2025

EUROVAC PP FILTER UNITS

EFFECTIVE DUST REMOVAL SOLUTION FOR INDUSTRIAL APPLICATIONS

FINNISH QUALITY FOR DEMANDING APPLICATIONS

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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?

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

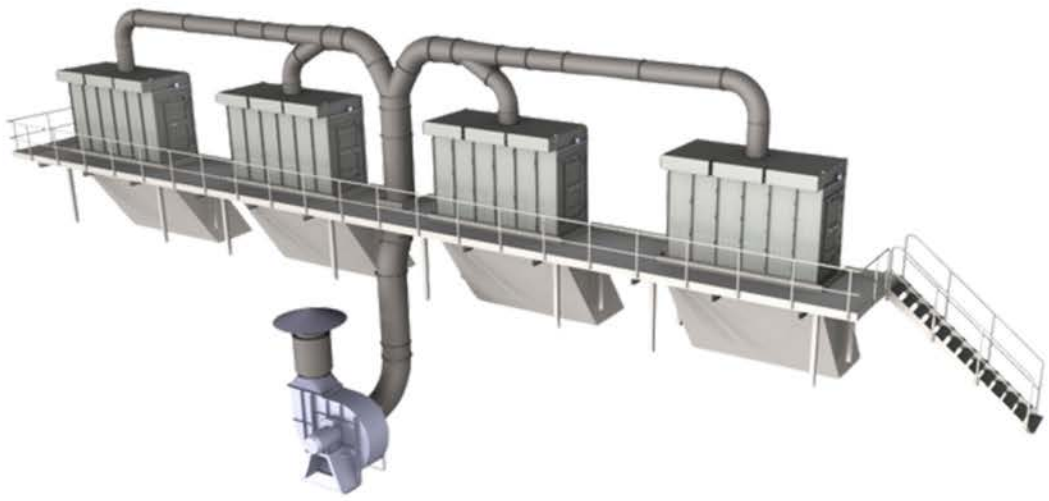
Where is the material to be unloaded?

The most commonly used options are:

- Filter unit open at the bottom, allowing dust to return directly to the space below the filter

- 60 l or 100 l dust container
- 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.



PP60 models are used, for example, as dust extractors at side discharge points biomass facilities.

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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 m^2
- Blower: 2.2 kW
- Exhaust: Ø200 mm
- Compressed air requirement: 6-8 bar, 0.1-0.25 Nm^3/min
- Capacity: 1000–2000 m^3/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 m^2
- Blower: 3 kW
- Exhaust: Ø250 mm
- Compressed air requirement: 6-8 bar, 0.1-0.25 Nm^3/min
- Capacity: 1500–2800 m^3/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 m^2
- Blower: 4 kW
- Outlet: Ø315 mm
- Compressed air requirement: 6-8 bar, 0.1-0.25 Nm^3/min
- Capacity: 3000–4000 m^3/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 m^2
- Blower: 4 kW
- Outlet: Ø315 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm^3/min
- Capacity: 3000–4000 m^3/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 m^2
- Blower: 5,5-7,5 kW
- Exhaust: Ø400 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm^3/min
- Capacity: 4000–6000 m^3/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 m^2
- Blower: 7.5 kW
- Exhaust: Ø450 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm^3/min
- Capacity: 5000–7500 m^3/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 m^2
- Blower: 5,5-7,5 kW
- Exhaust: Ø400 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm^3/min
- Capacity: 4000–6000 m^3/h

PP60/58/1500 (6000–8000 M³/H)

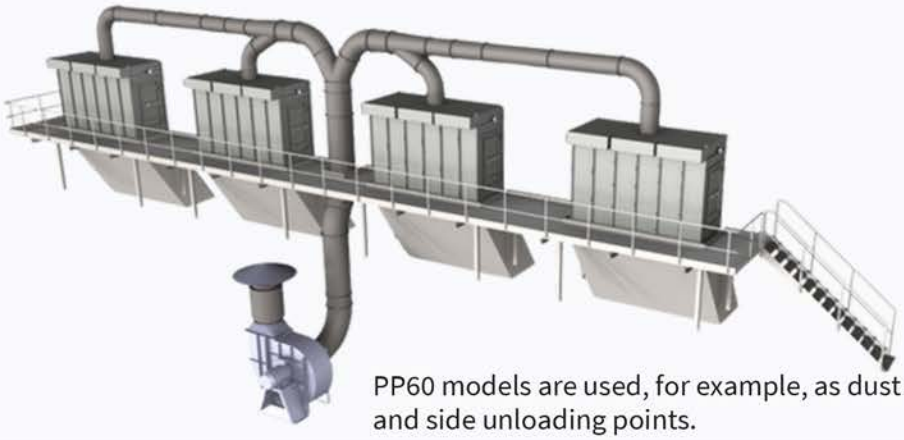
The PP60/58/1500 is a more powerful model designed to handle larger amounts of dust. It offers a large filter surface area and is suitable for demanding applications.

- Filters: 60 pcs
- Filter size: 1500 × 200 mm
- Filter surface area: 58 m^2
- Blower: 7,5 kW-11 kW
- Exhaust: Ø450 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm^3/min
- Capacity: 6000–8000 m^3/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 m^2
- Blower: 11 kW-15 kW
- Exhaust: Ø500 mm
- Compressed air requirement: 6-8 bar, 0.2-0.5 Nm^3/min
- Capacity: 7000–10000 m^3/h



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

PP64/82/2000

- Filters: 64
- Filter size: 1950 x 200 mm
- Filter area: 82 m^2
- Blower: Depending on the application.
- Exhaust: Depending on the application.
- Compressed air requirement: 6-8 bar, 0.2-5 m^3/min
- Capacity: Depending on the site and dust type (10,000 m^3/h - 15,000 m^3/h)

2XPP64/82/2000

The 2XPP64/82/2000 consists of two PP64 filter units, which doubles the filtration area and capacity.

- Filters: 128
- Filter size: 1950 x 200 mm
- Filter area: 164 m^2
- Blower: Depending on the site
- Exhaust: Depending on the site
- Compressed air requirement: 6-8 bar, 0.4-1 m^3/min
- Capacity: Depending on the site and dust type (15,000 m^3/h - 30,000 m^3/h)

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	10000–15000 (depending on application)
2XPP64/82/2000	128	164	15000–30000 (depending on application)

ALL MODELS FEATURE AUTOMATIC FILTER CLEANING AS STANDARD.

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

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QUALITY SYSTEM CERTIFICATION DNV ISO 9001