

HIGH-TEMPERATURE FILTER MATS

TYPES LH 243, LH 244 AND LH 620

| FILTER TYPE | FILTER CLASS | NOMINAL VOLUME FLOW RATE [m ³ /h] | TEST STANDARD |
|-------------|--------------|--|---------------|
| LH 243 | M 5 | 2,200 | EN 779 |
| LH 244 | M 5 | 2,200 | EN 779 |
| LH 620 | M 5 | 2,200 | EN 779 |



The application

High-temperature filter mats LH 243, LH 244 and LH 620 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 are made of **ultra-fine, homogeneously spun glass-fibers**.
- The clean air side possesses a **special final layer made from glass-fiber nonwoven (LH 243), from glass-fiber nonwoven and grid (LH 620) or from synthetic fiber nonwoven (LH 244)**.
- **Fire behavior:** Viledon® filter media satisfy the stringent requirements of Fire Class F1 according to DIN 53 438 and are thus **self-extinguishing**.

Delivery notes

- High-temperature filter mats can be obtained in rolls up to a maximum of
 - 10×1.5 m (LH 243 and LH 244)
 - 2×1.5 m (LH 620).
- Customized dimensions upon request.
- Available as roll goods or blanks.

| FILTER TEST DATA in broad conformity with EN 779* | | LH 243 | LH 244 | LH 620 |
|---|-------------------|--------|--------|--------|
| Filter class | | | M 5 | |
| Nominal volume flow rate | m ³ /h | | 2,200 | |
| Initial pressure drop | Pa | | 125 | |
| Average efficiency E _a | % | | 46 | |
| Average arrestance A _a | % | | 97 | |
| Recommended final pressure drop** | Pa | | 250 | |
| Key data | | LH 243 | LH 244 | LH 620 |
| Thickness, approx. | mm | | 20 | |
| Thermal stability | °C | 200 | 150 | 200 |
| 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.