



Suomen  
IMURIKESKUS

EUROVAC Central Cleaning Systems

www.suomenimurikeskus.fi

INTRODUCTION

Suomen Imurikeskus Oy has been manufacturing and installing Eurovac central vacuum cleaners for industrial and power plant 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

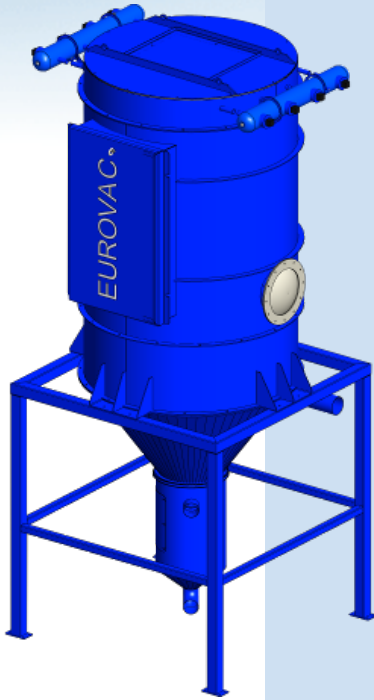
If there is no pipeline for the central vacuum cleaner system, our professional sales staff will assist the customer in selecting the dimensions and the routing of the pipes. If required, Suomen Imurikeskus Oy will deliver the systems on the turn-key basis.

CONTENTS

INTRODUCTION	2
CONTENTS	3
FILTERING UNIT FOR CENTRAL VACUUM.....	4
Eurovac 1400/32 filtering unit	4
Eurovac 1400/24 filtering unit	4
Eurovac 900/15 filtering unit.....	5
Eurovac 900/10 filtering unit.....	5
Eurovac 580 filtering unit, with 60l or 100l tank.....	6
Eurovac Blue Line series	6
Eurovac dump container filtering unit.....	7
Eurovac Blue Line 1000.....	7
Eurovac hook lift container.....	8
Eurovac front mounted container	8
Eurovac Noppa filtering unit	8
PRE-SEPARATORS.....	9
Eurovac Hook Lift Container with Pre-Separator 20 m ³	9
Eurovac Front Mounted Container with Pre-Separator 3 m ³	9
Eurovac Front Mounted Container with Pre-Separator 5 m ³	9
Eurovac SPC cyclones	9
Eurovac dump container pre-separators	9
SUCTION UNITS	10
Eurovac rotary piston suction units	10
Eurovac sidechannel fans.....	10
ACCESSORIES.....	11
Suction hoses	11
Cleaning kits and nozzles	11
Hose reels and racks.....	12
Metal central vacuum cleaner pipeline.....	12
SAMPLES OF OUR SYSTEMS	14
CONTACT INFO.....	16

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 m².

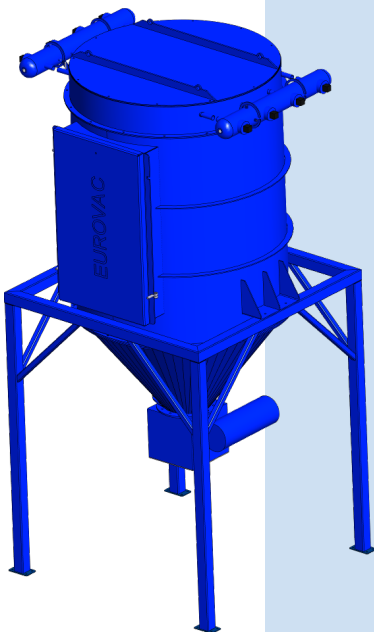
Cleaning of the filters is executed with automated pneumatic air pulse. The arrangement ensures highly efficient cleaning of the filters even when the unit is running.

- Filtering area 32 m²
- 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 Nm³/min, 6 bar

Dimensions: height approximately 4500, Ø 1450 mm

Filters 013215. 2000 x 200, 500 g polyester	26 pcs
Filters 013214. 2000 x 200, antistatic 350 g polyester	26 pcs

EUROVAC 1400/24 FILTERING UNIT



Fitted with hose filters with the filtering area of 24 m².

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 m²
- 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 Nm³/min, 6 bar

Dimensions: height approximately 4000, Ø 1450 mm

Filters 013211. 1500 x 200, 500 g polyester	26 pcs
Filters 013210. 1500 x 200, antistatic 350 g polyester	26 pcs

EUROVAC 900/15 FILTERING UNIT

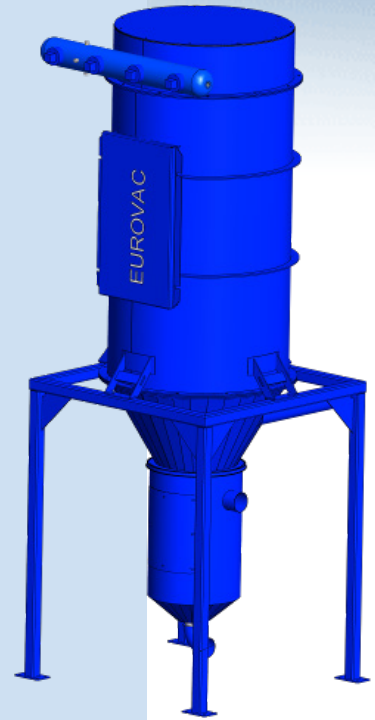
Fitted with hose filters with the filtering area of 15 m².

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 m²**
- **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 Nm³/min, 6 bar**

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 900/10 FILTERING UNIT

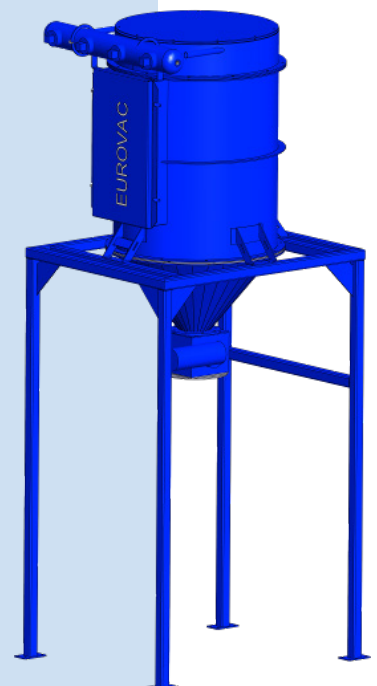
Fitted with hose filters with the filtering area of 10 m².

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.

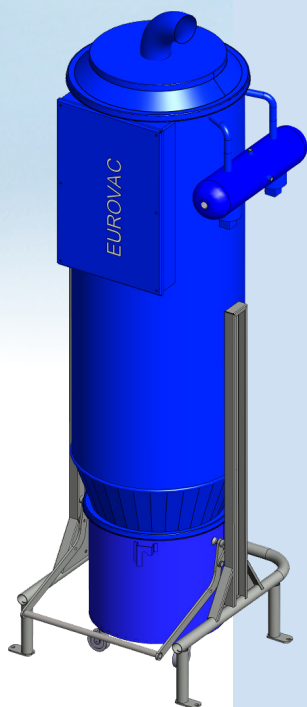
- **Filtering area 10 m²**
- **With hose filters**
- **Collection or discharge of dust according to the preference**
- **Possibility of connecting to the pre-separator and the reverse flow system.**
- **Pneumatic air requirement 0,1 - 0,2 Nm³/min, 6 bar**

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 580 FILTERING UNIT, WITH 60L OR 100L TANK



Fitted with hose filters with the filtering area of 4 m².

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 m²**
- **With hose filters**
- **Collection of dust into a 60 l or 100 l tank**
- **Pneumatic air requirement 0,1 Nm³/min, 6 bar**

Mitat: Korkeus noin 2280, Ø780

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 BLUE LINE SERIES

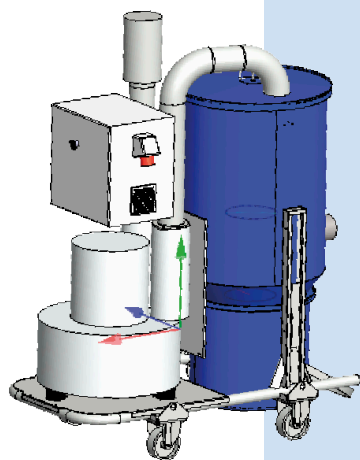
Industrial vacuum cleaners of the Blue Line series can be used either as mobile cleaners or stationary central vacuum cleaning systems.

- **Filtering area 4 m²**
- **With a radial filter**
- **Collection of dust into a 60 l tank**
- **Vibration cleaning of the filter**

Mitat: K 1500 L 670 P 1420 mm

Saatavilla seuraavilla sivukanavapuhaltimilla:
5.5 kW, 7.5kW, 11 kW, 12,5 kW ja 25 kW

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 m².

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.

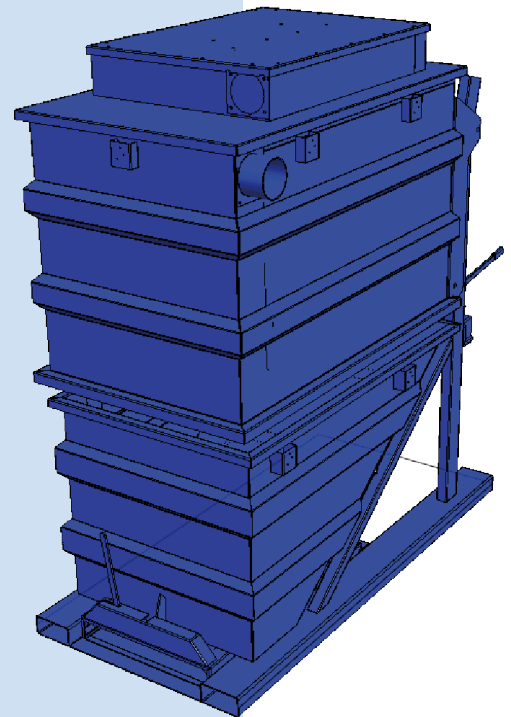
The suction unit can be fixed to the filtering unit, in which case the vacuum cleaner can also be used as a mobile cleaner.

- **Filtering area with hose filters 20 m²**
- **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	63 pcs
Filters 013109. 1000 x 110, antistatic 350 g polyester	63 pcs
Secondary filter 212158	2 pcs



EUROVAC BLUE LINE 1000

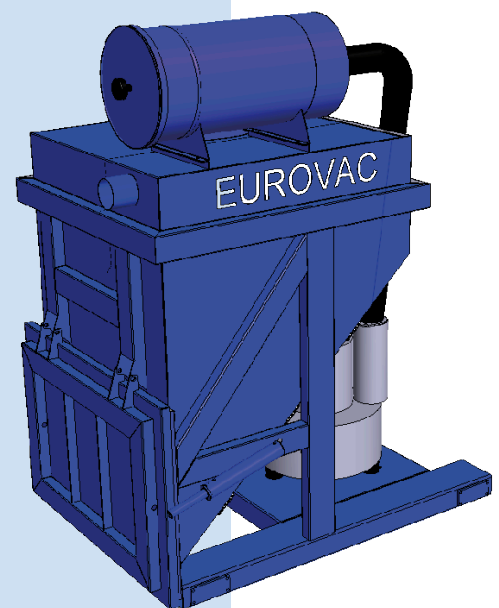
Industrial vacuum cleaners Blue Line 1000 can be used either as mobile cleaners or stationary central vacuum cleaning units.

- **Filtering area 4 m²**
- **With a radial filter**
- **Collection of dust into a 600 l waste compartment**
- **Vibration cleaning of the filter**

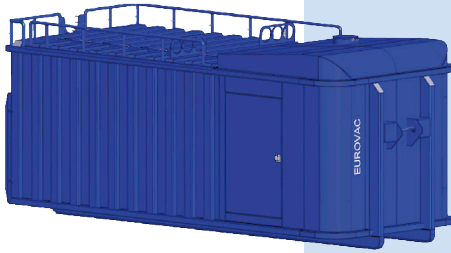
Approximate dimensions: H 2200 W 1700 L 1470

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	1 pc
Filters 013090. Radial filter bag, large antistatic	1 pc
Filters 013091. Radial filter bag, large Teflon	1 pc
Secondary filter 013095	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.

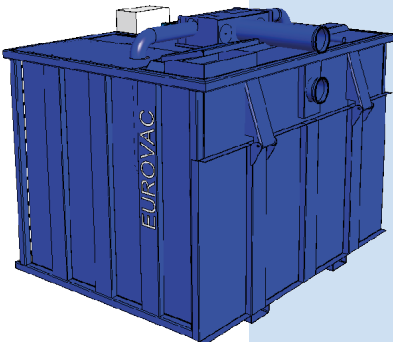
The filtering unit is fitted with hose filters with the filtering area of 30 m². Cleaning of the filter takes place by applying reverse suction. The arrangement ensures highly efficient cleaning of the filter even when the unit is running.

- **Filtering area 30 m²**
- **Waste section 13 m³**

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 013095	1 pcs

EUROVAC FRONT MOUNTED CONTAINER

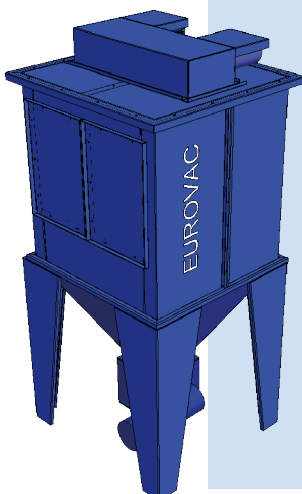


Eurovac front mounted containers are available in a number of models. One of the alternatives is a container, which can be used as a mobile vacuum cleaner, in which case the suction units, while another one is just a filter container, which requires a separate suction unit. The container can be fitted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

- **Filtering area with hose filters 15 m²**
- **Filtering area with radial filters 10 m²**
- **Waste section about 3 m³**

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 m². 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 m²**
- **With hose filters**
- **Collection of dust into e.g. a big bag**

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

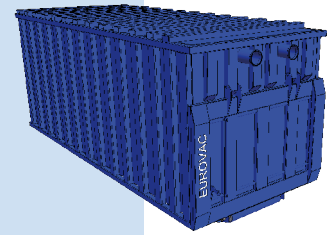
Filters 013111. 1000 x 110, 500 g polyester	42 pcs
Filters 013109. 1000 x 110, antistatic 350 g polyester	42 pcs

PRE-SEPARATORS

EUROVAC HOOK LIFT CONTAINER WITH PRE-SEPARATOR 20 M³

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.

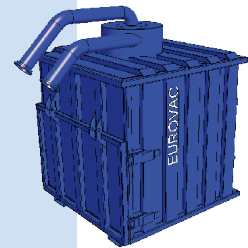
- Approximate dimensions L 5500, W 2170, H 2340
- Waste section about 20 m³



EUROVAC FRONT MOUNTED CONTAINER WITH PRE-SEPARATOR 3 M³

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

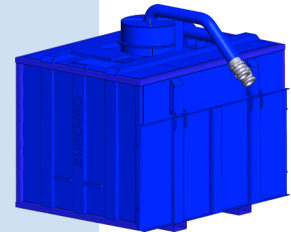
- Approximate dimensions L 1700, W 1500, H 1620
- Waste section about 3 m³



EUROVAC FRONT MOUNTED CONTAINER WITH PRE-SEPARATOR 5 m³

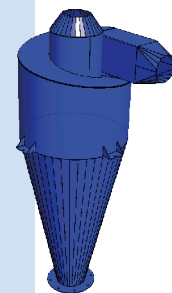
Font mounted containers with a pre-separators are generally used e.g. with a 1400 filtering unit.

- Approximate dimensions L 1950, W 2256, H 2170 mm
- Waste section about 5 m³



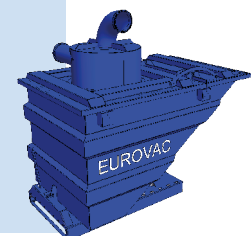
EUROVAC SPC CYCLONES

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.



SUCTION UNITS

EUROVAC ROTARY PISTON SUCTION UNITS

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

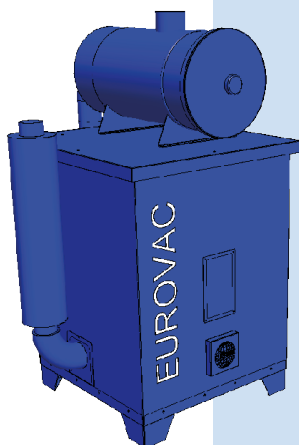
Model	Output (kW)	Max. negative pressure (mbar)	Max. air flow (m ³ /h*)
RBS 85	22	440	1098
	30	490	1386
	37	490	1818
	45	490	2250
RBS 105	75	490	3648
RB-DV 85	75	790	2263**
RB-DV 125	90	790	2840**

*Nominal max. air flow in 200 mbar negative pressure

**Nominal max. air flow in 300 mbar negative pressure

EUROVAC SIDECANNEL FANS

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



Model	Output (kW)	Max. negative pressure (mbar)	Max. air flow (m ³ /h)
	5,5	280	530
	7,5	320	530
	11	430	560
	12,5	280	1050
	15	350	920
	25	440	1110
	25	310	2050

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



	Koodi	Nimike
	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	

	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
	014040	Elbow 45° 60 mm
	014039	Elbow 45° 76 mm
	014073	Elbow 45° 102 mm
	014078	Elbow 45° 127 mm

	Code	Name
	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
	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

SAMPLES OF OUR SYSTEMS



Eurovac 1400 + SPC 50 cyclone pre-separator



Eurovac 45 kW rotary piston suction unit + dump filtering unit



Central vacuum pipeline



Eurovac 1400 + 3 m³ pre-separator container



Eurovac 900 + dump pre-separator 1 m³

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