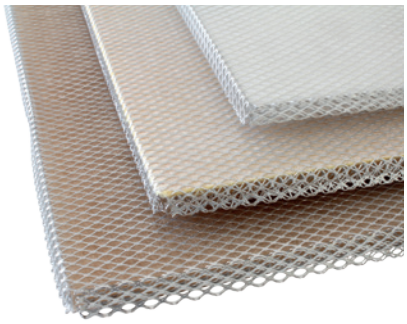
HIGH-TEMPERATURE FILTER PACKS

viledon®

TYPES LH 350, LH 370, LH 1000 AND LH 1000 OV

FILTER TYPE	NOMINAL VOLUME FLOW RATE [m³/h]	TEST STANDARD
LH 350	350	EN 779
LH 370	900	EN 779
LH 1000	750 | 1,000 | 1,250	EN 779
LH 1000 OV	1,000	EN 779



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The application

High-temperature filter packs LH 350, LH 370, LH 1000 and LH 1000 OV are used for filtration of recirculation air in drying booths and drying ovens for surface treatment systems and for the filtration of air and gases at high temperatures.

The media and their characteristic features

- The filter media used for LH 350, LH 1000 and LH 1000 OV is made of a **glass-fiber nonwoven framed in expanded aluminium metal.** LH 350 and LH 1000 have clean air sides that are equipped with an **additional glass-fiber nonwoven layer.**
- All variants carry a type sticker on the clean air side.
- LH 370 consists of a **progressively structured polyester staple-fiber nonwoven** with a scrim on the clean air side in expanded aluminium metal.
- **Fire behavior:** Viledon® filter media satisfy the stringent requirements of Fire Class F 1 according to DIN 53 438 and are thus **self-extinguishing.**

Delivery notes

- High-temperature filter packs can be obtained in standard dimensions of approx. 480 × 480 × 14 mm.
- Customized dimensions upon request.
- The delivery unit is 30 pieces per carton.

FILTER TEST DATA in broad conformity with EN 779*		LH 350	LH 370	LH 1000	LH 1000 OV
Nominal volume flow rate	m³/h	350	900	750 | 1,000 | 1,250	1,000
Initial pressure drop	Pa	75	30	60 | 85 | 120	60
Average arrestance A_a	%	99	99	95 | 94 | 93	92
Recommended final pressure drop**	Pa	250			
Dust holding capacity (AC Fine / 450 Pa)	g	40	75	60 | 75 | 45	100

KEY DATA		LH 350	LH 370	LH 1000	LH 1000 OV
Weight, approx.	g/m²	250	300	300	300
Thickness, approx.	mm	14			
Thermal stability	°C	200	120	300	300
Moisture-resistance (rel. hum.)	%	100			
Fire class (DIN 53 438)		F 1			

* Determining the filter's technical data using an adapter to accommodate the component under test.

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

The figures given are mean values subject to tolerances due to the normal production variations. The accuracy of the data given when applied to individual cases requires our express written confirmation. Subject to technical alterations.

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