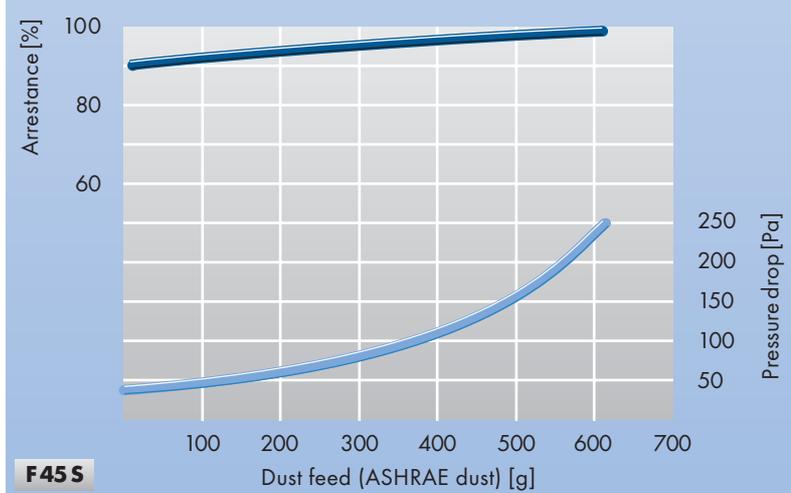
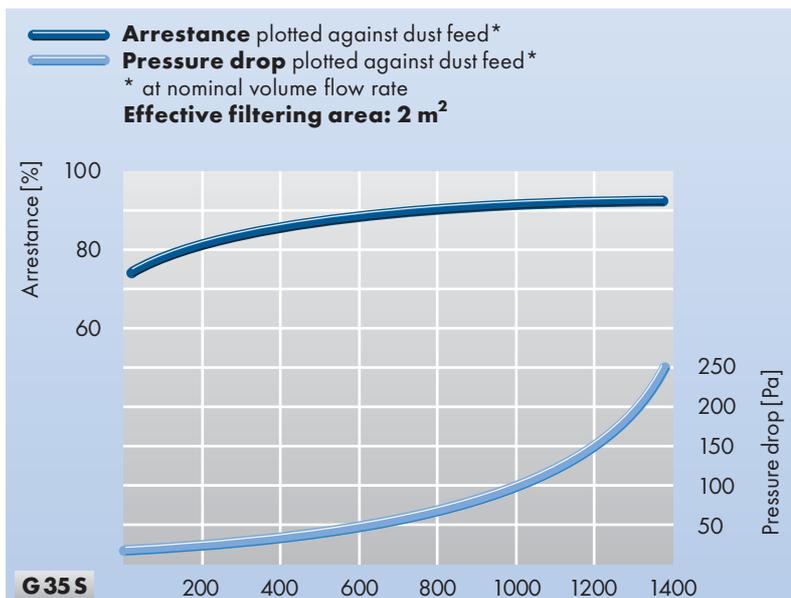
F 45 S		1/1	5/6	1/2
▶ Weight, approx.	kg	1.2	1.0	0.8
▶ Front frame	mm	592/592	492/592	289/592
▶ Depth	mm	330	330	330
▶ Number of pockets		5	4	3
▶ Suitable for standard mounting frame	mm	610/610	508/610	305/610
▶ Thermal stability/ temporary peaks	°C	70 80	70 80	70 80

The extras

- ▶ Stable arrestance for high coarse dust loadings.
- ▶ High functional reliability even under extremely moist and wet conditions.
- ▶ G 35 S and F 45 S, thanks to their shorter pockets, offer a space-saving solution for systems where the G 35 SL and F 40 long-pocket filters would take up too much room.

Freudenberg

Technical filter test data to EN 779



Key data			G 35 S	F 45 S
▶ Average arrestance	A _a	%	86	95
▶ Initial efficiency	E _i	%	< 20	< 20
▶ Face velocity		m/s	2.5	2.5
▶ Nominal volume flow rate		m ³ /h	3400	3400
▶ Initial pressure drop		Pa	20	40
▶ Final pressure drop*		Pa	250	250
▶ Dust holding capacity (ASHRAE dust)		g	1180	590

The figures given are mean values subject to tolerances due to the normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

* For cost-efficiency or system-specific reasons it may be appropriate to change the filters before reaching the stated final pressure drop. It can also be exceeded in certain applications.

Subject to technical alterations.