



Suomen   
.....  
**IMURIKESKUS**

EUROVAC Central Cleaning Systems

[www.suomenimurikeskus.fi](http://www.suomenimurikeskus.fi)

# INTRODUCTION

Suomen Imurikeskus has been manufacturing and installing Eurovac central vacuum cleaners for industrial and power generation applications for 30 years.

The Eurovac filtering units are designed and manufactured in Finland, and are sturdy units, the reliability of which is based on experience and professional product development accumulated over the years.

The equipment and pipelines will be dimensioned to match the needs of the customer. Some principles of selecting the unit and the pipeline are provided below:

What type is the material that is being vacuumed?

- o Is the material sticky?
- o Is there any danger of dust explosion?
- o How fine is the material being vacuumed?
- o How much dust there is?

How much air is delivered through the equipment at a time?

- o How many users can use the vacuum cleaner at the same time?
- o What is the size of the suction hose:  
38, 50, 76 and 100 mm?

Which kind of a waste bin is installed in the filtering unit?

- o The most widespread alternatives:  
Big bag, waste bag, barrel, bin, tank  
Pre-separator (to reduce filter loads in case of large volumes of dust)

How is the vacuumed material discharged into the waste container?

- o The most widespread alternatives:  
Rotary feeder, shutter (gravitational/ pneumatic), negative pressure vessel?

Mobility of the equipment:

- o Is it intended to keep the equipment stationary at one location?
- o Is there any need to move the equipment e.g. from one part of the building to another?

Material of the unit:

- o The unit can be manufactured of different grades of steel, as needed
- o The most commonly used material is paint-coated FE (the customer chooses the colour option)
- o For special circumstances: abrasion resistant steel, stainless steel or acid resistant steel

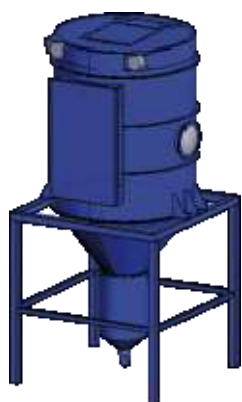
If there is no pipeline for the central vacuum cleaner system, our professional sales staff will assist the customer in selecting the dimensions and the routing of the pipes. If required, Suomen Imurikeskus Oy will deliver the systems on the turn-key basis.

# CONTENTS

INTRODUCTION	1
TABLE OF CONTENTS	2
FILTERING UNITS FOR CENTRAL VACUUM CLEANERS	3
EUROVAC FILTERING UNIT 1400 / 32	3
EUROVAC FILTERING UNIT 1400 / 24	3
EUROVAC FILTERING UNIT 900 / 15	4
EUROVAC FILTERING UNIT 900 / 10	4
EUROVAC FILTERING UNIT 580 WITH 60/100 l TANK	5
EUROVAC FILTERING UNIT 580 WITH 200 l TANK + WALL BRACKET 5	5
EUROVAC BLUE LINE SERIES	5
EUROVAC DUMP CONTAINER VACUUM CLEANER	6
EUROVAC BLUE LINE 1000	6
EUROVAC HOOK-LIFT TRAILER CONTAINER	7
EUROVAC FRONT MOUNTED CONTAINER WITH SUCTION UNIT	7
EUROVAC FRONT MOUNTED FILTER CONTAINER	7
PRE-SEPARATORS	8
EUROVAC HOOK-LIFT CONTAINER WITH PRE-SEPARATOR	8
EUROVAC FRONT MOUNTED UNIT WITH PRE-SEPARATOR	8
EUROVAC SPC CYCLONES	8
EUROVAC DUMP CONTAINER PRE-SEPARATORS	8
EUROVAC PRE-SEPARATOR 200 WITH BIN	8
SUCTION UNITS	9
EUROVAC SUCTION UNIT WITH ROTARY PISTON 75 KW	9
EUROVAC SUCTION UNIT WITH ROTARY PISTON 45 KW	9
EUROVAC SUCTION UNIT WITH ROTARY PISTON 37 KW	9
EUROVAC SUCTION UNIT WITH SIDE CHANNEL 25 KW	9
EUROVAC SUCTION UNIT WITH SIDE CHANNEL 18.5 KW	9
EUROVAC SUCTION UNIT WITH SIDE CHANNEL 12.5 KW	9
EUROVAC SUCTION UNIT WITH SIDE CHANNEL 11 KW	9
EUROVAC SUCTION UNIT WITH SIDE CHANNEL 7.5 KW	9
EUROVAC SUCTION UNIT WITH SIDE CHANNEL 5.5 KW	9
SUCTION HOSES	10
CLEANING KITS AND NOZZLES	10-11
HOSE REELS AND RACKS	11
METAL PIPELINE FOR CENTRAL VACUUM CLEANER	11-13
REFERENCES	14
CONTACT INFORMATION	15

# FILTERING UNIT FOR CENTRAL VACUUM CLEANERS

## Eurovac Filtering Unit 1400/32



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 filter takes place by reverse suction. The arrangement ensures highly efficient cleaning of the filter 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

Dimensions: height approximately 4500, Ø 1450 mm

Filters 013215. 2000 x 200, 500 g polyester	25 pcs
Filters 013214. 2000 x 200, antistatic 350 g polyester	25 pcs

## Eurovac Filtering Unit 1400/24



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

Cleaning of the filter takes place by reverse suction in two sections. The arrangement ensures highly efficient cleaning of the filter 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.

Dimensions: height approximately 4000, Ø 1450 mm

Filters 013211. 1500 x 200, 500 g polyester	25 pcs
Filters 013210. 1500 x 200, antistatic 350 g polyester	25 pcs

## Eurovac Filtering Unit 900/15

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

Cleaning of the filter takes place by reverse suction in two sections. The arrangement ensures highly efficient cleaning of the filter 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

Dimensions: height approximately 3200, Ø 1260

Filters 013107. 1500 x 110, 500 g polyester	32 pcs
Filters 013106. 1500 x 110, antistatic 350 g polyester	32 pcs



## Eurovac Filtering Unit 900/10

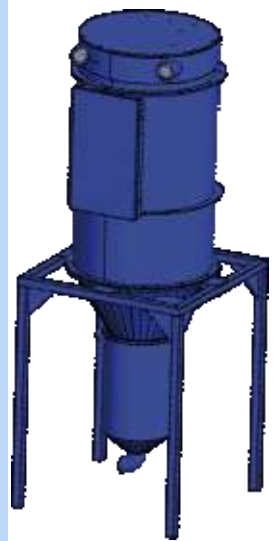
Fitted with hose filters with the filtering area of 10 m<sup>2</sup>.

Cleaning of the filter takes place by reverse suction in two sections. The arrangement ensures highly efficient cleaning of the filter 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.

Dimensions: height approximately 2700, Ø 1260

Filters 013111. 1000 x 110, 500 g polyester	32 pcs
Filters 013109. 1000 x 110, antistatic 350 g polyester	32 pcs



## Eurovac Filtering Unit 580 with 60 or 100 l Tank



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

Cleaning of the filter takes place by reverse suction in two sections. The arrangement ensures highly efficient cleaning of the filter 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

Dimensions: height approximately 2280, Ø 780

Filters 013111. 110 x 1000, 500 g polyester

12 pcs

Filters 013109. 110 x 1000, antistatic 350 g polyester

12 pcs

## Eurovac Filtering Unit 580 with 200 l Wall Bracket



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

Cleaning of the filter takes place by reverse suction in two sections. The arrangement ensures highly efficient cleaning of the filter even when the unit is running.

- Filtering area 4 m<sup>2</sup>
- With hose filters
- Collection of dust into a 200 l tank

Dimensions: height approximately 2500, Ø 780

Filters 013111. 110 x 1000, 500 g polyester

12 pcs

Filters 013109. 110 x 1000, antistatic 350 g polyester

12 pcs

## Eurovac Blue Line Series



Industrial vacuum cleaners of the Blue Line series can be used either as mobile cleaners or stationary central vacuum cleaning systems.

- Filtering area 4 m<sup>2</sup>
- With a radial filter
- Collection of dust into a 60 l tank
- Vibration cleaning of the filter

Dimensions: H 1500 W 670 L 1420

Available with the following side channel fans:

5.5 kW, 7.5 kW, 11 kW, 12.5 kW and 25 kW

Filter 013075. Radial filter bag, large 500 g polyester

1 pc

Filter 013090. Radial filter bag, large antistatic

1 pc

Filter 013091. Radial filter bag, large Teflon

1 pc



## Eurovac Dump Container Filtering Unit

The Eurovac dump container vacuum cleaner features hose filters with the filtering area of 20 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.

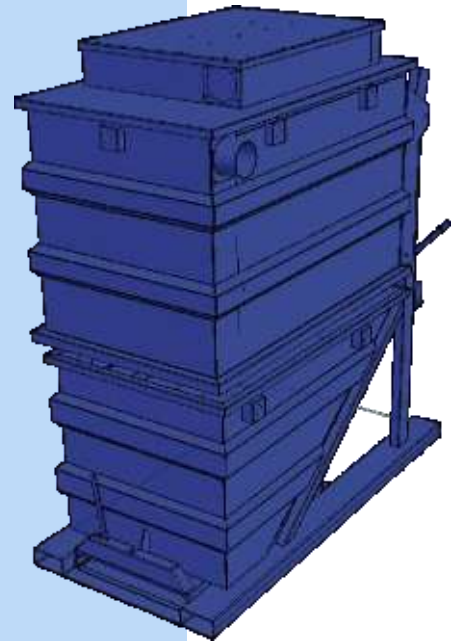
The suction unit can be fixed to the filtering unit, in which case the vacuum cleaner can also be used as a mobile cleaner.

- Filtering area with hose filters 20 m<sup>2</sup>
- Waste tank 1000 l dump container.

The suction unit is either a 7.5 kW - 37 kW side channel fan, or a rotary piston unit.

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

Filters 013111. 1000 x 110, 500 g polyester  
Filters 013109. 1000 x 110, antistatic 350 g polyester  
Secondary filter 212158



63 pcs  
63 pcs  
2 pcs

## Eurovac Blue Line 1000

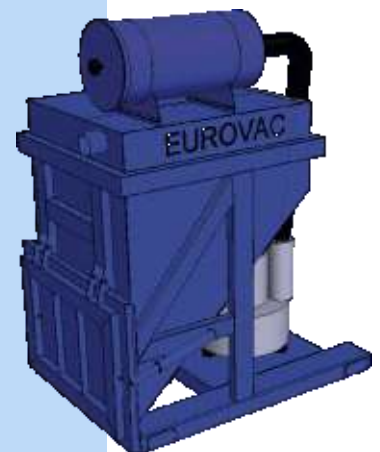
Industrial vacuum cleaners Blue Line 1000 can be used either as mobile cleaners or stationary central vacuum cleaning units.

- Filtering area 4 m<sup>2</sup>
- With a radial filter
- Collection of dust into a 600 l waste compartment
- Vibration cleaning of the filter

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

Filters 013075. Radial filter bag, large 500 g polyester  
Filters 013090. Radial filter bag, large antistatic  
Filters 013091. Radial filter bag, large Teflon  
Secondary filter 013095



1 pc  
1 pc  
1 pc  
1 pc

## Eurovac Hook Lift Container



The Eurovac hook lift container vacuum cleaner 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: approximately L 6058, W 2508, H 2571 mm.  
NB! Also available with a diesel engine.

Filters 013104. 1300 x 110, 500 g polyester	63 pcs
Filters 013105. 1300 x 110, antistatic 350 g polyester	63 pcs
Secondary filter 013008	

## Eurovac Front Mounted Container

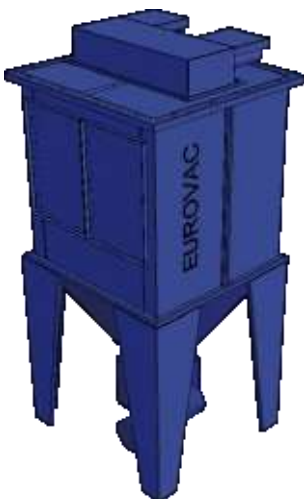


Eurovac front mounted containers are available in a number of models. One of the alternatives is a container, which can be used as a mobile vacuum cleaner, in which case the suction units, while another one is just a filter container, which requires a separate suction unit. The container can be fitted with hose filters or alternatively with two radial filters.

- Filtering area with hose filters 15 m<sup>2</sup>
- Filtering area with radial filters 10 m<sup>2</sup>
- Waste section about 3 m<sup>3</sup>

Dimensions: approximately L 1500, W 1500, H 1500 mm.  
Dimensions vary depending on the model.

## Eurovac Noppa Filtering Unit



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

Cleaning of the filter takes place by reverse suction in two sections. The arrangement ensures highly efficient cleaning of the filter even when the unit is running.

- Filtering area 15 m<sup>2</sup>
- With hose filters
- Collection of dust into e.g. a big bag

Dimensions: approximately L 2560, W 1200, H 1150 mm.

Filters 013111. 1000 x 110, 500 g polyester	42 pcs
Filters 013109. 1000 x 110, antistatic 350 g polyester	42 pcs



# PRE-SEPARATORS

## Eurovac Hook Lift Container with Pre-Separator 20 m<sup>3</sup>

Eurovac hook lift containers with a pre-separator is used at sites where dust quantities are large. In this case the suction unit is often a rotary piston unit.

- Approximate dimensions L 5500, W 2170, H 2340
- Waste section about 20 m<sup>3</sup>



## Eurovac Front Mounted Container with Pre-Separator 3 m<sup>3</sup>

Font mounted containers with a pre-separators are generally used e.g. with a 1400 filtering unit.

- Approximate dimensions L 1700, W 1500, H 1620
- Waste section about 3 m<sup>3</sup>



## Eurovac-SPC Cyclones

Cyclones are dimensioned according to the air flow. The most widely used SPC cyclone used in central vacuum cleaning systems is Ø 500.

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



## Eurovac Dump Container Pre-Separators

Dump container pre-separators are available in three sizes: With 300 l, 600 l and 1000 l dump containers.



## Eurovac Cyclone with 200 l tank

Eurovac Cyclones with a 200 l tank are widely used e.g. with the vacuum cleaners of the Eurovac Blue Line series.

The cyclone can be equipped with a wall bracket and waste bin wheels.



# SUCTION UNITS

## Eurovac Rotary Piston Suction Unit



Eurovac rotary piston suction units are generally mounted in sound-proof body, in which case they are fitted with a secondary filter.

Secondary filter 013095. Cartridge type filter 1 pc

Model	Output	Max. negative pressure	Max. air flow	Weight
ZG-80V	15 kW	490 mbar	760 m <sup>3</sup> /h	590 kg
ZG-100V	30 kW	490 mbar	1310 m <sup>3</sup> /h	700 kg
ZG-125V	37 kW	490 mbar	1960 m <sup>3</sup> /h	1260 kg
ZG-150V	45 kW	490 mbar	2400 m <sup>3</sup> /h	1680 kg
ZG-175V	75 kW	490 mbar	3960 m <sup>3</sup> /h	2420 kg

## Eurovac side channel fans



Eurovac side channel fans are also available in a sound-proof body, and fitted with a secondary filter, if required.

Output kW	Max. negative pressure [mbar]	Max. air flow m <sup>3</sup> /h	Weight [kg]
5.5	280	530	
7.5	320	530	66
15	350	920	116
18.5	310	1370	131
25	440	1110	211
25	310	2050	235

We also manufacture the following products tailored to the customer's needs:





- High-power vacuum cleaners
- Eurovac chip and dust removal systems
- Material separation and removal systems
- Eurovac flue gas filtering systems

# ACCESSORIES


## SUCTION HOSES

Code	Name
011021	Suction hose 38 mm, antistatic
011033	Suction hose 50 mm, antistatic
011436	Polyurethane suction hose 76 mm, roll 15 m
011437	Polyurethane suction hose 102 mm, roll 15 m
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

Code	Name	
	010033	Cleaning kit Ø 38 mm, 5 m, antistatic
	010051	Cleaning kit Ø 50 mm, 5 m, antistatic
	010056	Cleaning kit Ø 76 mm, 5 m, antistatic
	011059	Hose coupling to 38 mm suction pipe, antistatic, soft rubber
	011073	Hose coupling to 50 mm suction pipe, antistatic, soft rubber
	011143	Suction bar 38 mm aluminium
	011160	Suction bar 50 mm aluminium
	011181	Suction bar 76 mm aluminium with grips
	012017	Floor nozzle Ø 38 mm, L 375 mm, aluminium frame
	012018	Floor nozzle Ø 38 mm, L 450 mm, aluminium frame
	012022	Floor nozzle Ø 50 mm, L 375 mm, aluminium frame
	012023	Floor nozzle Ø 50 mm, L 450 mm, aluminium frame
	012024	Floor nozzle Ø 50 mm fully aluminium L 500 mm with rubber strips
	012091	Floor nozzle Ø 75 mm, L 510 mm, (special-purpose nozzle)
	011107	Hose coupling to suction box 38/60
000500	Hose coupling to suction box 38/76	


## CLEANING KITS AND NOZZLES

	Code	Name
	011106	Hose coupling to suction box 50/60
	011104	Hose coupling to suction box 50/76
	011109	Hose coupling to suction box 50/102
	011108	Hose coupling to suction box 76/76
	011109	Hose coupling to suction box 76/102
	012046	Dust brush 38 mm round
	012047	Dust brush 50 mm round
	012053	Crevice nozzle 38 mm steel, L 1000 mm
	012056	Crevice nozzle 50 mm aluminium, P 500-1000 mm, straight/ curved

## HOSE REELS AND RACKS

	Code	Name
	016015	Hose reel, large for 38, 50, 63 or 76 mm hose. Maximum hose length 50 m
	016006	Hose rack with accessories basket and suction tube holder

## METAL CENTRAL VACUUM CLEANER PIPELINE




	Code	Name
	014000	Galvanized steel tube      Ø 60 mm. Length 6 m.
	014001	Galvanized steel tube      Ø 76 mm. Length 6 m.
	014002	Galvanized steel tube      Ø 102 mm. Length 6 m.
	014008	Galvanized steel tube      Ø 127mm. Length 6 m.



## METAL CENTRAL VACUUM CLEANER PIPELINE

	Code	Name
	014040	Elbow 45° 60 mm
	014039	Elbow 45° 76 mm
	014073	Elbow 45° 102 mm
	014078	Elbow 45° 127 mm
	014044	Elbow 90° 60 mm
	014043	Elbow 90° 76 mm
	014074	Elbow 90° 102 mm
	014075	Elbow 90° 127 mm
	014024	Branch 45° A60/B60/C60
	014022	Branch 45° A76/B76/C76
	014023	Branch 45° A76/B60/C76
	014030	Branch 45° A102/B102/C102
	014031	Branch 45° A102/B76/C102
	014032	Branch 45° A127/B127/C127
	014033	Branch 45° A127/B102/C127
	014049	Changeover piece 76/60
	014045	Changeover piece 102/76
	014076	Changeover piece 127/102
	014090	Eurovac aluminium suction box 60 mm
	014095	Eurovac aluminium suction box 76 mm
	014094	Eurovac aluminium suction box 102 mm
	014055	Collar adaptor 60 mm
	014057	Collar adaptor 76 mm
	014064	Collar adaptor 102 mm
	014066	Collar adaptor 127 mm

## METAL CENTRAL VACUUM CLEANER PIPELINE

	Code	Name
	014061	Pipe clamp 60 mm
	014062	Pipe clamp 76 mm
	014512	Pipe clamp 102 mm
	014511	Pipe clamp 127 mm
	014505	Bar clamp with M10 thread
	014500	Console clamp 300 mm
	014501	Console clamp 600 mm
	014504	Console clamp 1000 mm

## OUR SYSTEMS



Eurovac dump container vacuum cleaner



Eurovac-filtering unit with 200 l tank



# OUR SYSTEMS



Blueline +200 l pre-separator



Metal central vacuum cleaner pipeline



Eurovac 1400+SPC50 pre-separator

# CONTACT INFO

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