

# Dust Filter Panels



*Top optimized for most efficient cleaning*



## APPLICATIONS

- Separation of oil and emulsion mist
- Chemical industry
- Minimal lubrication
- Separation of welding fume
- Laser and plasma cutting
- Pharmaceutical industry

## ADVANTAGES

- Capable of bearing high dust loads
- Venturi-shaped openings for efficient cleaning
- High mechanical loading capacity due to robust design
- Long lifetime



# Dust Filter Panels

## FILTER MEDIA

Adjusted to application:  
Non wovens or needle felts made of polyester and other nonstandard media

### Possible Equipments:

- Antistatic
- Oil and water repellent
- PTFE finish
- Microporous finish
- ePTFE membrane

Certified in accordance with DIN EN 60335-2-69 appendix AA, Suitable for the filtration of health hazardous dusts

## FEATURES

- Maximum operating temperature 80 °C
- Metal parts galvanized steel
- Cleanable by compressed air

## SPECIAL TYPES

- Temperature resistant up to 120 °C
- Suitable for ATEX applications of all zones
- Certified for use in food production in accordance with DIN EN 1935, FDA CFR 21
- Metal parts of stainless steel
- Other individual solutions

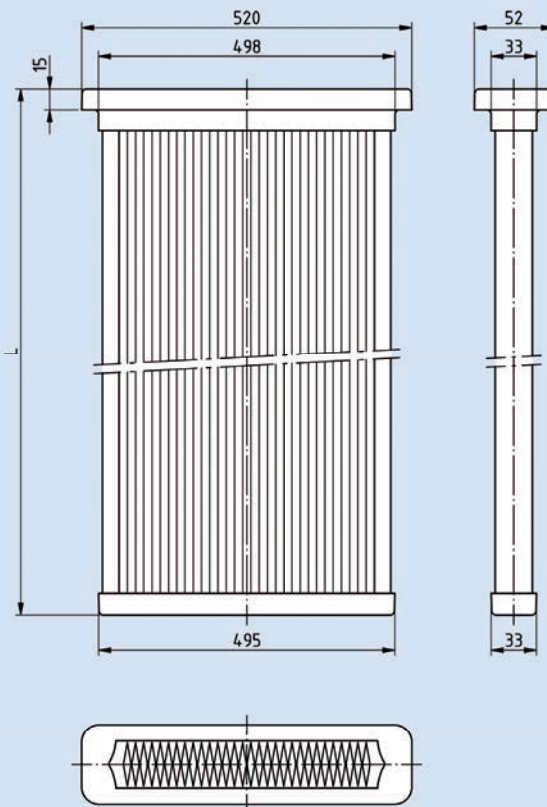
## ACCESSORIES

- Venturi nozzle 310-002-000008
- Gaskets
- Solenoid valves
- Valve control systems

## SERVICE

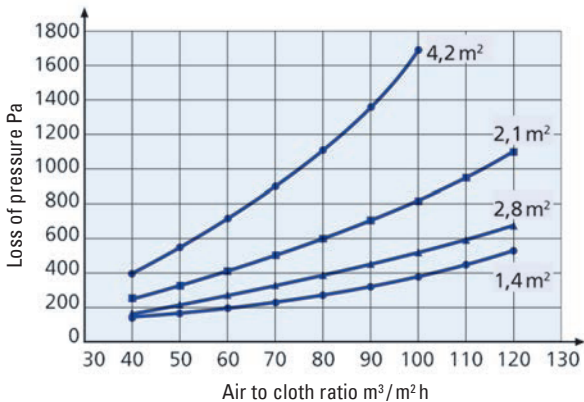
We advise at the selection of the filter element and the best matching filter medium for the application as well as the design of dust collectors.

clean side installation



[mm]	Length L [mm]	Filter area [m <sup>2</sup> ]
520-498	605	1,4
520-498	605	2,1
520-498	985	2,4
520-498	985	3,6
520-498	1205	2,8
520-498	1205	4,2

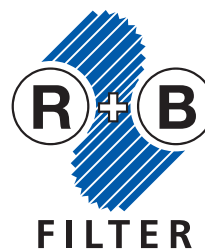
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$p = 5 \text{ bar}$ , Cycle time = 100 s, Pulse time = 30 ms,  $k_{Raw} = 4 \text{ g/m}^3$

## FILTER RESISTANCE CHARACTERISTIC LINES

Pressure loss of the filter panels as a function of air to cloth ratio



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