

# LH\_R/260 ROLL FILTER



## FOR TRADITIONAL COARSE DUST FILTRATION

FILTER TYPE	FILTER CLASS TO ISO 16890	FILTER CLASS TO EN 779:2012
LH_R/260	ISO coarse 40%	G3



### The filter

The LH\_R/260 filter mat is used for filtration in roll filter equipment.

### The medium and its characteristic features

- The mat is made of high performance nonwoven produced inhouse from polyester fibers with thermal bonding, i.e. without bonding agents.
- The filter medium is progressive in structure, with layers of differing fiber diameters being arranged behind each other so as to ensure that the density of the fiber layers increases towards the clean-air side. This optimizes the defined filter performance and the dust holding capacity, resulting in longer useful lifetime for the filter concerned.

- **Fire behaviour:** Viledon® filter media satisfy the stringent requirements of Fire Class F1 according to DIN 53438 and are self-extinguishing.

### The special features of the LH\_R/260

- The filter mat's clean air side is reinforced by a support fabric to ensure even and reliable advance of the filter material concerned.
- LH\_R/260 is the filter solution for traditional coarse dust arrestance in roll filter systems.

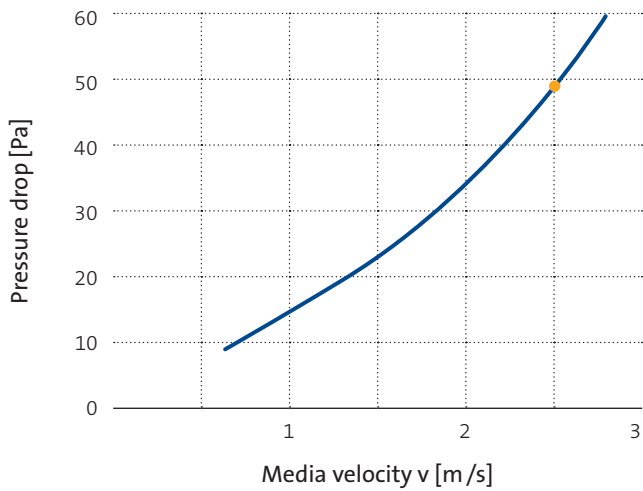
### Our recommendation

From long years of experience, we know that roll filter systems fitted with LH\_R/260 alone are not yet the optimum in air filtration. Cost efficiency and operational dependability, in particular, can be significantly improved by using alternative Viledon® systems. Please contact our experts, who will be pleased to advise you free of charge.

GEOMETRIES AVAILABLE		LH_R/260
Nominal media velocity	m/s	2.5
Weight, approx.	g/m <sup>2</sup>	250
Thickness, approx.	mm	8
Thermal stability	°C	up to 100
Moisture-resistance (rel. hum.)	%	up to 100
Supplied as: ready to install rolls on cardboard sleeves with 35 mm inside diameter or with add. D metal reels	Roll length (m)	20
	Roll width (mm)	810   1,110   1,410   1,710   2,010 D-Spule   1,250
Supplied as: ready to install rolls on cardboard sleeves with 55 mm inside diameter or on C metal reels	Roll length (m)	20
	Roll width (mm)	838   1,143   1,448   1,753   2,058

# TECHNICAL FILTER TEST DATA TO EN 779 AND ISO 16890

## Initial pressure drop curve



— LH\_R/260    ● Nominal media velocity

KEY DATA		LH_R/260
Examination surface	m <sup>2</sup>	0.32
Nominal media velocity	m/s	2.5
Initial pressure drop	Pa	50
Class to ISO 16890		ISO coarse 40%
Initial arrestance	%	43
Filter class to EN 779:2012		G3
Recom. final pressure drop*	Pa	160
Dust holding capacity approx.	g/m <sup>2</sup>	400

\* 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 normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case. Subject to technical alterations. You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.