

# EUROVAC- CENTRAL VACUUM SYSTEMS

EFFICIENT CLEANLINESS  
ON A LARGE SCALE



FINNISH QUALITY  
FOR INDUSTRIAL NEEDS

Suomen   
.....  
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# INTRODUCTION

Suomen Imurikeskus Oy has been manufacturing and installing Eurovac central vacuum systems for industry and power plants for 30 years. Eurovac filter units are Finnish-designed and manufactured units with a solid wax structure, whose operational reliability is based on experience and improvements gained over the years. The equipment and piping is always tailored to the customer's needs. Here are some criteria for choosing the unit and the piping:

What type of material to be vacuumed?

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

What type of material is to be vacuumed?

- o Is the material sticky?
- o Is an explosion of dust possible?
- o How fine is the material to be vacuumed?
- o How much dust is there?

How much air is passed through the unit at a time?

- o How many simultaneous users does the vacuum cleaner have?
- o What size of vacuum hose is used: 38, 50, 76 and 100mm?

What type of waste bin will be placed in the filter unit?

Most commonly used options:

Big bag, waste bag, barrel, tipper, container pre-separator (large amounts of dust reduce the load on the filters)

How do you want the material to be vacuumed to be discharged into the waste bin?

- o The most used options:  
Shut-off valve, shut-off flap (gravity/pneumatic), pressurised vessel?

Mobility of the equipment:

- o Is the equipment to be permanently located at one point?
- o Is there a need to move the equipment, e.g. from one building to another?

Equipment material and surface treatment:

- o Can be manufactured in different grades of steel according to your needs
- o The most common material used is painted FE, standard colours RAL 5017 and RAL 7015 (other colours available according to RAL colour chart)  
Equipment can be painted to the required stress classes, standard C3, also available in C4 and C5 stress classes.
- o Special conditions: wear-resistant steel, RST or HST

If there is no central vacuum piping, our knowledgeable sales staff will help you choose the size and routing of the equipment piping.

Suomen Imurikeskus Oy will deliver systems on a turnkey basis if required.

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# FILTERING UNIT FOR CENTRAL VACUUM

## EUROVAC 1400/32 FILTERING UNIT



A filtering unit for larger central vacuum cleaning systems for cleaning up large quantities of waste. The unit can be used simultaneously by several users. Fitted with hose filters with the filtering area of 32 m<sup>2</sup>.

Cleaning of the filters is executed with automated pneumatic air pulse. The arrangement ensures highly efficient cleaning of the filters even when the unit is running.

- **Filtering area 32 m<sup>2</sup>**
- **With hose filters**
- **Collection or discharge of dust according to the preference**
- **Possibility of connecting to the pre-separator and the reverse flow system**
- **Pneumatic air requirement 0,2 Nm<sup>3</sup>/min, 6 bar**

Dimensions: height approximately 4500, Ø 1450 mm

Filters 2000 x 200 mm

26 pcs

## EUROVAC 1400/24 FILTERING UNIT



Fitted with hose filters with the filtering area of 24 m<sup>2</sup>.

Cleaning of the filters is executed with automated pneumatic air pulse. The arrangement ensures highly efficient cleaning of the filters even when the unit is running.

- **Filtering area 24 m<sup>2</sup>**
- **With hose filters**
- **Collection or discharge of dust as chosen**
- **Possibility of connecting to the pre-separator and the reverse flow system.**
- **Pneumatic air requirement 0,2 Nm<sup>3</sup>/min, 6 bar**

Dimensions: height approximately 4000, Ø 1450 mm

Filters 1500 x 200 mm

26 pcs

## EUROVAC 900/15 FILTERING UNIT

Fitted with hose filters with the filtering area of 15 m<sup>2</sup>.

Cleaning of the filters is executed with automated pneumatic air pulse. The arrangement ensures highly efficient cleaning of the filters even when the unit is running.

- **Filtering area 15 m<sup>2</sup>**
- **With hose filters**
- **Collection or discharge of dust according to the preference**
- **Possibility of connecting to the pre-separator and the reverse flow system**
- **Pneumatic air requirement 0,1 - 0,2 Nm<sup>3</sup>/min, 6 bar**

Dimensions: height approximately 3200, Ø 1260

Filters 1500 x 110 mm

32 pcs



## EUROVAC 900/10 FILTERING UNIT

Fitted with hose filters with the filtering area of 10 m<sup>2</sup>.

Cleaning of the filters is executed with automated pneumatic air pulse. The arrangement ensures highly efficient cleaning of the filters even when the unit is running.

- **Filtering area 10 m<sup>2</sup>**
- **With hose filters**
- **Collection or discharge of dust according to the preference**
- **Possibility of connecting to the pre-separator and the reverse flow system**
- **Pneumatic air requirement 0,1 - 0,2 Nm<sup>3</sup>/min, 6 bar**

Dimensions: height approximately 2700, Ø 1260

Filters 1000 x 110 mm

32 pcs



## EUROVAC 580 FILTERING UNIT, WITH 60L OR 100L TANK



Fitted with hose filters with the filtering area of 4 m<sup>2</sup>.

Cleaning of the filters is executed with automated pneumatic air pulse. The arrangement ensures highly efficient cleaning of the filters even when the unit is running.

- **Filtering area 4 m<sup>2</sup>**
- **With hose filters**
- **Collection of dust into a 60 l or 100 l tank**
- **Pneumatic air requirement 0,1 Nm<sup>3</sup>/min, 6 bar**

Dimensions: height approximately 2280, Ø 780

Filters 110 x 1000 mm

12 pcs

## EUROVAC FRONT LOADER SUCTION UNIT

Eurovac front loader containers are available in several models. There is a choice between a container that can be used as a mobile vacuum cleaner, where the suction unit is part of the container, and a filter container only, where a separate suction unit is required. The container can be equipped with hose filters or alternatively with two star filters.

- **Filter surface area with hose filters 15m<sup>2</sup>**
- **Filter surface area with star filters 10 m<sup>2</sup>**
- **Waste capacity about 3-5 m<sup>3</sup>**

Dimensions: approx. L 1500 W 1500 H 1500 mm

Dimensions vary depending on the model



# PRE-SEPARATORS

## EUROVAC HOOK LIFT CONTAINER WITH PRE-SEPARATOR 20 m<sup>3</sup>

Hook lift containers are used in areas with high volumes of dust to be vacuumed. The suction unit is usually a rotary piston unit.

- Dimensions approx. L 5500, W 2170, H 2340 mm
- Waste space approx. 20 m<sup>3</sup>



## EUROVAC FRONT MOUNTED CONTAINER WITH PRE-SEPARATOR 3 m<sup>3</sup>

The front mounted container with pre-separator is commonly used with e.g. a 1400 filter unit.

- Dimensions approx. L 1700, W 1500, H 1620 mm
- Waste space approx. 3 m<sup>3</sup>



## EUROVAC FRONT MOUNTED CONTAINER WITH PRE-SEPARATOR 3 m<sup>3</sup>

The front mounted container with pre-separator is commonly used with e.g. a 1400 filter unit.

- Mitat noin L 1950, W 2256, H 2170 mm
- Waste space approx. 5 m<sup>3</sup>



## EUROVAC SPC CYCLONES

Cyclones are sized according to air volume. The most common SPC cyclone for central vacuum systems is Ø500.

The cyclone can be equipped with a 60 l, 100 l, 200 l waste container or alternatively equipped with a bottom flap or a rotary feeder, discharging dust to the tank selected by the customer or e.g. a big bag



## EUROVAC TIPPING PRE-SEPARATOR

We produce three different sizes of tipping pre-separators: 300 l, 600 l and 1000 l with tipping containers.



# SUCTION UNITS

## EUROVAC DEMOUNTABLE SUCTION CONTAINER



The Eurovac demountable suction container features a suction unit, filters and the waste section. The container vacuum cleaner can be equipped, for instance, with a 37 - 75 kW rotary piston suction unit.

The filtering unit is fitted with hose filters with the filtering area of 30 m<sup>2</sup>. Cleaning of the filter takes place by applying reverse suction. The arrangement ensures highly efficient cleaning of the filter even when the unit is running.

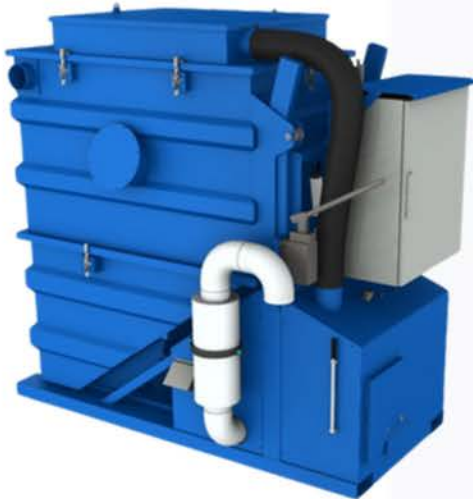
- **Filtering area 30 m<sup>2</sup>**
- **Waste section 13 m<sup>3</sup>**

Dimensions: approx. L 6058, W 2508, H 2571 mm.  
NB! Also available with a diesel engine.

Filters 1300 x 110 mm

63 pcs

## EUROVAC TIPPING VACUUM WITH ROTARY PISTON UNIT



The Eurovac tipping vacuum cleaner is equipped with hose filters with a filter area of 20 m<sup>2</sup>.

Filter cleaning is based on counter-pressure cleaning. The design achieves highly efficient filter cleaning even during operation.

The suction unit can be permanently attached to the filter unit, allowing the vacuum cleaner to be used as a mobile vacuum cleaner.

- **Filter surface area with hose filters 20 m<sup>2</sup>**
- **Garbage container 1000 l with tipper container.**

The suction unit can be a 7.5 kW-25 kW side channel blower or a rotary piston unit up to 55 kW.

Dimensions: approx. L 2400, W 1200, H 2500 mm

Filters 1000 x 110 mm

63 pcs

# SUCTION UNITS

## EUROVAC BLUE LINE 1000



Industrial vacuum cleaners Blue Line 1000 can be used either as mobile cleaners or stationary central vacuum cleaning units.

- **Filtering area 4 m<sup>2</sup>**
- **With a star filter**
- **Collection of dust into a 600 l waste compartment**
- **Vibration motor or compressed air or filter cleaning**

Approximate dimensions: H 2200 W 1700 L 1470

Available with the following side channel fans:  
5.5 kW, 7.5 kW, 11 kW, 12.5 kW and 25 kW

Filter Star filter bag

1 pcs

## EUROVAC BLUE LINE SERIES



Industrial vacuum cleaners Blue Line 1000 can be used either as mobile cleaners or stationary central vacuum cleaning units.

- **Filtering area 4 m<sup>2</sup>**
- **With a star filter**
- **Collection of dust into a 60 l or 100 l waste compartment**
- **Vibration motor or compressed air or filter cleaning**

Dimensions: approx. H 1500 W 670 L 1420 mm

Available with the following side channel fans: 5.5 kW, 11 kW and 25 kW.

Star filter

1 pcs



# SUCTION UNITS

## EUROVAC ROTARY PISTON SUCTION UNITS

Eurovac rotary piston units are usually soundproofed and equipped with a back-up filter.

Model	Power kW	Max. underpressure mbar	Max. airflow m <sup>3</sup> /h
RBS 85	22	440	1098
	30	490	1386
	37	490	1818
	45	490	2250
RBS 105	55	490	3126
RBS 105	75	490	3648
RB-DV 85	75	790	2263*
RB-DV 125	90	790	2840*

Nominal max. air flow at 200 mbar vacuum

\*Nominal max. air flow at 300 mbar vacuum

Other options are also available, and the suction unit is customized as needed.



## EUROVAC SIDE CHANNEL BLOWERS

Eurovac side channel blowers are also available in soundproof enclosures, including a back-up filter if required.

Model	Power kW	Max. underpressure mbar	Max. airflow m <sup>3</sup> /h
	5,5	280	530
	11	430	560
	25	440	1110
	25	310	2050






We also manufacture according to your needs:



- High-efficiency vacuum cleaners
- Eurovac dust and sawdust removal systems
- Material separation and transfer systems
- Eurovac flue gas filtration systems

# ACCESSORIES

## SUCTION HOSES



	Code	Title
	011021	Suction hose 38 mm, antistatic, 20 m per reel
	011033	Suction hose 50 mm, antistatic, 20 m per reel
	011393	Polyurethane suction hose 63 mm, abrasion resistant, 15 m per reel
	011394	Polyurethane suction hose 76 mm, abrasion-resistant, 15 m per reel
	011310	Rubber suction hose 38 mm
	011320	Rubber suction hose 50 mm
	011330	Rubber suction hose 63 mm
	011340	Rubber suction hose 76 mm

## CLEANING KITS AND NOZZLES

	012090	Special nozzle 50 mm, W 540 mm
	012091	Special nozzle 75 mm, W 540 mm
	011182	Suction rod 50 mm aluminium, for special nozzle, <b>no handles</b>
	011181	Suction rod 75 mm aluminium, for special nozzle, <b>with handles</b>
	010033	Cleaning tool set Ø 38 mm, 5 m, antistatic
	010051	Cleaning tool set Ø 50 mm, 5 m, antistatic
	010054.3	Cleaning tool set Ø 76 mm, 15 m, antistatic
	011059	Hose connector for 38 mm suction rod, antistatic, soft rubber
	011073	Hose connector for 50 mm suction rod, antistatic, soft rubber
	011143	Suction rod aluminium 38 mm, length 1470 mm
	011160	Suction rod aluminium 50 mm, length 1470 mm
	011181	Suction rod 75 mm aluminium, for special nozzle, <b>with handles</b>
	012017	Floor nozzle Ø 38 mm, W 375 mm, aluminium body
	012018	Floor nozzle Ø 38 mm, W 450 mm, aluminium body
	012022	Floor nozzle Ø 50 mm, W 375 mm, aluminium body
	012023	Floor nozzle Ø 50 mm, W 450 mm, aluminium body
	012024	Floor nozzle Ø 50 mm, W 500 mm, all aluminium, rubber strips
	012091	Special nozzle 75 mm, W 540 mm
	011107	Aluminium hose connector for Eurovac flap valve 38/60



	Code	Title
	011106	Aluminium hose connector for Eurovac flap valve 50/60
	011104	Aluminium hose connector for Eurovac flap valve 50/76
	011113	Aluminium hose connector for Eurovac flap valve 50/102
	011108	Aluminium hose connector for Eurovac flap valve 76/76
	011109	Aluminium hose connector for Eurovac flap valve 76/102
	012046	Brush 38 mm round
	012047	Brush 50 mm round
	012053	Galvanized steel nozzle 38 mm, L 1000 mm
	011184	Stacking rod 50 mm aluminium
	011186	Stacking rod 75 mm aluminium, <b>no handles</b>
	011185	Stacking rod 75 mm aluminium, <b>with handles</b>


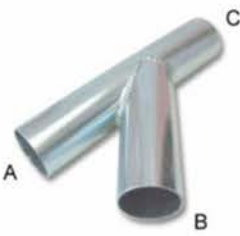
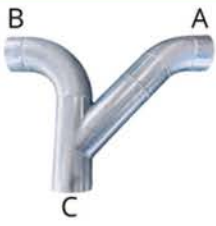






## HOSE REELS AND RACKS

	Code	Title
	016015	Hose reel, for 50, 63 or 76 mm hose. Maximum hose length 50 m
	016009	Hose holder with accessory basket Eurovac, galvanized, for suction rod d. 38 mm

## METAL CENTRAL VACUUM CLEANER PIPELINE

Material options : Galvanised, Hot dip galvanised, RST and HST

	Code	Title
	014000	Galvanised steel pipe      Ø 60 mm, length 6 m
	014001	Galvanised steel pipe      Ø 76 mm, length 6 m
	014002	Galvanised steel pipe      Ø 102 mm, length 6 m
	014008	Galvanised steel pipe      Ø 127 mm, length 6 m
	014040	Steel bend 45° 60 mm
	014039	Steel bend 45° 76 mm
	014073	Steel bend 45° 102 mm
	014076.1	Steel bend 45° 127 mm

	Code	Title
	014044	Steel bend 90° 60 mm
	014043	Steel bend 90° 76 mm
	014074	Steel bend 90° 102 mm
	014075.1	Steel bend 90° 127 mm
	014024	Galvanised branch pipe 45° A60/B60/C60
	014022	Galvanised branch pipe 45° A76/B76/C76
	014023	Galvanised branch pipe 45° A76/B60/C76
	014030	Galvanised branch pipe 45° A102/B102/C102
	014031	Galvanised branch pipe 45° A102/B76/C102
	014032	Galvanised branch pipe 45° A127/B127/C127
	014033	Galvanised branch pipe 45° A127/B102/C127
		014017
014018		Galvanised branch pipe, T-type 102/102/102 mm
014019		Galvanised branch pipe, T-type 127/127/127 mm
	014049	Galvanised steel contraction piece 76/60
	014045	Galvanised steel contraction piece 102/76
	014046	Galvanised steel contraction piece 127/102
	014090	Flap valve aluminium 60 mm
	014095	Flap valve aluminium 76 mm
	014094	Flap valve aluminium 102 mm
	014055	Pipe coupling aluminium 60 mm
	014057	Pipe coupling aluminium 76 mm
	014064	Pipe coupling aluminium 102 mm
	014066	Pipe coupling aluminium 127 mm
	014061	Pipe support steel 60 mm
	014062	Pipe support steel 76 mm
	014512	Pipe support steel 102 mm
	014511	Pipe support steel 127 mm
	014505	Beam bracket steel, thread M10
	014491	Console bracket, hot-dip galvanised, no support, length 150 mm
	014493	Console bracket, hot-dip galvanised, with support, length 300 mm
	014495	Console bracket, hot-dip galvanised, with support, length 600 mm

# SAMPLES OF OUR SYSTEMS



**Eurovac 1400 + SPC 50 cyclone pre-separator**



**Eurovac suction unit 55kW with rotary piston suction unit + 1400/32 suction unit + pre-separator container 20 m<sup>3</sup>**



**Central suction pipe**



**Eurovac 1400 + 3 m<sup>3</sup>  
pre-separator container**



**Eurovac 900 suction unit, 5 m<sup>3</sup> with pre-separator and  
37 kW rotary piston suction unit**

# CONTACT INFO



**PLEASE CONTACT US AND WE WILL  
FIND THE BEST SOLUTION FOR YOU**

**OUR EXPERTS AT YOUR SERVICE**



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