

SAFETY FIRST

Protection against Dust Explosions



The ESTA ATEX Programme

For Your Safety



ATEX – Get the Edge In Safety

The dangers of fire and explosion hazards are present in all industrial plants that generate, store or transport **flammable types of dust**. Under certain conditions these types of production environments can generate explosive mixtures in combination with air. Even a small spark e.g. from static electricity can be sufficient to set off a dust explosion in your manufacturing plant. **ATEX conforming** extraction equipment protects your business against these hazards.

ATEX is the acronym for **AT**mosphère **EX**plosible (ignitable atmosphere) and describes the new EU-directive, which defines the explosion and labour protection requirements for production facilities/operators in ATEX regulation 137 and the requirements for products/manufacturers in ATEX regulation 95. The application of this regulation has been harmonized for all of Europe and has become a **mandatory requirement as 1st of July, 2006**.

ESTA offers you a wide spectrum of extraction equipment, accessories and services pertaining to the subject of explosion protection. As a result of our long-standing cooperation with authorities and professional associations, we have the necessary know-how and technology to protect your production and especially your employees from dust explosions.

Don't risk exposing yourself and your manufacturing facility to unnecessary hazards and **get the edge in safety with ATEX rated ESTA extraction equipment***.

Our Sales Engineers will be happy to work with you on a solution that is tailored to your application. Give us a call now - for your safety. **SAFETY FIRST!**



DUSTOMAT-61 / -67 ATEX



ESTA mobile dust extractors DUSTOMAT-61 ATEX and DUSTOMAT-67 ATEX meet the toughest requirements. These units are suitable for mobile use at individual workstations or as central systems for simultaneous extraction on multiple workstations. ATEX certification makes the DUSTOMAT-61 ATEX and DUSTOMAT -67 ATEX suitable for extraction and filtration of dust laden air in areas requiring explosion protection. Cleaning of the long-life cartridge filters can be performed manually (DUSTOMAT-61 ATEX) or fully automatic with a built in pulse-jet cleaning system (DUSTOMAT-67 ATEX).



DUSTOMAT-		61 ATEX	67 ATEX
Max. airflow	m ³ /h	1.850	1.850
Intake diameter	mm	160	160
Max. negative pressure	Pa	4.600	4.600
Voltage	V	400	400
Motor	kW	3	3
Filter surface	m ²	9,6	9,6
Dust collection container	Ltr	200	200
Dimension (L/W/H)	mm	1.830 x 782 x 2.040	1.830 x 782 x 2.040
Weight	kg	220	220
Filter cleaning		manual	pneumatic
Order Number		09.212	09.220



EUROSOG-I-D ATEX

The EUROSOG-I-D ATEX is a powerful industrial vacuum cleaner for extracting dry, flammable types of dust from machinery and workstations in Zone 22. Thanks to the patented tilt-back filter system the collected dust can be disposed off effortlessly. Cleanable long-life cartridge filters ensure low operating costs. Three-phase current makes this unit suitable for continuous duty applications. The compact and handy design makes the EUROSOG-I-D ATEX a highly versatile mobile industrial vacuum cleaner.



EUROSOG-		I-D ATEX
Max. airflow	m³/h	300
Intake diameter	mm	50
Max. negative pressure	Pa	20.000
Voltage	V	400
Motor	kW	2,2
Filter surface	m²	2 / 5
Dust collection container	Ltr	80
Dimension (L/W/H)	mm	1.030 x 670 x 1.240
Weight	kg	81
Order Number		81.200



DUSTEX F-144 / -189 ATEX



The modular extraction systems DUSTEX F-144 and DUSTEX F-189 can be used as central extraction systems or for extracting individual workstations requiring extremely high airflow (e.g. large extraction hoods or booths). The modular design can accommodate a wide range of applications. As your business grows additional modules can be added whenever necessary. Filter cleaning is performed fully automated during operation of the extraction system with an integrated pulse-jet cleaning system. Built-in explosion protection and pressure relief components ensure that the DUSTEX models meet the requirements of the new ATEX directive.



DUSTEX F-		144	189*
Max. airflow	m³/h	13.200	13.200
Intake diameter	mm	450/500	450/500
Max. negative pressure	Pa	4.800	4.800
Voltage	V	400	400
Motor	kW	15	15
Filter surface m² / cartridges		144/9	189/9
Dust collection container	Ltr	50	50
Dimension (L/W/H)	mm	1.850 x 1.900 x 3.910	1.850 x 1.900 x 3.910
Weight	kg	880	880
Order Number		663.144A	663.189A

Additional design variations are available on request - please inquire with us

* with special corrugated filter cartridge design for a larger filter surface area and increased filtration efficiency



Extraction arm ATEX / RG EX



ESTA extraction arms (Ø 150 mm) are designed for complete and flexible dust and fume extraction in explosion protected areas. Targeted extraction directly at the source of the dust or fume generating process is the ideal prerequisite for a powerful and efficient extraction system. To achieve maximum efficiency with regard to airflow technological considerations, both the extraction arm and the extraction system must complement each other. The ESTA RG extraction fan in combination with an extraction arm is a simple, cost efficient and highly effective extraction solution. The dust will be extracted by means of an extraction fan and exhausted into the desired area (in most cases to the outside).



Extraction arm with oval hood				
Diameter	mm	150	150	150
Length	m	1,5	2	3
Order Number		15.1529A	15.2029A	15.3029A

For other lengths please inquire with us



Extraction fan RG EX*		100	200	300	400	500	600	700	800
Max. airflow	m³/h	1.000	2.000	3.000	4.200	5.000	6.500	7.000	9.000
Intake/outlet diameter	mm	100	150	180	224	250	280	315	355
Max. negative pressure	Pa	1.250	1.650	2.200	2.650	3.200	3.000	3.500	3.600
Voltage	V	400	400	400	400	400	400	400	400
Motor	kW	0,55	1,1	2,2	3,0	4,0	5,5	5,5	7,5
Dimensions (L/W/H)	mm	535 x 450 x 480	595 x 520 x 555	640 x 535 x 610	965 x 750 x 890	1.050 x 950 x 1.005	1.095 x 950 x 1.005	1.116 x 950 x 1.036	1.116 x 950 x 1.036
Order Number		01.012	01.022	01.032	01.042	01.052	01.062	01.072	01.082

* Explosion proof model - for other models please inquire with us

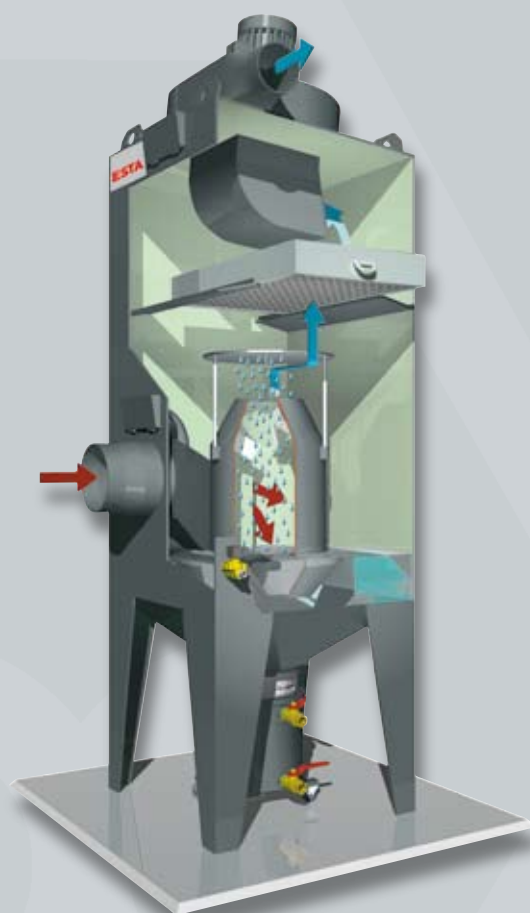


Wet Separator NA-K B

The wet separator NA-K B is utilized for the extraction of aluminium dust types. Currently operators of wet separators used for extracting aluminium dust are subject to costly on site inspections through the TÜV or the Employer's Liability Insurance Association. With the NA-K B wet separator model this additional requirement has been eliminated. This ESTA wet separator comes with a TÜV-test certificate and is equipped with a forced air ventilation system as well as stainless steel components.



Wet Separator NA-K B		1800	3600	6000
Max. airflow m³/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	3	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
Order Number		45.182	45.362	45.601



*) Regulation for the extraction of aluminium dust types to prevent the danger of dust explosions during grinding, brush finishing and polishing of aluminium and its alloys.

The ESTA ATEX Programme

SAFETY FIRST
worldwide

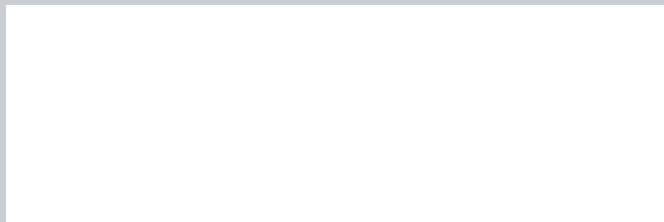
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Your ESTA Distribution Partner:



ESTA Apparatebau GmbH & Co. KG
Gotenstrasse 2 – 6
D-89250 Senden, Germany

Phone: +49 (0) 73 07 - 8 04 - 0
Fax: +49 (0) 73 07 - 8 04 - 500
E-Mail: info@esta.com
Web: www.esta.com

