

EUROVAC PP FILTER UNITS

EFFECTIVE DUST REMOVAL SOLUTION
FOR INDUSTRIAL APPLICATIONS



FINNISH QUALITY FOR
DEMANDING APPLICATIONS

Suomen 
IMURIKESKUS

WHY CHOOSE A EUROVAC PP FILTER UNIT?

Dust generated in industrial processes poses a significant challenge to employee well-being, production efficiency, and the environment. Eurovac PP filter units offer a reliable and effective solution for controlling large amounts of dust.

Finnish design and manufacturing ensure that each unit is built to withstand demanding use. The modular structure allows for flexible application in a variety of settings, whether in silos, conveyors, or other sources of industrial dust emissions.

Eurovac PP units combine effective compressed air cleaning, easy maintenance, and a long service life. The solutions can be customized to the customer's needs, for example, with material options, insulation, and fan placement options.

By choosing a Eurovac PP filter unit, you can ensure a cleaner and safer working environment, longer equipment life, and uninterrupted production.

The equipment can also be equipped for the extraction of explosive dusts. The units are intended to be installed outside the hazardous area.

WHAT TO CONSIDER WHEN CHOOSING A FILTER UNIT

- Where you want to remove dust, where the collected material is going to be returned, and how much air you need.
- It is important to know what type of dust the device collects. Is it sticky material, for example? Is there a risk of dust explosion? The fineness and total amount of the material to be removed also affect the dimensioning of the unit.

Material and surface treatment solutions are customized according to the conditions of the site.

PP filter units are most often made of stainless steel or galvanized sheet metal.

We recommend making the necessary channels from a longitudinal seam transport channel.

CRITERIA FOR SELECTING THE UNIT AND PIPING

Eurovac PP filter units are designed and manufactured in Finland and are robust solutions for industrial dust removal. The units are always dimensioned precisely according to the needs of the site to ensure that the system operates reliably and efficiently in all conditions.

The following are the criteria for selecting the unit and piping:

What type of material is to be removed or transferred?

- o Is the material sticky?
- o Is there a risk of dust explosion?
- o How fine-grained is the material?
- o How large are the quantities being removed?

Where is the material to be unloaded?

The most commonly used options are:

- o Filter unit open at the bottom, allowing dust to return directly to the space below the filter
- o 60 l or 100 l dust container
- o Solution equipped with a shut-off feeder, where the material is unloaded into the space below the device, for example into a big bag.
The device is equipped with rotary feeder, which allows the material to be unloaded into the space below the device, for example into a big bag.

If necessary, Suomen Imurikeskus Oy will deliver the entire system on a turnkey basis, including design, installation, and commissioning according to the customer's needs.

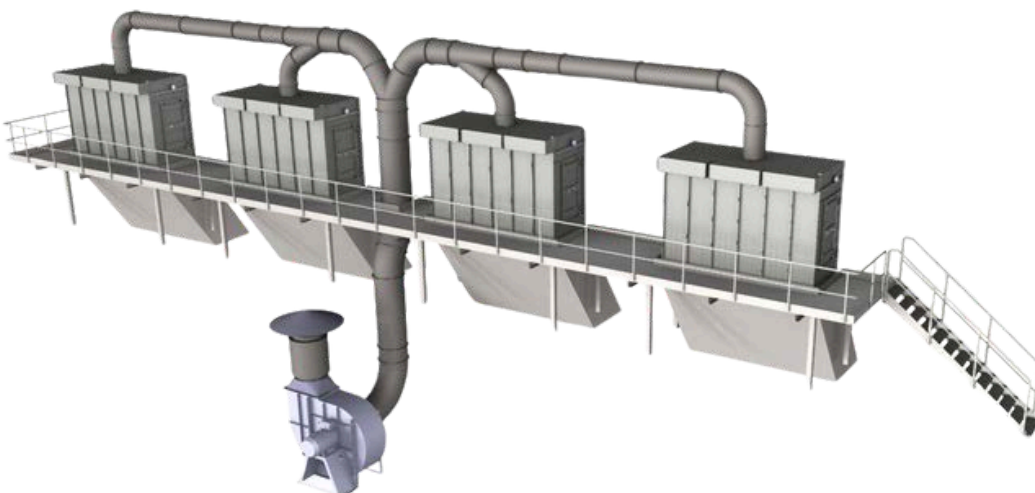


TABLE OF CONTENTS

Why choose a Eurovac PP filter unit	2
What to consider when choosing a filter unit	2
CRITERIA FOR SELECTING THE UNIT AND PIPING	3
Eurovac PP hose filter units without bottom section	4
With flange connection and compressed air cleaning	4
Eurovac PP20 series	
– PP20/13/1000	4
– PP20/19/1500	5
– PP20/25/2000	5
Eurovac PP40 series	
– PP40/26/1000	6
– PP40/38/1500	6
– PP40/51/2000	7
Eurovac PP60 series	
– PP60/39/1000	7
– PP60/58/1500	9
– PP60/76/2000	9
Eurovac PP64 series	
– PP64/82/2000	10
–2XPP64/82/2000	10
Eurovac PP80 series	
–PP80/128/2500.....	11
EQUIPMENT OPTIONS	12
Capacities and filter areas of Eurovac PP models	13
OUR INSTALLATION SITES	13-14
CONTACT INFORMATION	

EUROVAC PP HOSE FILTER UNITS WITHOUT BOTTOM SECTION

Eurovac PP filter units without a bottom section, i.e. silo models, are commonly used as silo filters, at conveyor intersections, in screening plants, and in dust removal in fuel reception facilities at power plants, for example.

In the open-bottom model, dust is returned to the silo, conveyor, or receiving pocket when the filters are cleaned.

WITH FLANGE CONNECTION AND COMPRESSED AIR CLEANING

Equipment options for all models

- Lower cone equipped with either a shut-off feeder or a waste container
- Stainless steel material instead of galvanization
- Thermal insulation and melt retention cable
- The blower can be equipped with a housing or left without housing
- The fan can be placed either on the side of the filter unit or piped separately to the location specified by the customer

EUROVAC PP20 SERIES

PP20/13/1000 (1000–2000 M³/H)

Eurovac PP20/13/1000 is a compact dust removal unit for small to medium-sized applications. The unit is particularly suitable for dust removal in silos and conveyors where reliable and continuous operation is required.



- Filters: 20 pcs
- Filter size: 1000 × 200 mm
- Filter surface area: 13 m²
- Blower: 2.2 kW
- Exhaust: Ø200 mm
- Compressed air requirement: 6-8 bar, 0.1-0.25 Nm³/min
- Capacity: 1000–2000 m³/h

PP20/19/1500 (1500-2800M³/H)

PP20/19/1500 offers more capacity and is designed for locations where dust levels vary and are higher. Suitable for a wide range of industrial needs.

- Filters: 20 pcs
- Filter size: 1500 × 200 mm
- Filter area: 19 m²
- Blower: 3 kW
- Exhaust: Ø250 mm
- Compressed air requirement: 6-8 bar, 0.1-0.25 Nm³/min
- Capacity: 1500–2800 m³/h



PP20/25/2000 (3000–4000 M³/H)

The PP20/25/2000 is a powerful unit suitable for larger dust loads. Its design ensures good cleaning performance even in continuous use.

- Filters: 20 pcs
- Filter size: 2000 × 200 mm
- Filter surface area: 25 m²
- Blower: 4 kW
- Outlet: Ø315 mm
- Compressed air requirement: 6-8 bar, 0.1-0.25 Nm³/min
- Capacity: 3000–4000 m³/h



PP40/26/1000 (3000–4000 M³/H)

Eurovac PP40/26/1000 is the smallest model in the series, offering a compact yet powerful solution. Suitable for applications requiring a medium air flow and continuous dust extraction.



- Filters: 40
- Filter size: 1000 × 200 mm
- Filter area: 26 m²
- Blower: 4 kW
- Outlet: Ø315 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm³/min
- Capacity: 3000–4000 m³/h

PP40/38/1500 (4000–6000 M³/H)

The PP40/38/1500 is a versatile model suitable for locations with higher dust loads and multiple simultaneous users.



- Filters: 40 pcs
- Filter size: 1500 × 200 mm
- Filter area: 38 m²
- Blower: 5,5-7,5 kW
- Exhaust: Ø400 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm³/min
- Capacity: 4000–6000 m³/h

PP40/51/2000 (5000-7500M³/H)

The PP40/51/2000 is designed for industrial applications where dust levels are high and the system must operate efficiently even under continuous load.

- Filters: 40 pcs
- Filter size: 2000 × 200 mm
- Filter surface area: 51 m²
- Blower: 7.5 kW
- Exhaust: Ø450 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm³/min
- Capacity: 5000–7500 m³/h



EUROVAC PP60 SERIES

PP60/39/1000 (4000–6000 M³/H)

The Eurovac PP60/39/1000 is the basic model in the series, offering reliable dust extraction in locations with medium air volumes. Suitable for various industrial needs, especially for continuous use.

- Filters: 60 pcs
- Filter size: 1000 × 200 mm
- Filter surface area: 39 m²
- Blower: 5,5-7,5 kW
- Exhaust: Ø400 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm³/min
- Capacity: 4000–6000 m³/h



PP60/58/1500 (6000–8000 M³/H)

The PP60/58/1500 is a more powerful model designed to handle larger amounts of dust. It offers a large filter surface area and is suitable for demanding applications.

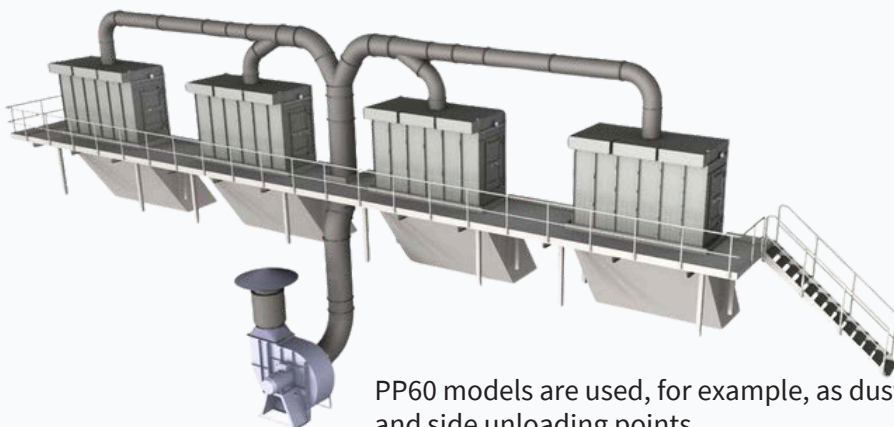
- Filters: 60 pcs
- Filter size: 1500 × 200 mm
- Filter surface area: 58 m²
- Blower: 7,5 kW-11 kW
- Exhaust: Ø450 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm³/min
- Capacity: 6000–8000 m³/h



PP60/76/2000 (7000–10000 M³/H)

The PP60/76/2000 is a high-power model in the series, suitable for applications involving extremely large amounts of dust. Its design makes it highly resistant to continuous loads.

- Filters: 60 pcs
- Filter size: 2000 × 200 mm
- Filter surface area: 76 m²
- Blower: 11 kW-15 kW
- Exhaust: Ø500 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm³/min
- Capacity: 7000–10000 m³/h



PP60 models are used, for example, as dust extractors biomass stations and side unloading points.

PP64/82/2000



The PP64/82/2000 is a medium-capacity filtration unit suitable for industrial applications that require efficient dust removal and reliable, continuous operation. Thanks to its large filter surface area and effective compressed air cleaning system, the model performs well in handling both fine and coarse dust.

- Filters: 64
- Filter size: 1950 x 200 mm
- Filter area: 82 m²
- Blower: Depending on the application.
- Exhaust: Depending on the application.
- Compressed air requirement: 6-8 bar, 0.2-5 m³/min
- Capacity: Depending on the site and dust type (10,000 m³/h - 15,000 m³/h)

2XPP64/82/2000



The 2XPP64/82/2000 consists of two PP64 filter units and is designed for applications requiring an exceptionally large filtration surface area and higher airflow rates. The dual-module construction allows for high capacity without compromising filter efficiency or separation performance.

- Filters: 128
- Filter size: 1950 x 200 mm
- Filter area: 164 m²
- Blower: Depending on the site
- Exhaust: Depending on the site
- Compressed air requirement: 6-8 bar, 0.4-1 m³/min
- Capacity: Depending on the site and dust type (15,000 m³/h - 30,000 m³/h)

EUROVAC PP80/128/2500

The Eurovac PP80 series is a high-performance industrial filtration unit line designed for large dust volumes and continuous operation. Its large filter surface area, efficient compressed air cleaning system, and robust construction ensure reliable performance even in the most demanding environments.

The Eurovac PP80/128/2500 is one of the most powerful models in the series and is widely suitable for various industrial dust extraction applications.

- Filters: 80 pcs (bag filters)
- Filter size: 200 × 2500 mm
- Filter area: 128 m²
- Blower: Depending on the site
- Exhaust: Depending on the site
- Compressed air requirement: 6–8 bar, 0.2–5 m³/min
- Capacity: Depending on the site and dust type (12,000–23,000 m³/h)
- Service door
- Overfill protection



Side view



EUROVAC PP EQUIPMENT OPTIONS

Below are some practical examples of Eurovac PP filter units equipped with a lower tray and shut-off feeder. With these equipment solutions, the units can be adapted to different applications, such as a separate fan housing or a large bag rack. The blower (flow and pressure) for Eurovac PP filter units is specified according to the requirements of the application.

PP20/13/1000

- With fan housing



PP64/82/2000

- With the lower cone



PP40/38/1500

- With the lower cone
- With rotary feeder
- With big bag



CAPACITIES AND FILTER AREAS OF EUROVAC PP MODELS

MODEL	FILTERS (PCS)	FILTER SURFACE AREA (M ²)	CAPACITY (M ³ /H)
PP20/13/1000	20	13	1000–2000
PP20/19/1500	20	19	1500–2800
PP20/25/2000	20	25	3000–4000
PP40/26/1000	40	26	3000–4000
PP40/38/1500	40	38	4000–6000
PP40/51/2000	40	51	5000–7500
PP60/39/1000	60	39	4000–6000
PP60/58/1500	60	58	6000–8000
PP60/76/2000	60	76	7000–10000
PP64/82/2000	64	82	10 000–15 000 (depending on application)
2XPP64/82/2000	128	164	15 000–30 000 (depending on application)
PP80/128/2500	80	128	12 000–23 000 (depending on application)

OUR INSTALLATION SITES



Landskrona Energi, Sweden, Eurovac dust and debris removal equipment installed

- Eurovac PP80 filter unit and suction unit 30kW centrifugal fan
- Transfer blowing of wood chips into a swap body container



Dust removal system Eurovac PP20 filter unit

- 2,2 kW centrifugal fan
- Stainless steel dust removal system



Pintos Oy, Eura

- Eurovac dust removal equipment for removing metal dust
- The equipment has a 30 kW centrifugal fan.



Dust removal equipment for power plant silos

- Eurovac PP20 filter unit
- Suction unit 3 kW centrifugal fan



Dust removal equipment for power plant silos

- Eurovac PP20 filter unit
- Suction unit 3 kW centrifugal fan

CONTACT INFORMATION



**PLEASE CONTACT US SO WE CAN FIND
THE BEST SOLUTION FOR YOU**

OUR EXPERTS ARE AT YOUR SERVICE



Antti Kauppinen
System sales
+358 44 5767 030
antti.kauppinen@suomenimurikeskus.fi



Ari Alakruuvi
System sales
+358 44 5767 034
ari.alakruuvi@suomenimurikeskus.fi



Tapio Alinentalo
Projects and special products
tapio.alinentalo@suomenimurikeskus.fi



Suomen Imurikeskus Oy
Valtatie 23 1141 29630 Pomarkku
www.suomenimurikeskus.fi

