Sly Contact:	Linus Ridge	Date:	19/09/2011
Client:		Contact:	
Document Title:	Rotary Pre-Filter Unit		

The efficient and space-saving solution for pre-filtration in the textile and nonwoven industries

The automatic Rotary Pre-Filter Unit is ideal as a preliminary filtration stage of larger air streams, heavily charged with waste, coming from the production machines. It is a part of the proven compact centralized air handling system TexPac and optimally combinable with several function modules. This unit captivates by its simple and space-saving design and its reliable functionality.

Features

The pre-filter part with the rotating filter disc and the stationary suction nozzle is integrated in sturdy sheet steel housing. The access is ensured by a lockable service door with big inspection window. The cleaning is effected continuously, with a small air volume, by the suction nozzle. The coarse particles and the fibres sucked off are either conveyed to the disposal station or recycled. A pressure-controlled device protects the filter screen against overloading. By means of selectable parameters, such as mesh size of filter screen, rotation speed, etc., the pre-filter can be optimally adapted to varying operational conditions.

Advantages

- No filter chamber to be provided by customer
- Small space requirement and simple installation
- Individually adjustable to given circumstances
- Applicable even for high negative pressures (up to approx. 3000 Pa)
- Simple monitoring and easy access for control and maintenance
- Reliable operation thanks to continuous suction

Options

- Filter screens available in several types (mesh sizes), also in steel
- Rotation speed of filter disc adjustable during operation for varying operational requirements
- Connection box for pipings

Technical data

Type	**Size A**	**Size B**
Width (mm)	1520	2128
Height (mm)	1520	2128
Length (mm)	912	912
Surface of filter screen (m2)	1.44	3.0
Air flow rate (m3/h)	12 000 –35 000	30 000 –75 000
Nominal suction air flow rate (m3/h)	1500	2200
Nominal pressure loss (Pa)	200 –400	200 –400
Rated output of drive motor (kW)	0.37/0.55	0.37/0.55

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