

High Vacuum Extraction Units

For Heavy Duty Clean-Up of Machines, Floors and Workstations

EUROSOG-W / -I-D

DUROSOG-W / -I-D

WHISPERSOG

CENTRASOG

CVS 2.0

MULTISOG-1 and 4



Application Range

- » Automotive Repair Shops
- » Carpenters
- » Chemical Industry
- » Construction Industry
- » Craftsmen's Workshops
- » Flocking Industry
- » Janitorial Services
- » Machine Building Industry
- » Natural and Man-made Stone Processing (Stone Masons)
- » Paper Industry
- » Printing Industry
- » Textile Industry
- » Transportation Businesses
- » Warehouses and Industrial Plants

Test Certification:



Device overview according to harmful substances

	High vacuum extraction units						
		EUROSOG-W	EUROSOG-I-D	DUROSOG-W	DUROSOG-I-D	WHISPERSOG	CENTRASOG CVS 2.0
Page		29	30	31	32	33	34
Aluminum dust							
Cotton fibres					•		
Concrete dust	•	•				•	
Chemical dust	•	•	•	•	•	•	
CRP-/GRP-shavings	•	•				•	
Dental dusts	•	•					
Pigments							
Moist dusts							
Flock dusts				•	•		
Lint				•	•		
Foil tinsel				•	•		
Odors							
Spice dust	•	•					
Glass dust	•	•				•	
Graphite powder	•	•					
Rubber and leather dust	•	•					
Plastic shavings	•	•				•	
Plastic dusts	•	•				•	•
Sticky dust				•	•		
Chalk	•	•					
Flour dust							
Metal shavings	•	•					
Metal shavings (fraught emulsion)							
Metal dusts	•	•	•	•	•	•	•
Mineral dusts	•	•				•	
Oil mist/aerosols							
Paper dust	•	•	•	•	•	•	
Scraps of paper			•	•	•		
Soot							
Welding Fume							
Stone dust	•	•					
Tabacco fibres			•	•	•		
Textile fibres			•	•	•		
Toner dust						•	
Cement dust	•	•					

This table lists only the best-known types of dust and does not claim to be complete. It serves for orientation and pre-selection of the suitable device. Before final purchase, however, you should contact the experts at ESTA, as this pre-selection should be checked again on the basis of a number of factors such as process, grain size or characteristics of the material. Service Hotline: **+49 7307 3409680-0**

High Vacuum Extraction Units

Introduction and Product overview

Introduction

ESTA's range of industrial vacuum cleaners are highly versatile and ideally suited for cleaning machines, floors and working areas. All products are notable for their strong suction performance and high quality workmanship. Tilting filter housing (patented by ESTA), such as in the EUROSOG and WHISPERSOG appliances, guarantees the effortless disposal of dust and debris.

Product overview

The **EUROSOG** is a powerful industrial vacuum cleaner for dry dusts. It comes in both AC and DC versions.

DUROSOG machines are very good for sticky dusts and textile lint. The optionally insertable piggyback pre-separator allows these mobile designs also to extract fluid-laden shavings.

The **WHISPERSOG** is a very quiet but powerful vacuum especially designed for continuous operation.

The stationary dust extraction system **CENTRASOG CVS 2.0** can be connected up to 3 or 15 suction points via pipe.

The **MULTISOG** models can be used as wet or dry vacuum cleaners.

The series is rounded out by the handy **PRETTYBOY 309** industrial vacuum cleaner.

Mobile and powerful

ESTA's industrial vacuum cleaners are powerful yet flexible. They are just as suited for occasional use as they are for continuous operation. They boast compact construction and are highly manoeuvrable and mobile thanks to their smooth-running fixed and swivel castors.

Quality of workmanship

ESTA industrial vacuum cleaners stand for quality. This is ensured by:

- Internal device inspection and final inspections
- Audited production facilities
- External device test certificates from DEKRA, IFA, etc.
- "Made in Germany"

Comprehensive range of accessories

Effective suction technology requires efficient accessories. To ensure the best possible results, we offer a wide range of accessories for our industrial vacuum cleaners:

- Pre-separation systems
- Suction nozzles
- Pipes and connectors
- and much more



Custom models

We can also supply many of our appliances to custom specifications, according to your individual requirements:

- Special voltages
- Special filters
- Special finishes
- More customisation options on request



Industrial Vacuum Cleaner *EUROSOG-W*



EUROSOG-W

Application Range

- » Clean up work of coarse and fine dust
- » Cleaning of machines in factories and workshops
- » AC version for occasional use



Ideal for

- Cotton dust
- Wood dust
- Metal dust
- Mineral dust
- Paper dust
- Tabacco fibres
- ... and many more



Thanks to the diagonal tube nozzle, even places that are difficult to access can be freed of dust and dirt.

Technical Data

EUROSOG		-W
Max. volume flow	m³/h	360
Intake opening	mm	50
Max. negative pressure	Pa	18.600
Mains voltage	V	230
Nominal power	kW	3 x 1.0
Main filter surface	m²	2/5
Collection volume	l	80
Dimensions (L/W/H)	mm	932 x 660 x 1.140
Weight	kg	76
Sound pressure level	dB(A)	74

Order Number

EUROSOG-W – Standard model	80.198
EUROSOG-W/H with TÜV-certificate for dust classification H	80.299
EUROSOG-W/M with TÜV-certificate for dust classification M	80.399

Special Features

- » AC version for occasional use (AC powered model with three suction fans)
- » Manual brush cleaning mechanism for cleaning of the cartridge filter
- » Availability of cleanable cartridge filters for dust classifications M and H
- » Test certificates M and H available

Your Benefits

- » High suction force in dry dust
- » Low operating costs through the use of cleanable long life cartridge filters
- » Tilt-back filter housings for easy dust disposal
- » Small space requirement due to compact design
- » High mobility by smooth turning castors

Data dependent on equipment type

High Vacuum Extraction Units

Industrial Vacuum Cleaner *EUROSOG-I-D*



EUROSOG-I-D

Application Range

- » Recommended for clean up work of coarse and fine dust



Ideal for

- Cotton dust
- Wood shavings
- Wood dust
- Metal dust
- Mineral dust
- Paper dust
- Tabacco fibres
- ... and many more



Gold Medal Award recipient from the Secretary of Economics for outstanding innovative achievements.



EUROSOG-I-D with floor nozzle for cleaning the shop

Special Features

- » For continuous operation (DC version)
- » Manual brush cleaning mechanism for cleaning of the cartridge filter
- » Availability of cleanable cartridge filters for dust classifications M and H
- » Test certificates M and H available
- » Optionally available as ATEX version

Your Benefits

- » High suction force in dry dust
- » Low operating costs through the use of cleanable long life cartridge filters
- » Tilt-back filter housings for easy dust disposal
- » Small space requirement due to compact design
- » High mobility by smooth turning castors

Data dependent on equipment type

Technical Data

EUROSOG		-I-D
Max. volume flow	m ³ /h	260
Intake opening	mm	50
Max. negative pressure	Pa	19.500
Mains voltage	V	400
Nominal power	kW	2,2
Main filter surface	m ²	2/5
Collection volume	l	80
Dimensions (L/W/H)	mm	1.030 × 670 × 1.240
Weight	kg	81
Sound pressure level	dB(A)	77

Order Number

EUROSOG-I-D/N (standard model)	81.198
EUROSOG-I-D/M with TÜV-test certificate for dust classification M	81.399
EUROSOG-I-D/H with TÜV-test certificate for dust classification H	81.299
EUROSOG-I-D ATEX version	81.200

ESTA PLUS

Industrial Vacuum Cleaner *DUROSOG-W*



DUROSOG-W

Application Range

- » For sticky substances and dust that tends to clump
- » Cleaning of machines in factories and workshops
- » AC version for occasional use



Ideal for

- Chemical dust
- Sticky dust
- Metal dust
- Paper dust
- Tabacco fibres
- ... and many more



DUROSOG-W for cleaning machines



The pre-separator container can be removed with one easy step. This is where the coarser dust and debris will be collected.

Easy disposal of the dust with a disposable paper filter bag.

Special Features

- » AC version for occasional use
- » Integrated pre-separator for rough dirt
- » Disposable paper filter bag
- » Test certificates for dust classification M and H available

Your Benefits

- » With the use of special filtration technology this model is suitable for dry dust, sticky dust and dust that tends to clump
- » Convenient dust disposal in a paper filter bag
- » Small space requirement due to compact design
- » High mobility by smooth turning castors

Data dependent on equipment type

Technical Data

DUROSOG		-W
Max. volume flow	m ³ /h	360
Intake opening	mm	50
Max. negative pressure	Pa	22.000
Mains voltage	V	230
Nominal power	kW	3 × 1.0
Main filter surface*	m ²	3
Dust filter bag	l	70
Dimensions (L/W/H)	mm	660 × 630 × 950
Weight	kg	41
Sound pressure level	dB(A)	74

Order Number

DUROSOG-W/N (Standard model)	8024 N
DUROSOG-W/M (Dust classification M)	8024 M
DUROSOG-W/H (Dust classification H)	8024 H

* Filter only with certified model

High Vacuum Extraction Units

Industrial Vacuum Cleaner *DUROSOG-I-D*



DUROSOG-I-D

Application Range

- » Three-phase powered industrial vacuum cleaner for defined continuous duty applications – ideal for sticky substances and dust that tends to clump
- » Fibres and shavings

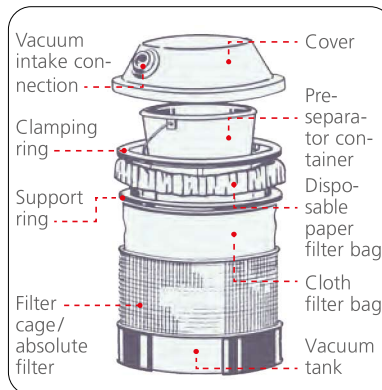


Ideal for

- Chemical dust
- Metal shavings
- Paper dust
- Tabacco fibres
- ... and many more



DUROSOG-I-D in operation



ESTA PLUS

Special Features

- » For continuous operation (DC version)
- » Integrated pre-separator for rough dirt
- » Disposable paper filter bag
- » Test certificates for dust classification M, H and Zone 22** available

Your Benefits

- » With the use of special filtration technology this model is suitable for sticky dust and material that tends to clump
- » Convenient dust disposal in a paper filter bag
- » Small space requirement due to compact design
- » High mobility by smooth turning castors

Data dependent on equipment type

Technical Data

DUROSOG		-I-D
Max. volume flow	m ³ /h	300
Intake opening	mm	50
Max. negative pressure	Pa	22.000
Mains voltage	V	400
Nominal power	kW	2.2
Main filter surface*	m ²	3
Dust filter bag	l	70
Dimensions (L/W/H)	mm	850 × 630 × 950
Weight	kg	80
Sound pressure level	dB(A)	72

Order Number

DUROSOG-I-D/N (Standard model)	8120N
DUROSOG-I-D/M (Dust classification M)	8120M
DUROSOG-I-D/H (Dust classification H)	8120H
DUROSOG-I-D ATEX	8123

* Filter only with certified model

** Suitable for vacuuming dry and flammable types of dust out of zone 22

Industrial Vacuum Cleaners

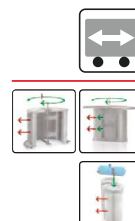
WHISPERSOG



High vacuum WHISPERSOG

Application Range

- » Clean up work of coarse, fine and pourable types of dust
- » Direct extraction from manual processing machines and those in continuous operation
- » Connection to pipelines



Ideal for

- Cotton dust
- Plastic dust
- Mineral dust
- Paper dust
- Tabacco fibres
- ... and many more



The WHISPERSOG is suitable for many applications

Special Features

- » For continuous operation (DC version)
- » Manual brush cleaning mechanism and pulse-jet filter cleaning system
- » Cleanable long life cartridge filters (Dust classification M)

Your Benefits

- » Low-noise, high-performance vacuum cleaners for dry dust
- » Low operating costs through the use of cleanable long life cartridge filters
- » Tilt-back filter housings for easy dust disposal
- » Small space requirement due to compact design
- » High mobility by smooth turning castors

Data dependent on equipment type

Technical Data

WHISPERSOG		2,2	3,0
Max. volume flow	m³/h	300	216
Intake opening	mm	50	50
Max. negative pressure	Pa	21.000	31.500
Mains voltage	V	400	400
Nominal power	kW	2.2	3.0
Main filter surface	m²	2	2
Collection volume	l	80	80
Dimensions (L/W/H) (Manual filter cleaning)	mm	1.300 × 640 × 1.250	1.300 × 640 × 1.250
Weight	kg	105	120
Sound pressure level	dB(A)	73	75

Order Number

Manual filter cleaning system	83.101	83.102
Pulse-jet-cleaning	83.113	—

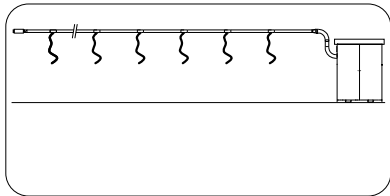
High Vacuum Extraction Units

Central Vacuum Cleaner

CENTRASOG CVS 2.0



CENTRASOG CVS 2.0



CENTRASOG CVS 2.0 at a central conduit

Application Range

- » Central high vacuum dust extraction system for industrial and handicraft enterprises
- » Machines and workplace cleaning
- » Connecting of portable hand held machine tools
- » In special design as a central vacuum system for car interior cleaning at car wash



Ideal for

- Plastic dust
- Metal dust
- Dirt and shavings
- ... and many more

Special Versions

- » Custom paint finish
- » Variation for car interior cleaning
- » Weather-resistant housing for outdoor installation



Simple car interior cleaning at multiple extraction points



Weather-resistant housing for outdoor installation

ESTA PLUS

Special Features

- » High performance side channel blowers – for maximum suction capacity
- » Fully assembled, immediately ready for use
- » Two-stage filter system with integrated cyclone pre-separator and filter cartridge of dust class M

Your Benefits

- » Low operating costs with cleanable long life filter cartridges
- » Compact and user friendly design
- » Low operating noise through sound-insulated housing

Data dependent on equipment type

Technical Data

CENTRASOG CVS 2.0		8	12	15
Max. volume flow	m ³ /h	700	1.000	1.950
Intake opening	mm	160	160	160
Max. negative pressure	Pa	19.000	18.000	13.000
Mains voltage	V	400	400	400
Nominal power	kW	8.5	12.5	15.0
Max sucking station	Ø36/50 mm	6/3	10/6	15/9
Main filter surface	m ²	16.0	16.0	16.0
Collection volume	l	200	200	200
Dimensions (L/W/H)	mm	2.170 × 1.078 × 2.433		
Weight	kg	840	900	950
Sound pressure level	dB(A)	78	78	78
Order Number		87.500	87.600	87.700

Wet and dry vacuum

MULTISOG-1 and -4



MULTISOG-1



MULTISOG-4

Application Range

- » Clean up work in office and work areas
- » Suitable for dust, dirt and liquids



Ideal for

- Dust
- Dirt
- Liquids
- ... and many more



Special Features

- » Three power levels, depending on the application
- » Paper filter bags
- » Fabric filter
- » Mechanical liquid shut off device
- » Stainless steel boiler (Multisog-4)

Your Benefits

- » Suitable for dust, dirt and liquids
- » Small space requirement due to compact design
- » Easy disposal of the collected dust

Data dependent on equipment type

Technical Data

MULTISOG		-1	-4
Max. volume flow	m³/h	215	250
Intake opening	mm	36	50
Max. negative pressure	Pa	21.000	20.500
Mains voltage	V	230	230
Nominal power	kW	1.2	1.5
Collection volume	l	35	35
Dimensions (L/W/H)	mm	500 × 500 × 840	600 × 500 × 900
Weight	kg	13	25
Sound pressure level	dB(A)	67	62
Order Number		4622	4533

High Vacuum Extraction Units

Pre-separator Systems for Industrial Vacuum Cleaners and/or mobile Extractors

Which pre-separator should be used for which application?

Dry	Wet	Light material and dust
Heavy, coarse substances and larger quantities of dust.	Materials that are soaked in liquid (Metal shavings and coarse particles, etc.) will be collected in a strainer basket, while the liquid drains down into a collection container that can be emptied through a drain valve.	Large quantities of light materials and dust should be collected in a disposable paper filter bag.
Scope of delivery	Scope of delivery	Scope of delivery
Wheel base, pre-separator container with plastic bag insert, cover with intake and outlet connection to the vacuum.	Wheel base, pre-separator container and strainer basket, cover with float valve and intake and outlet connection to the vacuum.	Wheel base, pre-separator container with hose connection on the side, filter cage and cloth filter bag for inserting disposable paper filter bags and connection to the vacuum cleaner.
Pre-separator TR 1 with 100 liter container Order-Number: 1100	Pre-separator NA 1 with 100 liter container Order-Number: 1102	Pre-separator ST 1 with 100 liter container Order-Number: 1103
Pre-separator TR 2 with 200 liter container Order-Number: 1200	Pre-separator NA 2 with 200 liter container Order-Number: 1202	Pre-separator ST 2 with 200 liter container Order-Number: 1203

Your Benefits

- » The ideal complement for industrial vacuums for applications With solid dry and wet dust types as well as large quantities of shavings

Data dependent on equipment type