Stationary Dust Extractors

For high performance dust extraction

ESTA 70
ESTA 100
TK
TK/H
OM
COMPEX
MOBEX
NA-K/NA
DUSTEX
ZA-Cyclone

Industry Applications

Construction Industry

Printing Industry

Electronics Industry

Precision Mechanical Work

Aircraft Industry

Glass Production

Automotive Repair Shops

Plastics Processing Plants

Laboratories

Leather Industry

Machine Building Industry

Metalworking Industry

Natural and Man-Made Stone Work (Stone Masons)

Pharmaceutical Industry

Sandblasting Shops

Shoe Manufacturers

Vocational Schools

Steel Construction

Blasting Cabinets

Textile Industry

Mini dust collector OM connected to a surface finishing machine

Cyclone ZA 160 in operation

Compact dust extractor model COMPEX in the shoe industry

ESTA 100 connected to a belt sander

Wet separator NA-K extracting aluminium dust

Modular extractor DUSTEX in a metal-working application

Stationary Dust Extractors

Stationary Extractors from ESTA – Introduction and Product Overview

Introduction

Stationary dust extractors have their firmly established place next to the processing machine and throughout production plants. Utilizing suitable filter materials nearly all types of chips and dust can be extracted. The dust is extracted either directly at the outlet connection of the machine or with suitable extraction elements (for example hoods or extraction arms).

Heavy duty dust drawer

Bag filters made of cotton (standard) with mechanical shaker mechanism

Product Overview

Our mini dust extractor models ESTA 70 and ESTA 100 are particularly suitable for tight space. These very compact dust extractor units, which are recommended for applications with small amounts of dust are designed for intermittent duty applications. The mini dust extractor models of the TK- and OM-series round out the product program.

The compact dust extractors of the COMPEX-series have been developed for the professional extraction of difficult or hazardous types of dust. The extractor is to be connected to the dust generating machine and can be operated continuously. Cleaning of the long life cartridge filters or bag filters will be performed automatically with a pulse-jet cleaning system during operation.

Production of the mini dust collectors

Mini dust collector OM-12

The wet separator models NA-K/NA are best suited for applications generating sparks or for the extraction of sticky types of dust. With these units the dust filtration is accomplished by mixing the dust with water where it is then collected as sludge rather than extracting it with mechanical filter elements. For the extraction of explosive aluminium dust we are offering the wet separator units in a special approved design.
The DUSTEX models are dust extractors in the high performance range that can be used to extract dust from several machines simultaneously through a suitable pipe system.

The modular design of the DUSTEX units allows for future expansion of the extraction system.

Stationary Dust Extractors from Company ESTA – Advantages that Pay Off

User Friendly and Low Maintenance

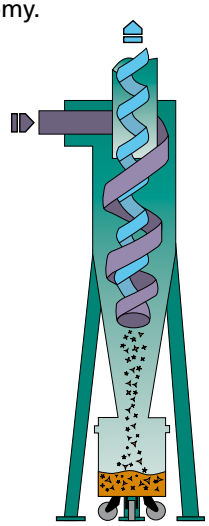
Whether it is the mini dust collector ESTA 70 or the central extraction system DUSTEX – all our equipment is easy to operate and maintain.
You will be able to focus on your work and not on the dust extraction process.

Operating Costs

Cleanable long life cartridge filters, perfectly matched cleaning methods and equipment components for continuous operation minimize the costs of downtime, set-up and replacement parts.
The productivity and efficiency of your operation increases – and ESTA has one more satisfied customer.

Know-How and Quality

Airflow technological designs based on decades of experience as well as scientific evaluations of empiric data are the corner stones of our continuous innovative growth in the applications of stationary dust extractors.
Investments in this area will stand up to any analysis for efficiency and economy.



On Site Installation

ESTA provides solutions that are customized to your needs from the initial consultation to the installation of the equipment on site. Perfect project planning and execution of each project are the basis for functioning and reliable dust extraction systems.

Stationary Dust Extractors

Your Benefits At a Glance

Mini Dust Collectors
ESTA 70 and ESTA 100

- Minimal space requirement
- Very easy to operate
- Very low operating costs
- Low maintenance

Mini dust collector ESTA 100

Product Description

The mini dust collectors ESTA 70 and ESTA 100 are designed for intermittent duty applications that generate smaller amounts of dust. A major advantage of these models is their minimal space requirement. These units can fit under a table or counter and can even fit on a shelf.

ESTA 100 connected to a belt sanding machine

Models for Special Applications

- High efficiency filter materials for very fine dust
- Motors in three phase or alternating current
- Custom paint finish

Technical Data

Model		ESTA 70	ESTA 100
Max. airflow	m^3/h	700	1.000
Intake diameter	mm	70	100
Max. negative pressure	Pa	1.000	1.000
Voltage	V	400	400
Motor	kW	0,55	0,55
Motor speed	1/min	2.800	2.800
Dimensions (L/W/H)	mm	320 x 320 x 660	420 x 420 x 850
Weight	kg	25	35
Sound level	dB(A)	71	74
Order Number		**11.071**	**11.101**

Features

Application Range:
- Extraction of individual workstations in industry and trade
- Grinding and buffing shops of precious stones
- Mechanical workshops
- Metalworking companies
- Repair shops
- Jewellery making shops

Special Feature:
- Stationary but compact enough to move around if necessary

Data dependent on equipment type

Mini Dust Collectors TK and TK-2.2

Your Benefits At a Glance

- Minimal space requirement
- Easy to handle
- Equipped with cleanable long life filters
- Low operating costs

Product Description

ESTA models TK and TK/H are compact dust extractors for intermittent duty applications. The fabric filter cleans the dust laden air and the clean air is returned into the workplace. The compact design allows for positioning of the dust collector in tight spaces such as under a table, counter or even on a shelf. The cleaning of the filters is performed by simply turning the crank handle which activates a shaker mechanism and causes the dust to drop down into the collection drawer. After the cleaning cycle the filtration capacity is fully restored and the dust collector operates at maximum efficiency.

Mini dust collector TK


Mini dust collector TK connected to a deburring machine

Models for Special Applications

- High efficiency filter materials for very fine dust
- Motors in three phase or alternating current
- Mobile unit with casters
- Sound dampening muffler
- Custom paint finish
- Filtration unit only without motor and fan housing
- Equipped with a turbine blower for applications requiring very high vacuum power (TK-2.2)

Technical Data

Model		TK-4	TK-6	TK-2.2
Max. airflow	m³/h	300	600	300
Intake diameter	mm	60	80	50
Max. negative pressure	Pa	1.100	1.400	21.000
Voltage	V	400	400	400
Motor	kW	0,55	0,55	2,2
Motor speed	1/min	2.800	2.800	2.800
Dimensions (L/W/H)	mm	400 x 400 x 590	400 x 400 x 590	830 x 460 x 655
Overall depth	mm	600	600	900
Weight	kg	40	40	60
Sound level	dB(A)	68	68	75
Order Number		**31.041**	**31.061**	**41.033**

Features

Application Range:
- Extraction of individual workstations in industry and trade
- Mechanical workshops
- Metalworking companies

Special Features:
- Cleanable pocket type fabric filters
- Heavy duty dust collection drawer

Data dependent on equipment type

Stationary Dust Extractors

Your Benefits At a Glance

Mini Dust Collectors OM

- Suitable for nearly all types of dust
- Versatile in its use
- Cleanable long life filter
- Low operating costs
- Minimal space requirement

Mini dust collector OM

Product Description

The powerful OM-model dust extractors are suitable for continuous duty operation on dust generating equipment. These units are characterized by their strong suction performance and quiet operation.

OM-12 connected to a surface finishing machine

Specialized Models and Options

- High efficiency filter material for very fine dust – also available with certification for dust classification M
- Motors in three phase or alternating current
- Custom paint finish
- Water pre-separator for spark generating applications
- Mobile unit with casters
- Sound dampening muffler

Technical Data

Model		OM-8	OM-10	OM-12
Max. airflow	m³/h	800	1.000	1.200
Intake diameter	mm	80	100	150
Height of intake connection	mm	300	300	300
Max. negative pressure	Pa	1.400	1.400	1.400
Voltage	V	400	400	400
Motor	kW	0,55	0,55	1,1
Dimensions (L/W/H)	mm	550 x 550 x 1.120	550 x 550 x 1.120	550 x 550 x 1.120
Width incl. return air filter	mm	670	670	670
Weight	kg	60	60	65
Sound level	dB(A)	65	66	72
Order Number		**21.081**	**21.101**	**21.122**

Features

Application Range:
- Intermittent or continuous duty use with moderate quantities of dust
- Electronics industry
- Metalworking industry
- Surface finishing technology
- Machine building

Special Features:
- Cleanable pocket type fabric filters
- Heavy duty dust drawer

Data dependent on equipment type

Your Benefits At a Glance

Mini Dust Collectors OMF

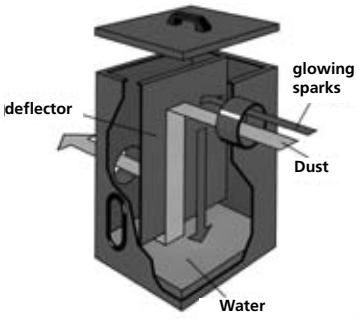
- Suitable for most types of dust
- Integrated spark separator
- Cleanable long life filter
- Low operating costs
- Minimal space requirement

Mini dust collector OMF

Product Description

The OMF-models are equipped with an integrated spark pre-separator. Before the dust laden air can reach the fabric filters it passes through a spark arrestor insert that eliminates any sparks that could potentially damage the filter bags. The spark arrestor insert can be removed through the front of the unit. All other features of this unit are identical with the mini dust collector type OM.

OMF connected to a belt sanding machine



accessories for OM-unit: water pre-separator

Technical Data

Model		OMF-8	OMF-10	OMF-12
Max. airflow	m³/h	800	1.000	1.200
Intake diameter	mm	80	100	150
Max. negative pressure	Pa	1.400	1.400	1.400
Voltage	V	400	400	400
Motor	kW	0,55	0,55	1,1
Dimensions (L/W/H)	mm	550 x 550 x 1.220	550 x 550 x 1.220	550 x 550 x 1.265
Width incl. return air filter	mm	670	670	670
Weight	kg	160	160	165
Sound level	dB(A)	68	68	74
Order Number		**21.308**	**21.310**	**21.312**

Features

Application Range:
- Continuous duty operation with moderate quantities of dust
- Machine building
- Electronics industry
- Metalworking industry
- Surface finishing technology

Special Features:
- Cleanable fabric pocket filter
- Integrated spark arrestor/ demisting insert

Data dependent on equipment type

Stationary Dust Extractors

Your Benefits At a Glance

Compact Extractors COMPEX

- Specifically designed for rubber, leather and plastic
- High extraction performance
- Cleanable long life cartridge filters
- Low operating costs
- Can be used in different locations as a mobile or stationary unit

COMPEX S 6.2

Product Description

Due to the use of specially coated filter material the COMPEX dust extractor is suitable for the extraction of challenging types of dust (such as rubber and leather dust as well as glue residues).
A fully automated pulse-jet cleaning system using bursts of compressed air purges the filters as needed to prevent the dust from sticking to the filters.

COMPEX in the shoe industry

The large capacity dust drawer only has to be emptied once after every shift. The cleaned air is returned into the workplace through the top of the unit to prevent unpleasant drafts. A special sound insulated hood reduces the operating noise of the dust extractor significantly. We will always work hard to provide you with the best solution for your application including special features such as automatic spark detection or a fire extinguishing system.

Technical Data

COMPEX		**S 6.2**	**1500**	**2500**
Max. airflow	m^3/h	3.250	1.800	2.300
Intake diameter	mm	2 x 160	150	2 x 140
Max. negative pressure	Pa	2.900	1.400	3.800
Voltage	V	400	230/400	400
Motor	kW	4	1,1	2,2
Filter surface	m^2	6,2	-	-
Dust collection container	Litre	180	-	-
Dimensions (L/W/H)	mm	1.264 x 804 x 2.220	760 x 510 x 1.900	810 x 760 x 2.002
Weight	kg	415	115	150
Type of filter		Schlauch	Filtergitter	Filtergitter
Sound level	dB(A)	76	76	76
Order Number		**21.145**	**21.141**	**21.142**

Features

Application Range:
- Continuous duty dust extraction on single and multiple workstations
- Dental labs (with PTFE coated cartridge filters)
- Plastics industry
- Shoe industry

Special Features:
- Pulse-jet filter cleaning system
- Cleanable long life cartridge filters rated for dust classification M
- Insertable disposal container in the drawer

Data dependent on equipment type

COMPEX – Compact Dust Extractors Special Design Models

- Specialized dust collector for threads, fluff and lint
- High extraction performance
- Tough filter mesh
- Low operating costs

COMPEX 1500

Product Description

The stationary extractors COMPEX 1500/2500 are particularly recommended for extracting dust containing thread, fluff and lint in the textile industry. These heavy duty units are designed for industrial use with two access panels for easy filter cleaning and removal of the collected textile residues. The COMPEX extractors are equipped with an easy to clean long life cartridge filter.

Gate valve at the intake connection to regulate the extraction performance

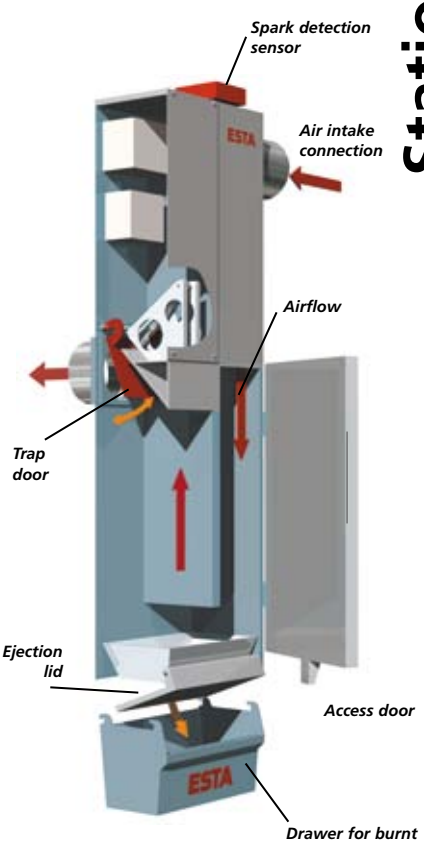
Large access door for filter cleaning

Features

Application Range:
- Effective continuous duty extraction of threads, fluff and lint in the textile industry

Special Features:
- Manual access for filter cleaning
- Specially designed filter mesh

Data dependent on equipment type



Schematic illustration of the fire protection system

Patented Fire Protection System

The ESTA fire protection system with spark detection sensor prevents sparks that have been extracted from entering the filter chamber.
If the sensor detects sparks the airflow will be cut off instantly thereby preventing the spark from entering the filter chamber.

Automatic Fire Extinguishing System

The COMPEX dust extractor can be equipped with an automated CO_2-fire extinguishing system that monitors the filter chamber of the extractor. If the inside of the unit exceeds a certain temperature it will activate the CO_2-fire extinguishing system. After the the CO_2 gas has dissipated no residues remain in the filter chamber and operation of the dust extractor can be resumed immediately. This type of set-up is especially recommended if the dust extractor will be operated unattended such as during the night or on weekends.

We are happy to assist you with competent advice. Give us a call at: +49 (0) 73 07-80 4-0. We look forward to hearing from you.

Stationary Dust Extractors

Your Benefits at a Glance

Compact Extractor
MOBEX Series

- For universal use for different types of dust, chips and welding fumes
- High suction power
- Quiet operation
- Cleanable filters for maximum filter life

W3

for MOBEX F-28 BIA W3,
MOBEX F-56 BIA W3

Mobile Extractor MOBEX P-20

Description

The MOBEX dust collector series can be utilized for powerful extraction at individual workstations as well as a central dust collection system for multiple extraction locations. Depending on the type of filter system the MOBEX units can be used for different types of dust, chips or welding fumes. Each model is available in two powerful sizes. The compact design and particularly the low operating noise permit positioning of the unit directly at the extraction location. With all models the filter elements are cleanable thereby ensuring low operating costs. For highest mobility each unit is equipped with openings at the bottom for transport with a forklift.

Technical Data

MOBEX		**T-10**	**T-20**	**P-20**	**P-40**	**F-28 BIA W3**	**F-56 BIA W3**
Max. airflow	m^3/h	2.700	4.400	2.400	4.400	2.400	4.400
Intake diameter	mm	200	250	200	250	200	250
Max. negative pressure	Pa	2.900	3.000	2.150	3.000	2.150	3.000
Voltage	V	400	400	400	400	400	400
Motor	kW	2,2	3	2,2	3	2,2	3
Filter area	m^2	10	20	20	40	28	56
Collection container	Litre	50	2 x 50	50	2 x 50	50	2 x 50
Dimensions (L/W/H)	mm	1.620 x 860 x 1.943	2.180 x 860 x 1.943	1.620 x 860 x 1.943	2.180 x 860 x 1.943	1.620 x 860 x 1.943	2.180 x 860 x 1.943
Sound level	dB(A)	66	67	66	67	66	67
Order Number		**09.800**	**09.801**	**09.810**	**09.811**	**09.820**	**09.821**

Integrated forklift openings

Detachable dust collection container

Intake port for connecting a processing machine

Features

Application Range:
- Extraction from individual or multiple workstations of dust or chip generating machines or from welding stations
- For use in the metalworking and plastics industry
- For all skilled trade workshops and industrial plants

Special Features:
- Compact design
- Low operating noise
- Cleanable filter elements
- Openings for transport by forklift
- Easy to empty collection container

Data dependent on equipment type

ESTA MOBEX Series

The MOBEX can also be used in combination with an ESTA grinding table for extracting dust.

Stationary Dust Extractors

Your Benefits At a Glance

Wet Separators NA-K

- High extraction performance for sticky and damp types of dust
- Ideal solution for applications with a high occurrence of sparks
- High filtration efficiency

Wet separator NA-K

Product Description

Wet separators of the NA-K series are recommended for applications generating large amounts of sparks or for the extraction of damp or sticky types of dust.

NA-K connected to a belt sanding machine

The wet separator mixes the air with water, which extinguishes any sparks and binds the sticky or damp particles of dust with the water. The dust contained in the water sinks down and collects in the sludge container at the bottom of the separator unit where it can be drained off with a drain valve without having to replace all the water in the separator unit.

Technical Data

NA-K		**1800**	**3600**	**6000**
Max. airflow	m^3/h	2.160	3.125	5.150
Intake/outlet diameter	mm	180/280	224/280	280/300
Max. negative pressure	Pa	4.300	3.500	3.600
Motor	kW	4	5,5	7,5
Water content	Ltr	290	390	390
Sludge container	Ltr	50	50	50
Water connection		G 3/4"	G 3/4"	G 3/4"
Dimensions (L/W/H)	mm	800 x 800 x 2.940	950 x 950 x 3.405	950 x 950 x 3.475
Weight (without water)	kg	340	510	530
Sound level	dB(A)	83	86	89
Order Number				
Standard version (without test certificate)		**45.183**	**45.363**	**45.603**
NA-K B with design test certificate		**45.182**	**45.362**	**45.601**
NA-K VA with design test certificate		**45.180**	**45.360**	**45.600**

Features

Application Range:
- Extraction of individual and multiple workstations with sticky and damp types of dust, especially metal dust
- Central extraction system connected to a trunk line for dust extraction from multiple workstations

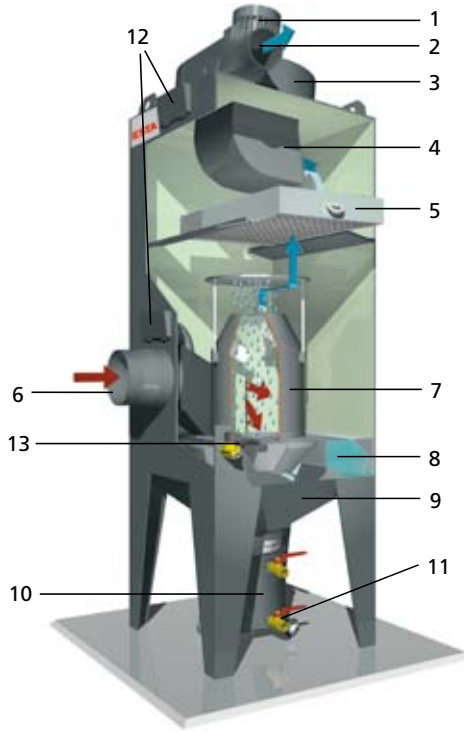
Special Features:
- Highly recommended for metal grinding applications
- Can be equipped with additional jet sprayers for a higher degree of separation of very fine dust

Data dependent on equipment type

Wet Separators
NA-K B
NA-K VA

Your Benefits At a Glance

- Approved for the extraction of aluminium dust (design test certificate)
- Certificate without additional BG-testing on site
- Powerful extraction performance with sticky and damp types of dust
- Ideal solution for applications that generate large amounts of sparks



NA-K (schematic illustration)

Product Description

Until now, wet separators that are used for the extraction of aluminium dust required on-site inspections through the TÜV or the BG* and approval at the expense of the operator of the equipment.

These wet separators of type NA-K VA and NA-K B can save you all these additional expenses.

The ESTA wet separators have a design test certificate.

Both models are also equipped with an additional forced ventilation system.

*) Employer's Liability Insurance Association

1. Motor
2. Clean air exhaust
3. Fan
4. Gas deflector
5. Mist collector
6. Dust laden air intake connection
7. Whirl chamber
8. Water
9. Tapered sludge collection area
10. Sludge container
11. Drain valve
12. Flapper valves
13. Magnetic valve with water connection for automatic filling

NA-K B:
Fan (3), gas deflector (4), dust laden air intake connection (6), whirl chamber (7) and sludge container (10) made of stainless steel; Housing made of sheet metal on the outside (explosion proof-motor).

NA-K VA:
Entirely made of stainless steel.

Features

Application Range:
- Extraction of aluminium dust

Special Feature:
- NA-K B:
  Partially made of stainless steel, epoxy resin based interior coating
- NA-K VA:
  Entirely made of stainless steel
- With design test certificate as approval permit for the extraction of aluminium dust
- Tested according to the occupational health and safety regulations BGR 109

Data dependent on equipment type

Stationary Dust Extractors

Your Benefits at a Glance

Wet Separators
NA-500
NA-1.1
NA-2.2 SK

- Suitable as pre-separators, dust extractors or extraction systems for multiple extraction locations
- ATEX-approved version optional
- Available in stainless steel construction

Wet Separator NA-500

Product Description

Wet separators of the NA-series are available in three versions. As dust extractors that can be connected to processing machines with intake diameters of up to 100 mm, as vacuum units for use with a 50 mm Ø hose or as a pre-separator connected to an existing extraction system.
The application range for these units focuses primarily on the extraction of sticky substances and processes generating substantial amounts of sparks. All units are available as ATEX conforming models for the extraction of flammable, explosive and dry substances defined as “Zone 22” types of dust. The devices comply with guidelines 94/9/ EC ATEX, of BGR 109 (aluminium) and the BG Chemie 036.

The compact and space efficient design and construction of the new wet separator model series NA makes these units suitable for a wide range of applications, which earlier on could only be accommodated with much larger stationary wet separator units. Our new mobile extractors require minimal floor space and are equipped with the proven ESTA feature of a tilt-back upper housing, which permits easy access to the interior of the unit. Additional optional features such as automatic monitoring of the water level etc. make these units even more convenient for the operator.

Technical Data

NA		**-500 (Vorabscheider)**	**-1.1 (Entstauber)**	**-2.2 SK (Reinigungssauger)**
Max. airflow	m^3/h	500	720	300
Intake/Exhaust diameter	mm	100/100	100/-	50/-
Max. negative pressure	Pa	-	2.800	21.000
Motor	kW	-	1.1	2.2
Water capacity	Ltr	40	40	40
Collection container	Ltr	100	100	100
Dimensions (L/W/H)	mm	1.260 x 630 x 1.560	1.260 x 630 x 1.560	1.260 x 630 x 1.560
Weight (w/o water)	kg	80	120	130
Sound level	dB(A)	-	78	68
Order No. Standard/ATEX		**45.613/45.713**	**45.611/45.711**	**45.612/45.712**

Rear view of model NA-500

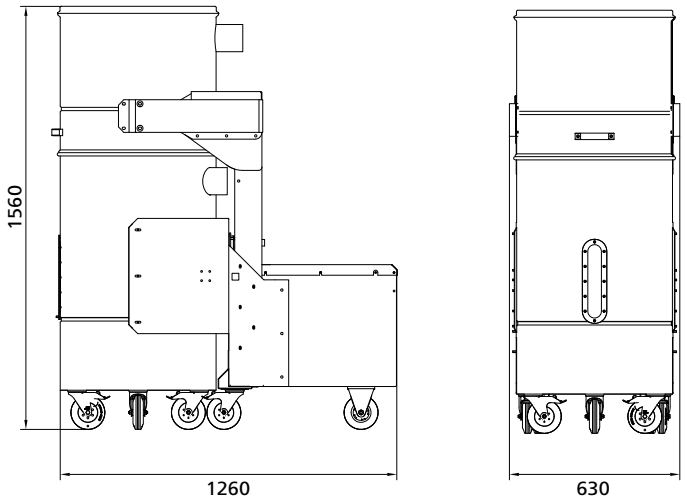
Tilt-back upper housing for easy access to the interior of the unit

Valve for draining contaminated water

Features

Application Range:
- Extraction of sticky substances
- Spark generating production processes
- Extraction of flammable, explosive and dry substances defined as “Zone22” types of dust (ATEX-approved version)

Special Features:
- Tilt-back upper housing
- Magnetic valve for automatic water supply (optional)
- Stainless steel housing (optional)
- ATEX-approved version optional



Data dependent on equipment type

Stationary Dust Extractors

Your Benefits At a Glance

Modular Dust Extractors
DUSTEX P
(Cartridge Filters)

- Modular design (expandable)
- Suitable for dry, pourable types of dust
- Customer specific design

ATEX COMPLIANT

DUSTEX P (with cartridge filters)

Product Description

DUSTEX cartridge filter systems are used as central dust extraction systems or in applications requiring high airflow (such as large extraction hoods and booths). The modular design of the DUSTEX series makes it suitable for a variety of industries. If more extraction and filtration capacity is needed the system can be expanded easily. The filters of the DUSTEX are automatically cleaned during operation with a pulse-jet cleaning system.

The DUSTEX P models are especially recommended for dry and pourable types of dust. Large capacity cartridge filters facilitate a very compact design of the system.

DUSTEX P in the metal industry

Technical Data

DUSTEX		P-20	P-40	P-60	P-90
Max. airflow	m^3/h	ca. 2.600	ca. 4.500	ca. 6.600	ca. 7.100
Intake/outlet diameter	mm	160/280	224/250	280/300	315/355
Max. negative pressure	Pa	2.000	3.200	3.800	3.800
Voltage	V	400	400	400	400
Motor	kW	2,2	4	5,5	7,5
Filter surface m^2 /no. of cartridges		20/2	40/4	60/6	90/9
Dust container	Ltr	100	100	100	100
Dimensions (L/W/H)	mm	1.400 x 780 x 3.250	1.400 x 1.350 x 3.295	1.820 x 1.350 x 3.740	1.880 x 1.900 x 3.770
Sound level	dB(A)	67	73	78	83
Order Number		**661.020**	**661.040**	**661.060**	**661.090**

Features

Application Range:
- Central extraction of multiple dust generating machines
- Dry, pourable, non-explosive types of dust

Special Features:
- Pulse-jet filter cleaning system
- Cleanable long life cartridge filters for dust classification M

Data dependent on equipment type

Your Benefits At a Glance

Modular Extractors DUSTEX S (Tubular Bag Filters)

- Modular design (expandable)
- Suitable for fine, fibrous and sticky types of dust
- Customer specific design

DUSTEX S (with tubular bag filters)

Product Description

ESTA's DUSTEX S (tubular bag filter system) offers the same advantages as the DUSTEX P (cartridge filter system). However, the bag filter system is better suited for dust that has a tendency to stick to the filter media. In addition the tubular bag filters have a higher air-to-cloth ratio than cartridge filters.

The DUSTEX S extraction and filtration system can easily be expanded as needed.

DUSTEX S central extraction system positioned outside

Features

Application Range:
- Central extraction of multiple industrial dust generating workstations or machines
- Cement dust, chalk, soot, fibre glass, PVC, paper strips etc.

Special Features:
- Pulse-jet filter cleaning system
- Cleanable long life tubular bag filters for dust classification M

Data dependent on equipment type

Technical Data

DUSTEX		S-5	S-10	S-17	S-25	S-33
Max. airflow	m^3/h	ca. 2.600	ca. 3.500	ca. 4.300	ca. 5.400	ca. 7.000
Intake/outlet diameter	mm	160/280	200/250	250/300	300/355	355/400
Max. negative pressure	Pa	2.000	2.600	3.200	3.200	3.800
Voltage	V	400	400	400	400	400
Motor	kW	2,2	3	4	5,5	7,5
Filter surface m^2/no. of filters		5/13	10,5/20	17/32	25/48	33/48
Dust container	Ltr	50	50	50	50	50
Dimensions (L/W/H)	mm	1.400 x 780 x 3.465	1.400 x 1.350 x 3.470	1.820 x 1.350 x 3.875	1.880 x 1.780 x 3.960	1.880 x 1.750 x 4.400
Sound level	dB(A)	67	69	74	76	82
Order Number		**662.005**	**662.010**	**662.017**	**662.025**	**662.033**

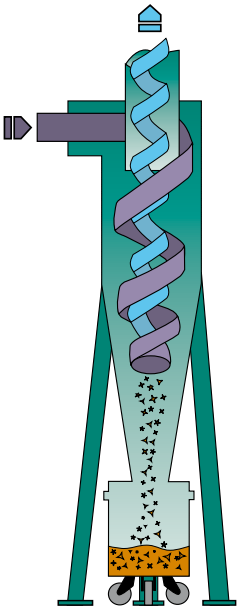
Additional information about the modular extractor DUSTEX can be found beginning on page 104.

Stationary Dust Extractors

Your Benefits At a Glance

Cyclone Pre-Separators ZA

- Optimal solution for extracting medium sized and coarse dust
- Effective dust extraction with unique filtration efficiency guarantee
- Can be combined ideally with other ESTA dust extractors



with "Performance Efficiency Guarantee" from ESTA

Cyclone pre-separator ZA-160

Product Description

The cyclone pre-separator units of the ZA series are the result of years of experience in combination with scientific discoveries. These pre-separators make it possible to efficiently separate dry and pourable dust from the air stream so that only the fine dust needs to be filtered out by the subsequently connected dust extractor. The use of cyclone pre-separators can significantly extend the filter life of the dust extractor and also reduce the operating costs.

Cyclone pre-separator ZA-160 application photo

ESTA is so sure of the efficiency of this technology that we will guarantee the performance of the equipment.

For special applications the ZA cyclone pre-separators are also available as a stand alone filtration unit with a fan installed on top of the cyclone separator.

Technical Data

Cyclone pre-separator	Intake connection mm	Airflow volume Interval m³/h	Collection container Liter	Height of Cyclone mm	Order Number
ZA 50	50	-200	50	1.458	20 820 050
ZA 100	100	-800	100	2.280	20 821 100
ZA 125	125	-1.100	100	2.596	20 821 125
ZA 140	140	-1.200	100	2.578	20 821 140
ZA 160	160	-2.000	100	2.924	20 821 160
ZA 200	200	-2.500	100	3.166	20 821 200
ZA 225	225	-3.700	200	4.128	20 822 225
ZA 250	250	-4.500	200	4.399	20 822 250
ZA 280	280	-6.000	200	4.823	20 822 280
ZA 300	300	-6.500	200	5.086	20 822 300
ZA 315	315	-7.500	200	5.278	20 822 315
ZA 355	355	-9.300	200	5.735	20 822 355
ZA 450	450	-12.500	200	6.449	20 822 450

The sound level rating depends on the type of fan installed in the equipment

Features

Application Range:
- Primary filtration unit or pre-separator unit
- Dry, pourable types of dust

Special Features:
- Dust collection container available in different sizes
- Different discharge methods (sluice, rotary lock)
- Steel, stainless steel or aluminium

Data dependent on equipment type