



Velum

**FAST
PROTECTION**

AIR FILTRATION FOR: [®]EN

**INDUSTRIAL MACHINES
COOLING SYSTEMS
ELECTRICAL MOTORS**



Velum: designed for automation machinery, cooling systems, recycling machines, printers and computers, woodworking machines, PCs, packaging machinery for the food, chemical industry, pharmaceutical and textile industries, refrigeration equipment, robots and CNC machines.



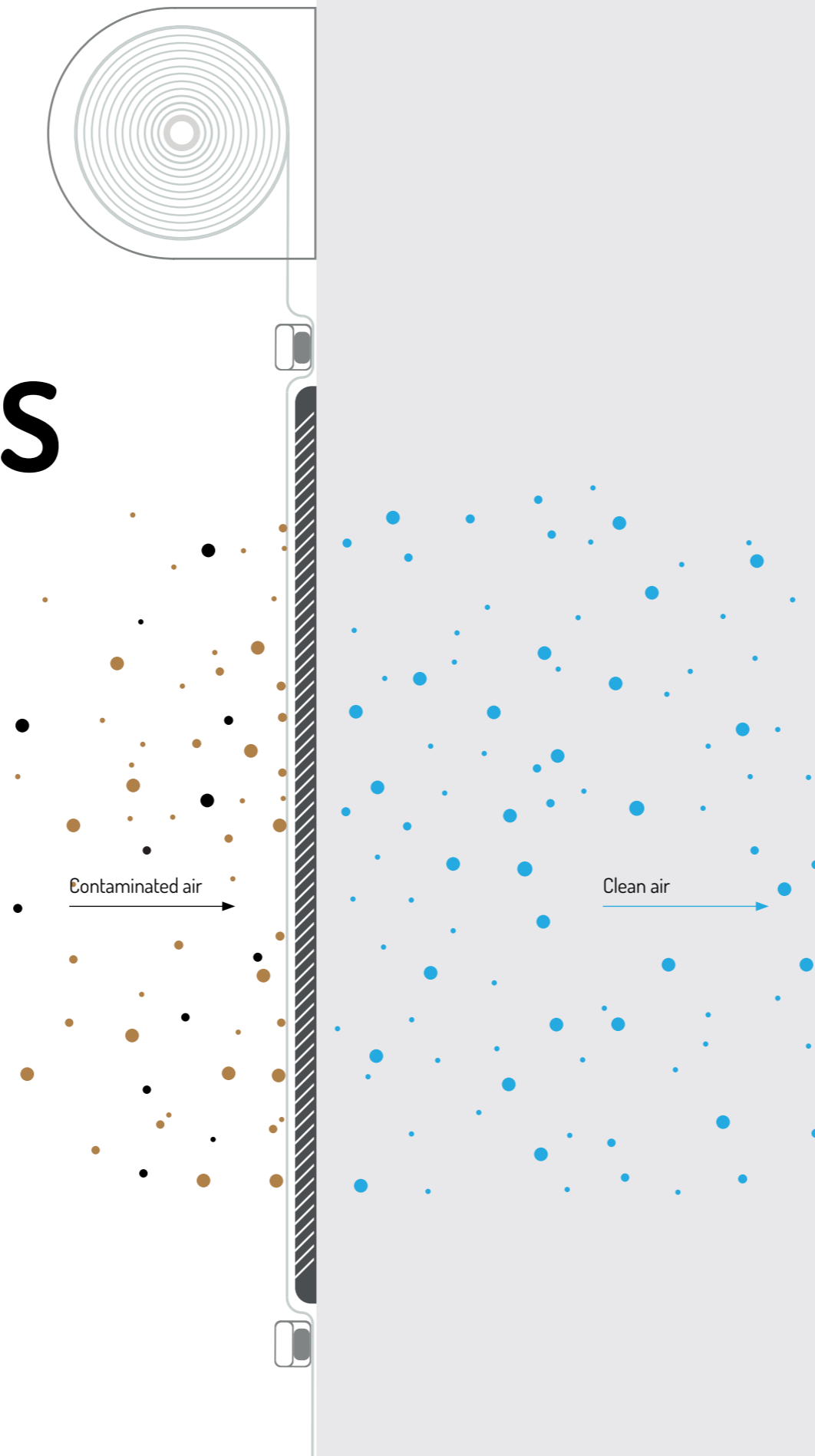
Velum air: ideal for compressors, cooling systems and heat exchangers. Velum Air has a thicker fabric but lower porosity than Velum and is designed to ensure better air flow and prevent overheating.



Velum motor: the perfect solution for the protection of electric motors. With its patented system and reusable holder in polypropylene, this filter can be applied to any kind of electric motor.

VELUM PROTECTS YOUR INVESTMENTS

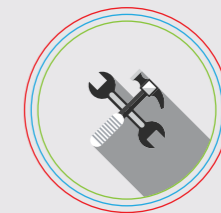
Velum protective filters have been designed by Nitty-Gritty in order to protect electronic equipment for industrial manufacturing facilities, compressors and electric motors from oily mist and dust. These substances block fresh air from going into the machine and cause the malfunction of the internal components.



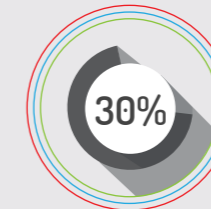
Add value to your machines



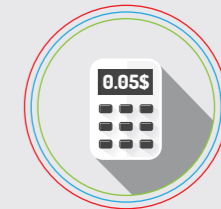
1 velum roll:
2 years
of total protection



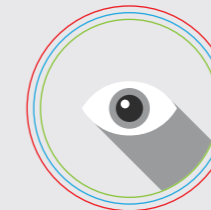
no
downtime



30% savings
on maintenance
costs



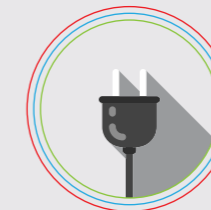
protect
your business
with only 20 cents
per day



visual control
allows you
to change
the filter regularly



it prevents
the spread of
harmful particles

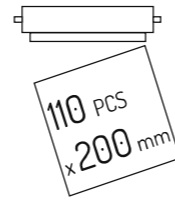


no switch
gear opening



5-second
replacement

FAST PROTECTION FOR INDUSTRIAL MACHINES



Velum protective filter has been designed and realised to protect electric and electronic machines in industrial production plants from dust and oily mist. For their well-functioning and best productivity, all automations, robots and numerical control machines need constant maintenance operations and a regular filter replacement. Urgent deadlines that do not allow downtime, the lack of specialised manpower or even simple omissions may prevent companies from replacing filters regularly.

Velum protective filter is applied externally, directly to the entrance grid of ventilation and cooling systems of the production unit: once applied, Velum gathers and holds dust and oily mist in its patented-knitted fabric and ensures, while protecting the inner filter, the normal passage of fresh and clean air in the machine.

The **Velum** replacement check is purely visual: when the Velum protective filter is covered by polluting agents, you need to replace it. The replacement takes place in 5 seconds and you do not need any specialised manpower, thus avoiding downtimes and cutting down maintenance costs and any missed production costs that may be due to the inner filter replacement.

Velum is easy to apply and allows to efficiently plan the protection of any industrial machine: you just need to write down in the appropriate space the date of your last replacement and the name of the operator who has done it, so to avoid omissions, downtimes or breakdowns due to the missed replacement of the inner filter.

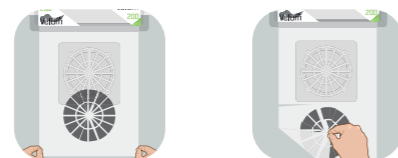
Composition	PLA
Color	White
Thickness	0,14 mm 0,0055 in
Roll lenght	22 m 22ft

Air permeability	4800 l/m2s
Flame retardant	AT type M1
Magnets	2-4

installation



replacement

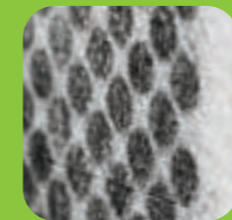


video



Sizes

- 600 mm
23,6 in
- 500 mm
19,7 in
- 400 mm
15,7 in
- 300 mm
11,8 in
- 200 mm
7,8 in



Used Velum

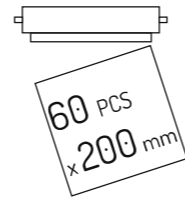


Applied Velum

To ensure the best production efficiency for your machines, replace Velum once a week. A Velum roll consists of 110 sheets: with only 20 cents per day, you can protect your machine for more than 2 years.



FAST PROTECTION FOR COOLING SYSTEMS



Velum Air has a thicker fabric but lower porosity and is designed to ensure better air flow and prevent overheating. It is ideal for compressors, cooling systems and heat exchangers. Velum Air catches dust and dirt in his knitted fabric and ensures the normal input of fresh air inside the machine.

Control for its replacement is visual: when the protective filter **Velum Air** is completely covered by dirt, it must be replaced.

Velum Air is easy to apply and provides an efficient way to protect industrial machines of all kinds: simply write down the date of replacement and name of the operator who carried out the replacement.

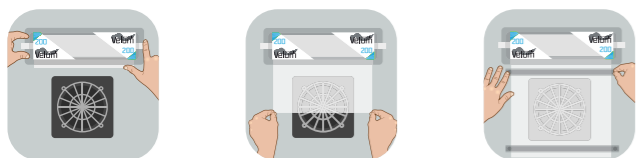
With this system you will avoid omissions, downtime or failures caused by the replacement of internal filters, and the clogging of compressors, cooling systems and heat exchangers.

A roll of **Velum Air** is composed of 60 sheets. A few cents a day will protect your investments.

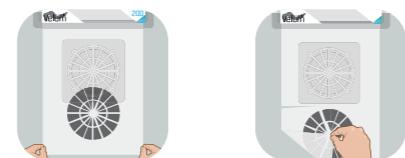
Composition	RAYON
Color	White
Thickness	0,29 mm 0,01141 in
Roll lenght	12 m 472,441 in

Air permeability	5600 l/m2s
Flame retardant	AT type M1
Magnets	2-4

installation



replacement



video



Sizes

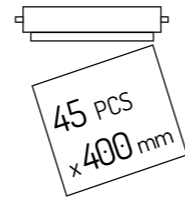
- 600 mm
23,6 in
- 500 mm
19,7 in
- 400 mm
15,7 in
- 300 mm
11,8 in
- 200 mm
7,8 in



Applied Velum Air

Changing the filter takes only 5 seconds and does not require skilled labour; this avoids any downtime, maintenance costs and loss of productivity which would occur when replacing internal filters.

FAST PROTECTION FOR COMPRESSORS



Velum air is available in the XL version for large format machines.

Available sizes are:
 1500 mm 59,1 in
 1200 mm 47,2 in
 1000 mm 39,4 in
 900 mm 35,4 in
 800 mm 31,5 in
 700 mm 27,5 in
 620 mm 24,4 in

We are also available to assess the needs of individual customers and start customized productions.

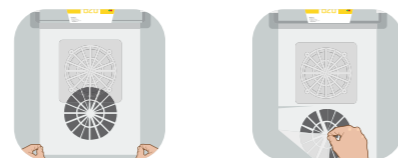


Composition	PES	Air permeability	5200 l/m2s
Color	White	Flame retardant	NO
Thickness	0,31 mm 0,0122 in	Magnets	16-28
Roll lenght	18 m 708,661 in		

installation



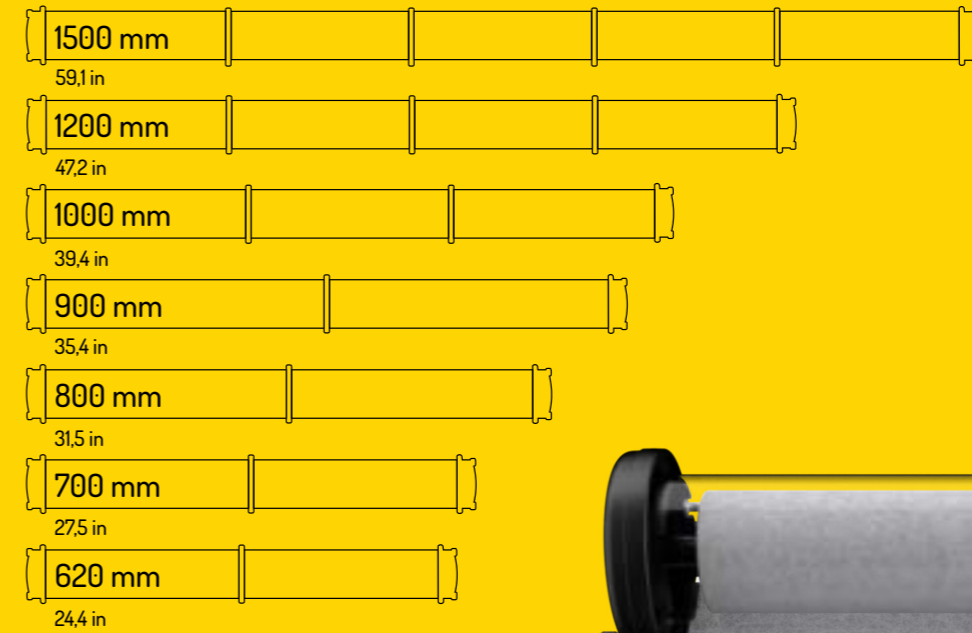
replacement



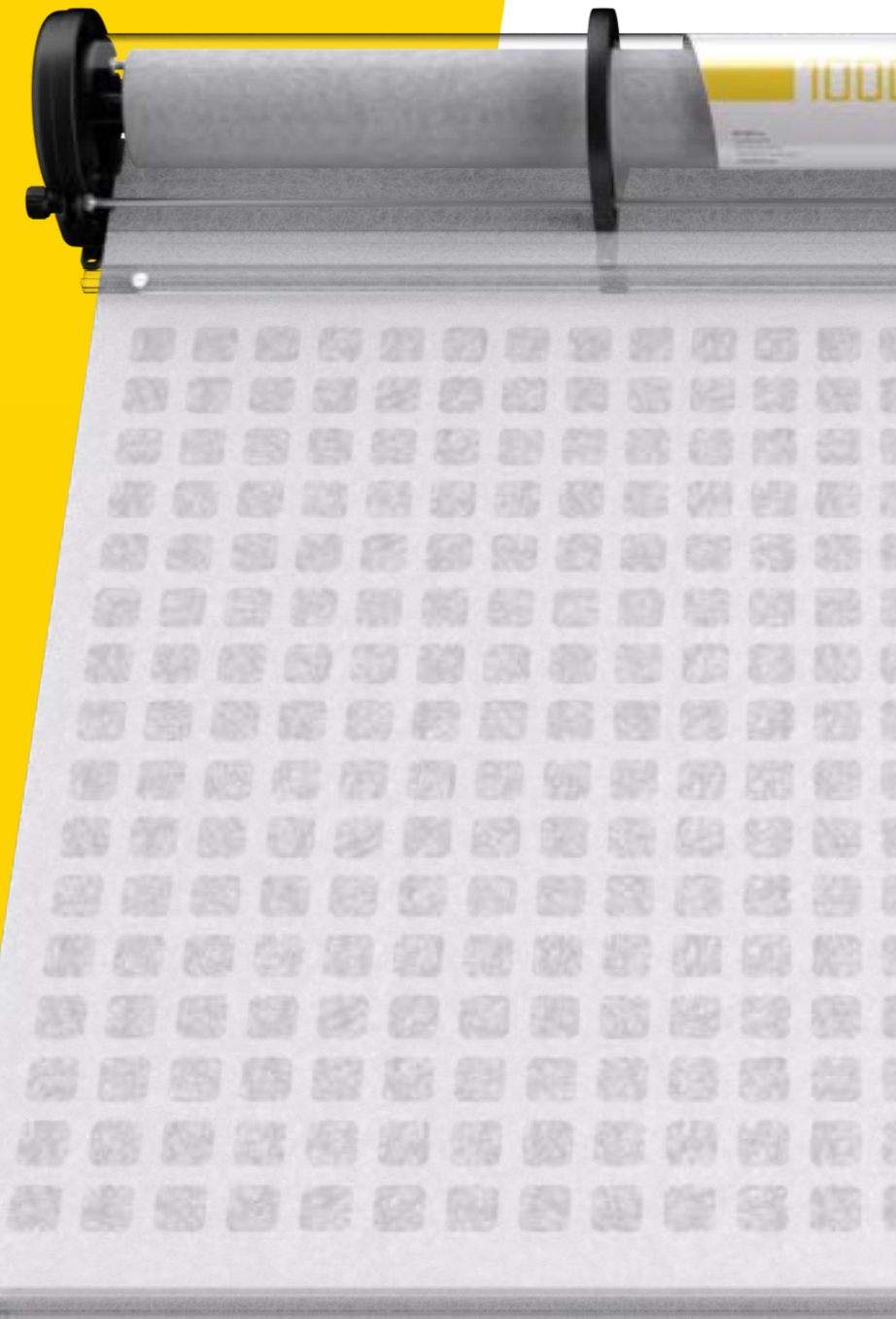
video



XL Sizes



Applied Velum Air XL



NEW

VELUM SMART



Velum Smart is Velum's great innovation!
It's an automated scrolling system that brings Velum's installation and maintenance process to the next level.

With the filter automatic scrolling,
the operator just needs to remove the used filter
and load a new roll **once a year** when finished,
instead of every week.

Velum Smart: make the most of your time!

Velum Smart is available either in a **manual version**
and a remotely controlled via **Android and iOS APP**
completely automated version.



Applied Velum Smart



Applied Velum Smart Manual



Velum Smart Manual

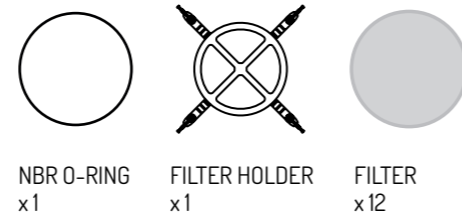


Applied Velum Smart

video



FAST PROTECTION FOR ELECTRICAL MOTORS



Velum Motor is the perfect solution for the protection of electric motors.

Thanks to the patented system with reusable polypropylene support, this filter can be easily applied with a magnet and a normal O-Ring (included in the package).

This polyester filter **Velum Motor** can be easily applied on the fan of any kind of electric motor, and has many advantages:

- it protects precious investments such as machinery and equipment;
- it protects the life of the engine and avoids the spreading of suspended particles;

- it reduces maintenance costs;
- no downtime thanks to easy application and replacement;
- it protects worker's health. Fans in the engines keep the air moving. If the air contains harmful particles, the fan moves contaminated air which is then inhaled by the workers;
- the visual control allows you to change the filter regularly so as to always ensure adequate air flow.

Composition	PES
Color	White
Thickness	10 mm 0,3937 in

Classification	G2
Flame retardant	F1/M1
Magnets	2-4

installation



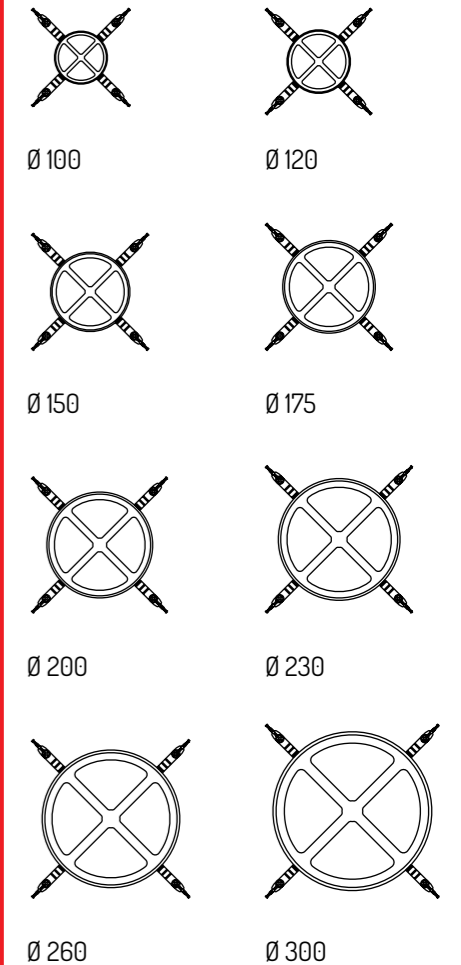
replacement



video



Sizes



Used Velum Motor

Magnetic attachment

APPLICATIONS

- Machine tools
- Automation machines
- Industrial printers
- Recycling machines
- Industrial computers
- Cooling plants
- Machines for wood carving
- Packaging machines
- Machines for the food industries
- Machines for chemical industries
- Machines for pharmaceutical industries
- Machines for textile industries
- Refrigeration machines
- Personal computers



WHAT THEY SAY ABOUT US

“ Velum has improved the performance of my **motors**.”

“**Extremely easily** installed!”



“ With this, we do not have to clean our machines and tools every few months.”

“Replace the filter in 5 seconds!”



“My machines can **finally breathe**”

“ We Velum we do not have to stop to clean the machine.”

“ Velum helps to keep my tools clean.”



“ We are **really reaaallyyyy reaaaaallyyyyyy** happy with Velum filter and strongly recommend them.”

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