"When it comes to Extraction think ESTA!"

ESTA and extraction, two words that have become synonymous over the past 30 years. ESTA is proving this once again with the current issue of our main catalog. In this comprehensive catalog you will find a variety of new products and a widened range of extraction equipment (see for example the two new product groups shown below). True to our guiding principles we are a partner for our customers in everything concerning extraction and filtration. We will keep our customers informed about the latest technological developments and requirements concerning the occupational health and safety requirements of a modern production facility. As always we pledge the highest level of customer service, quality consciousness and reliability to all our customers because this is our definition of “the world of extraction”. Remember: “When it comes to extraction think ESTA”

Sincerely,

Dr. Peter Kulitz
CEO
ESTA Apparatebau GmbH & Co. KG

What you should also know about ESTA Extraction Technology:

Information and communication are very important to us. Please request our information materials.

By Phone: 1-616-243-2494
Toll-free: 1-800-968-3782
By Fax: 1-616-243-8495
By E-mail: info@esta-usa.com

MOBEX

The new generation of very quiet mobile extractors for universal use can be positioned directly at the extraction location.
Read more on page 28

New Downdraft Tables for Welding Fumes and Grinding Dust

For direct connection to mobile and stationary extraction systems or with the use of an extraction fan to discharge the exhaust air outside the building, whichever you prefer. Read more on page 67

NEW!

Test certificate W3 for welding fume filtration units

CERTIFIED

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We are certified according to DIN EN ISO 9001

TUV design test certificate for wet separators

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NEW!
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What You Should Know About Dust

Benefit From Our Know How – For Your Safety And The Safety Of Your Employees

Dust consists of visible and invisible floating and settled particles of solid matter. The bigger the particles are the less they become airborne (depending on type and composition). The weight of the particles has no bearing on this. If the particles are very small, as for example with metal dust types, the dust remains permanently suspended in the air and does not settle.

The degree of danger from dust particles depends largely on the size of the particles and their chemical composition.

What is Dust?

Permissible Exposure Values

PEL values (maximum exposure limit) are defined as the maximum concentration of a contaminant in the air at the workplace. On Page 3 you will find an overview of the most common dust types together with the corresponding application categories (Test Certificates).

Contact With Dust Can Become Hazardous To Your Health If

- the concentration is very high
- the particles are very small and are breathed into your nose or into your lungs
- the shape of the particles (e.g. fibres) allows easier penetration into the nose or lungs
- the dust contains hazardous substances.

PEL-Values Table

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>with PEL-values</td>
<td>Max. transmittance</td>
<td>Dust classification</td>
</tr>
<tr>
<td>&gt; 1 mg/m³</td>
<td>≤ 5 %</td>
<td>≤ 1 %</td>
</tr>
<tr>
<td>&gt; 0.1 mg/m³</td>
<td>≤ 1 %</td>
<td>≤ 0.1 %</td>
</tr>
<tr>
<td>= 0.1 mg/m³</td>
<td>≤ 0.5 %</td>
<td>≤ 0.1 %</td>
</tr>
<tr>
<td>with PEL-values +</td>
<td>≤ 0.5 %</td>
<td>≤ 0.005 %</td>
</tr>
<tr>
<td>carcinogenic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>substances (§35 GefStoffV - Regulation for Hazardous Substances)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>≥ 0.1 mg/m³</td>
<td>≤ 1 %</td>
<td>≥ 0.005 %</td>
</tr>
<tr>
<td>≥ 0.05 mg/m³</td>
<td>≤ 0.1 %</td>
<td></td>
</tr>
<tr>
<td>≥ 0.005 mg/m³</td>
<td>≤ 0.1 %</td>
<td></td>
</tr>
<tr>
<td>≥ 0.005 mg/m³</td>
<td>≤ 0.005 %</td>
<td></td>
</tr>
</tbody>
</table>

Also suitable for flammable dust types of all explosive dust classifications (with the exception of dust types with extremely low minimum ignition energy (MIE) MIE < 1 ml)

Give us a call, we will be happy to assist you. Phone: 1-800-968-3782
Excerpt from the Table of Dust Types

<table>
<thead>
<tr>
<th>Dust Types</th>
<th>PEL-Values (mg/m³)</th>
<th>DC*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Oxide (Fe₂O₃) Welding, Metalworking, in iron and ochre mines</td>
<td>from 3 to 6, depending on the task</td>
<td>L</td>
</tr>
<tr>
<td>Wood Woodworking industry, joineries, carpenter shops, parquet installers</td>
<td>5, G (all, with the exception of oak and beech) 2 (oak and beech)</td>
<td>L H2</td>
</tr>
<tr>
<td>Chrome (Cr) Corrosion resistant alloys (Ferrochrome), electrolytic chrome plating, production of chromate and bichromate for the textile industry, printing companies, tanneries, dyeing plants, photography, paint, chrome alloys, (arc welding) carcinogenic</td>
<td>from 0.1 to 0.05, G depending on the type of chrome and the processing method</td>
<td>H</td>
</tr>
<tr>
<td>Graphite (crystalline carbon) Fabrication of electrodes and heat resistant moulds</td>
<td>from 6 to 3, depending on the task</td>
<td>L</td>
</tr>
<tr>
<td>Nickel (Ni; Oxide) Electrolytic nickel plating, batteries, coins and kitchen utensils, heat and corrosion resistant steel</td>
<td>0.5</td>
<td>H</td>
</tr>
<tr>
<td>Zinc (Zn; Oxide) Galvanizing, use of brass (copper and zinc), colors and color pigments with zinc or zinc oxides</td>
<td>5, F</td>
<td>L</td>
</tr>
<tr>
<td>Copper (smoke) Working with brass (copper and zinc) and diverse alloys (with silver, cadmium, chrome, beryllium, nickel), electrical industry</td>
<td>from 1 to 0.1</td>
<td>M H</td>
</tr>
<tr>
<td>Flour</td>
<td>4</td>
<td>L</td>
</tr>
<tr>
<td>Cement dust Cement plants</td>
<td>6</td>
<td>L</td>
</tr>
<tr>
<td>Silicon carbide</td>
<td>4</td>
<td>L</td>
</tr>
<tr>
<td>Marble</td>
<td>6</td>
<td>L</td>
</tr>
<tr>
<td>Aluminium (as metal)</td>
<td>from 6 to 3, dep. on the task</td>
<td>L</td>
</tr>
<tr>
<td>Aluminium oxide</td>
<td>6</td>
<td>L</td>
</tr>
<tr>
<td>Aluminium oxide-smoke</td>
<td>6</td>
<td>L</td>
</tr>
</tbody>
</table>

Dust Types PEL-Values (mg/m³) DC*
Dust containing silicic acid (SiO₂) Quartz quarries, sandstone, fire stone, quartzite, slates, foundries with sand moulds, porcelain, sanitary and heat resistant ceramics, high temperature ovens, glass industry, sanding of sand stone, construction industry, production of silicon carbide | 0.15 4, F if SiO₂ content is > 4% | M L |
Grain dust Agriculture, bakeries, mills, work in silos | 4, G | L |
Lead (Pb) Casting of lead and its alloys, production of ammunition and lead storage batteries, welding and cutting of metals containing lead and colors with a torch or arc welding, steel cable production, wire drawing, diamond grinding, shooting range | 0.1, G | H |
Cadmium (Cd) Cadmium plating of metals, steel alloys, production of welding rods, color pigments, welding and etching of cadmium alloys, production of solar cells, plastics industry (Cd as stabilizer) carcinogenic | from 0.03 to 0.015, G | H |
Pewter (Sn) Organic and inorganic compounds pewter plating of metals, working with pewter alloys. Organic derivatives are used for the production of plastics and pesticides. | 2, G 0.1, G | L H |
Manganese (Mn; smoke) Iron-manganese-electrodes, metallurgy, dry batteries, colours for ceramic and glass (in the form of salt) | 0.5, G | M |
Molybdenum (Mo) Working with molybdenum alloys | from 5 to 6, depending on the task | L |
Tobacco | 6, G | L |
Cotton dust | 1.5, G | L |
Beryllium – Grinding of Be-metal and alloys – otherwise carcinogenic | 0.002 G 0.005 G | H |

* DC = Dust Classification
** FIG = Values referring to the breathable fraction.
All information is stated without any express or implied guarantees - Status: December 2004

Additional information can be found on the Internet under: www.hvbg.de (Database for hazardous substances - GESTIS)
About ESTA

You may already know? ESTA is the acronym for “Elektro-Staub-Absauggeräte” (Electric Dust Extraction Equipment). Our good name (nomen est omen!) reflects the product range we have developed and fine tuned for more than 30 years. Our dust extraction equipment and systems not only contribute to the health and well being of the employees but also increase their productivity and protect your high tech investments. Our team of dedicated and qualified employees is always ready to assist you with technical advice and customer service – near your location – in the US, at our subsidiary ESTA Corporation or at our company headquarters in Germany. Through close cooperation with our customers, suppliers, authorities such as TÜV and the employer’s liability insurance associations as well as Institutes and Universities we are in a position to offer you the latest developments in dust extraction technology.

Our Achievements – Your Advantage

Product diversity and very short delivery times

- Mobile dust extractors
- Stationary dust extractors
- Industrial vacuum cleaners
- Welding fume filters
- Oil mist separators
- Extraction fans
- Extraction arms
- Central extraction systems
- Pipe systems

In our extensive product range you will find an extraction unit that will fit your application. With the help of a state of the art inventory control system and ISO 9001:2000 certified processes our production and installation teams and associates will ensure that the equipment of your choice will be installed in your plant to your complete satisfaction.

Individualized Consulting

Each application has its unique requirements – our inside and outside sales representatives and customer service associates are always available to respond quickly and competently to meet your requirements. Call us at: 1-800-968-3782 or send us an E-mail.

Tested Safety

The quality of our products and advice is based on decades of experience, which our customers have a right to expect. Test Certifications of our processes (ISO 9001:2000) and our products (TÜV and BIA* Certificates) document the high quality standards of ESTA, which are valued by our customers.

*) German Institute for Occupational Health and Safety
Mobile Dust Extractors

For ultimate flexibility in extracting and filtering dust laden air

DUSTOMAT
DUSTOVAC
DUSTOMAT-K
DUSTOMAT-S

Application Range

Construction Industry
Chemical Industry
Dental Labs
Vocational Schools
Graphite Processing
Woodworking Companies
Plastics Processing
Leather Processing
Metalworking Industry
Furniture Industry
Model Building
Natural and Man Made Stone Processing (Stone Masons)
Paper Manufacturing
Recycling-Companies
Sawmills
Joinery and Carpentry Trade
Textile and Flocking Industry

Test Certificates:
Mobile Dust Extractors

Mobile Dust Extractors from ESTA – Introduction and Product Overview

Introduction

Mobile dust collectors can extract nearly all types of dust and chips from processing machines. In most cases the dust is captured directly through a suitable outlet on the processing machine and routed through an extraction hose or pipe to the dust collector. If the machine has no connection port for extracting the dust other elements such as hoods and extraction arms will be utilized to capture the dust.

Examples for different types of dust:

- Metal
- Plastics
- Wood
- Stone
- Flour
- Cement
- Graphite
- Toner
- Paper

The result is a clean work environment.

Product Overview

Mobile dust extractors of the DUSTOMAT series are more economical than a central dust collection system and are recommended for frequently changing extraction locations within the production plant. Because of their compact design they are easy to move and are flexible in their use. This class of equipment includes the models DUSTOMAT-10, 15 and 16.

If several locations require dust extraction simultaneously and the flexibility of a mobile extractor is needed we recommend the more powerful models DUSTOMAT 21-67. This product line has been expanded with the DUSTOMAT K series.

Our DUSTOVAC models are mobile high vacuum dust extractors. They are suitable for special applications requiring precise dust extraction on one or multiple processing machines. Due to their high negative pressure these models can transport even heavier particles over longer distances. The use of innovative technologies allows these units to operate quietly and they are suitable for nearly all types of dust.
Mobile Dust Extractors from ESTA – Advantages that Pay Off

Easy to operate and maintenance friendly

Easy to operate and maintenance friendly Tilt-back filter housings (patented by ESTA) guarantee convenient and effortless disposal of the dust. Clearly and ergonomically designed control elements ensure easy and safe operation.

Highly Versatile

Equipped with smooth running casters ESTA mobile dust extractors are designed for flexible use and can be moved with ease wherever they are needed. Different filter medias and filter cleaning systems make them suitable for practically any application.

Extensive Range of Accessories

To ensure that our dust extractors can reach their full potential in any application we offer a wide range of accessories for our equipment.

Examples of Accessories:
• Cyclonic pre-separators
• Spark arrestors
• Hoods and extraction arms
• Pipes, hoses and other connection components

In order to adapt the units to the local requirements we offer a very broad range of model options:
• Special voltages
• Capacity sensors
• Exhaust air muffler
• Activated charcoal inserts
• Special filter elements
• Custom paint

Processing Quality

The high quality standard our customers demand ensures a long service life of ESTA dust extractors. Our high quality standards are maintained with the help of:
• Highly qualified employees
• Company internal equipment inspections and final quality inspections
• Certified production facilities
• Equipment certifications by independent testing facilities such as TÜV, BG etc.

Product Test Certificates:

TÜV Certification
Mobile Dust Extractors

**Your Benefits At a Glance**

- Low operating costs resulting from cleanable long life filter cartridges
- Mobility combined with high extraction performance
- Tilt-back filter housings for easy dust disposal
- Suitable for most types of dust
- Optional test certificate for specialized applications

### DUSTOMAT-10 through -16 M

<table>
<thead>
<tr>
<th>Feature</th>
<th>10</th>
<th>15</th>
<th>16 M</th>
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</thead>
<tbody>
<tr>
<td>Max. airflow (m³/h)</td>
<td>424</td>
<td>424</td>
<td>671</td>
</tr>
<tr>
<td>Intake diameter (mm)</td>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Max. negative pressure (Pa)</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Voltage (V)</td>
<td>230* / 400**</td>
<td>230* / 400**</td>
<td>230* / 400**</td>
</tr>
<tr>
<td>Motor (kW)</td>
<td>2 / 1.5***</td>
<td>2 / 1.5***</td>
<td>2 / 1.5***</td>
</tr>
<tr>
<td>Filter surface (m²)</td>
<td>38</td>
<td>38</td>
<td>108</td>
</tr>
<tr>
<td>Dust collection container (L)</td>
<td>28</td>
<td>28</td>
<td>13</td>
</tr>
<tr>
<td>Dimensions (L/W/H) (mm)</td>
<td>46 / 21 / 64</td>
<td>46 / 21 / 64</td>
<td>45 / 26 / 58</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>143</td>
<td>143</td>
<td>242</td>
</tr>
<tr>
<td>Order Number</td>
<td>09.201</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Manual filter cleaning (230 V *)</td>
<td>-</td>
<td>09.316</td>
<td>09.420</td>
</tr>
<tr>
<td>Pneumatic filter cleaning (230 V **)</td>
<td>09.215</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Manual filter cleaning (400 V **)</td>
<td>-</td>
<td>09.317</td>
<td>09.421</td>
</tr>
<tr>
<td>Pneumatic filter cleaning (400 V **)</td>
<td>-</td>
<td>09.317</td>
<td>09.421</td>
</tr>
</tbody>
</table>

* 110 – 120 V, 50 – 60 Hz, 1 ph
** 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph
*** 400 V-model

---

### Technical Data

**DUSTOMAT-10**

- Low operating costs resulting from cleanable long life filter cartridges
- Mobility combined with high extraction performance
- Tilt-back filter housings for easy dust disposal
- Suitable for most types of dust
- Optional test certificate for specialized applications

**Application Range:**

- Dust extraction of individual machines and manual workstations
- Pourable dust types – including hazardous types of dust

**Special Feature:**

- Two filter cleaning methods: Brush cleaning method (manually) Pneumatic cleaning method
- Cleanable long life cartridge filters (Dust classification M)
- Test Certificates M, H2, B1, GS

**Test Certificate:**

- Dust Collection, Extraction, Cleaning

---

### Product Description

The compact class of the DUSTOMAT series was designed for the extraction of dust and chips in a variety of work areas. The dust is extracted through existing connections on the processing machine or with other suitable extraction elements such as ESTA extraction arms and hoods. High performance fans can capture and extract even large "clouds of dust" with ease.

Cleanable cartridge filters ensure a filter system with a long service life and low operating costs. The patented tilt-back mechanism of the filter housing allows convenient disposal of the collected dust.

---

**Features:**

- **Application Range:** Dust extraction of individual machines and manual workstations
- **Special Feature:** Two filter cleaning methods: Brush cleaning method (manually) Pneumatic cleaning method
- **Test Certificate:** Dust Collection, Extraction, Cleaning

---

Data dependent on equipment type
Models

DUSTOMAT-10 and -15
– the best selling compact dust collector
• for small and medium sized processing machines with an intake connection Ø of up to 4 in (100 mm)
• tested for the woodworking industry as industrial vacuum with floor cleaning kit
• with test certification H2, B1, GS

Test Certificate:

DUSTOMAT-16 M
– specifically designed for the stone industry
• for the extraction of hazardous dust types, especially mineral dust
• with certification M, GS
• equipped with airflow pressure gauge and acoustic horn and manual pneumatic filter cleaning system

Test Certificate:

Mobile Dust Extractors
Mobile Dust Extractors

Your Benefits At a Glance

DUSTOMAT-21 through -67

- Compact and powerful
- Low operating costs
- Convenient dust disposal
- Suitable as a mobile dust extractor for single workstations or as a central dust extraction system for multiple extraction locations
- Suitable for nearly all types of dust
- Optional with certification for special applications

DUSTOMAT Max. airflow cfm
Intake diameter in
Max. negative pressure in of water
Voltage V
Motor hp
Filter surface sq ft
Dust collection container gal
Dimensions (L/W/H) in
Weight lb
Order Number
manual filter cleaning
motorized filter cleaning
pneumatic filter cleaning
pulse jet filter cleaning

DUSTOMAT-67

Technical Data

<table>
<thead>
<tr>
<th>DUSTOMAT</th>
<th>21/22/23/27</th>
<th>41/42/43/47</th>
<th>61/62/63/67</th>
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<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>624</td>
<td>783</td>
<td>1089</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>14</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Filter surface sq ft</td>
<td>103</td>
<td>103</td>
<td>103</td>
</tr>
<tr>
<td>Dust collection container gal</td>
<td>55</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>72 / 31 / 80</td>
<td>72 / 31 / 80</td>
<td>72 / 31 / 80</td>
</tr>
<tr>
<td>Weight lb</td>
<td>418</td>
<td>473</td>
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<tr>
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<td>motorized filter cleaning</td>
<td>09.203</td>
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<td>09.209</td>
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<tr>
<td>pneumatic filter cleaning</td>
<td>09.204</td>
<td>09.207</td>
<td>09.210</td>
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<tr>
<td>pulse jet filter cleaning</td>
<td>09.222</td>
<td>09.223</td>
<td>09.224</td>
</tr>
</tbody>
</table>

DUSTOMAT-41 at a plastics processing machine Data dependent on equipment type

Product Description

The Pro Class DUSTOMAT 21-67 meets the highest demands. These models can be used as mobile units for individual workstations and as central units for extracting dust at different locations. Depending on the size of the equipment and the intake diameter of the processing machines up to six extraction points can be connected simultaneously. The dust extractor activates and deactivates itself automatically – optional feature – on start up or shut off of the processing machine. Depending on the model the cleaning of the cartridge filters is performed manually, motorized or with air pressure.

Features

Application Range:
- Dust extraction at individual or multiple workstations or machines in industrial plants or smaller shops
- Pourable dust
- Dry chips

Special Features:
- Four filter cleaning methods: Manually, motorized, pneumatic and pulse jet cleaning
- Cleanable long life cartridge filters (dust classification M)
- Optional secondary filter cassettes (dust classification H)

Data dependent on equipment type
High Vacuum Mobile Dust Extractor

**DUSTOVAC**

### Your Benefits At a Glance

- High negative pressure for precise extraction of dust from handheld tools
- Low operating costs
- Quiet for use in multi shift operations
- Patented tilt-back filter housing for easy dust disposal
- Suitable for most types of dust

### Technical Data

<table>
<thead>
<tr>
<th>Feature</th>
<th>DUSTOVAC</th>
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<th>13.0</th>
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<tr>
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<td>500</td>
<td>647</td>
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<tr>
<td>Max. negative pressure in of water</td>
<td>98</td>
<td>100</td>
<td>88</td>
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<tr>
<td>Voltage V</td>
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<td>400 *</td>
<td>400 *</td>
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<tr>
<td>Motor hp</td>
<td>7.5</td>
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<tr>
<td>Filter surface sq ft</td>
<td>103</td>
<td>103</td>
<td>103</td>
</tr>
<tr>
<td>Dust collection container gal</td>
<td>55</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>72 / 31 / 80</td>
<td>72 / 31 / 80</td>
<td>72 / 31 / 80</td>
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<tr>
<td>Weight lb</td>
<td>506</td>
<td>550</td>
<td>671</td>
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<table>
<thead>
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<tbody>
<tr>
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<td>pneumatic filter cleaning</td>
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<tr>
<td>pulse jet filter cleaning</td>
<td>83.112</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

### Features

**Application Range:**
- Extraction of individual or multiple workstations or machines in industrial plants or smaller shops
- Pourable dust
- Dry chips

**Special Features:**
- Three filter cleaning methods: Manually, pneumatic and pulse jet cleaning
- Cleanable long life cartridge filters (Dust classification M)

Data dependent on equipment type
Mobile Dust Extractors

Your Benefits At a Glance

DUSTOMAT K-21 through -67
Compact design and quiet operation!

- Low operating costs
- Small space requirement due to the compact design
- Low operating noise due to a newly developed removable sound insulation hood
- Patented tilt-back filter housing for easy dust disposal

DUSTOMAT K in operation

Technical Data

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow **</td>
<td>624</td>
<td>783</td>
<td>1236 / 883*</td>
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<tr>
<td>Intake diameter **</td>
<td>5</td>
<td>6</td>
<td>6 / 5.5 *</td>
</tr>
<tr>
<td>Max. negative pressure **</td>
<td>14</td>
<td>15</td>
<td>17 / 17 *</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Filter surface sq ft</td>
<td>103</td>
<td>103</td>
<td>103</td>
</tr>
<tr>
<td>Dust collection container gal</td>
<td>55</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>60 / 31 / 80</td>
<td>60 / 31 / 80</td>
<td>60 / 31 / 80</td>
</tr>
<tr>
<td>Weight lb</td>
<td>418 / 528**</td>
<td>462 / 572 **</td>
<td>473 / 583 **</td>
</tr>
<tr>
<td>Order Number</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Brush cleaning mechanism:</td>
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<td></td>
<td></td>
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<tr>
<td>Motorized manually (-21/41/61)</td>
<td>09.325/09.326*</td>
<td>09.333/09.334*</td>
<td>09.341/09.342*</td>
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<tr>
<td>Motorized automatically (-22/42/62)</td>
<td>09.327/09.328*</td>
<td>09.335/09.336*</td>
<td>09.343/09.344*</td>
</tr>
<tr>
<td>Pulse jet cleaning (-27/47/67)</td>
<td>09.331/09.332*</td>
<td>09.339/09.340*</td>
<td>09.347/09.348*</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph
** TÜV tested for dust classification „H“

Features

Application Range:
- Extraction of individual or multiple workstations or machines in industrial plants
- Pourable dust
- Dry chips

Special Features:
- Three filter cleaning methods: Brush cleaning mechanism (motorized, manually or motorized automatic), Pressure drop controlled fully automated pulse jet cleaning
- Cleanable long life cartridge filters (Dust classification M)
- Optional secondary filter cassettes (Dust classification H)

Test Certificate:

Your Benefits At a Glance

DUSTOMAT K-21 through -67
Compact design and quiet operation!

- Low operating costs
- Small space requirement due to the compact design
- Low operating noise due to a newly developed removable sound insulation hood
- Patented tilt-back filter housing for easy dust disposal

DUSTOMAT K in operation

Product Description

Floor space particularly in the immediate area of production machines is a problem in all companies. Therefore the dust extractors of the K-series are even more compact and can fit into any production facility or smaller shop. In addition, the newly developed sound insulation hood reduces the operating noise significantly. The improved control and ergonomically optimized arrangement of the switching components ensure user friendly operation and maintenance. Naturally, the DUSTOMAT K is also equipped with the proven ESTA tilt-back mechanism of the filter housing for easy disposal of the collected material.

Test Certificate:

DUSTOMAT K-21 through -67
Compact design and quiet operation!
Equipment Characteristics

- Large clean air exhaust
- Easily removable plastic cover
- Clearly laid out control panel
- Tilt-back filter housing
- Detachable dust collection container
- Industrial strength smooth running casters
- Simple and heavy duty locking and unlocking elements

The patented ESTA characteristic: Practical tilt-back filter housing for simple and quick disposal of dust and chips. The dust collection container can be removed from the unit and can be rolled away separately.

TÜV-Test Certificate „H“, approved for particularly hazardous dust types, e.g. stainless steel dust and lead. Even carcinogenic substances can be extracted with the DUSTOMAT K.

Clearly laid out control panel for easy operation.

Large surface clean air exhaust openings in the plastic cover reduce airflow noise and prevent drafts.
Mobile Dust Extractors

**Your Benefits At a Glance**

**DUSTOMAT S Series**

- Specialized dust extractor for sticky dust and dust containing long fibres
- Compact design with high extraction performance
- Easily replaceable paper filter bag to collect the dust

### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>100-S</th>
<th>120-S</th>
<th>140-S</th>
<th>160-S</th>
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<tr>
<td>Max. airflow cfm</td>
<td>424</td>
<td>624</td>
<td>783</td>
<td>1089</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>11</td>
<td>13</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>Voltage V</td>
<td>230* / 400**</td>
<td>400 **</td>
<td>400 **</td>
<td>400 **</td>
</tr>
<tr>
<td>Motor hp</td>
<td>2 / 1.5*</td>
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<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Filter surface sq ft</td>
<td>8</td>
<td>11</td>
<td>11</td>
<td>11</td>
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<tr>
<td>Dust collection container gal</td>
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<td>Dimensions (L/W/H) in</td>
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<td>65 / 31 / 53</td>
<td>65 / 31 / 54</td>
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<td>Weight lb</td>
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<td>451</td>
<td>473</td>
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<tr>
<td>Order Number</td>
<td>09.500/09.497***</td>
<td>09.502</td>
<td>09.504</td>
<td>09.506</td>
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</table>

* 110 – 120 V, 50 – 60 Hz, 1 ph
** 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph
*** 400 V-model

### Design test certificate for ESTA dust extractors for use with punch presses in the printing industry

#### DUSTOMAT S

The mobile dust extractors DUSTOMAT-S were specifically designed for the extraction of sticky and fibrous dust. They are especially popular in the textile and flocking industry where they have been used for many years. Depending on the demand and application one or more locations can be extracted simultaneously.

The collection container with a capacity of 28 or 55 gallon can be detached and is equipped with four casters for easy transport of the collected dust and fibers to the disposal site. A built in pressure gauge displays the pressure difference before and after the filter.

#### Features

**Application Range:**
- Extraction of dust and fibres in the textile and flocking industry
- Sticky and fibrous dust

**Special Features:**
- Fabric filter element with primary paper filter bag
- Optional design test certificate

Data dependent on equipment type
Types of Cleaning Systems

Brush Cleaning System
Rotating brushes tap the individual pleats of the cartridge filter. This causes the dust that has accumulated on the filter surface to detach and drop down into the collection container. The axis of the brush mechanism in the center of the cartridge filter (on the dust laden side of the filter) can be moved in both directions. This type of cleaning system is available in a manually, motorized and automatic motor driven design.

Pneumatic Cleaning System
With the pneumatic cleaning system rotating jets of compressed air move up and down on an axis in the center of the filter (clean air side of the filter). Bursts of compressed air force the dust layer on the outside of the cartridge filter to drop off into the collection container. With this process even very fine types of dust can be removed from the filter surface quickly and effectively.

Pulse-jet Cleaning System
The pulse-jet cleaning system cleans the cartridge filter on the inside and outside. The collected dust on the outside of the cartridge filter is literally blown off by the powerful pulses of compressed air and drops down into the collection container. Each cartridge is cleaned automatically. The pulse-jet cleaning system allows the filter cleaning process to be performed during operation of the unit without shutdown and interruption of the extraction process.

Design Versions

Crank handle for models
DUSTOMAT-10/21/41/61
DUSTOVAC 5.5, 7.5, 13.0
Non-automatic, motor driven for
DUSTOMAT K-21, -41 and -61
Fully automatic, motor driven for
DUSTOMAT-22, -42, -62
DUSTOMAT K-22, -42 and -62

DUSTOMAT-15
DUSTOMAT-23, -43, -63
DUSTOVAC 5.5, 7.5, 13.0

Version with manually operated rotating compressed air jets for DUSTOMAT-16.

DUSTOMAT-27, -47, -67
DUSTOMAT K-27, -47 and -67
DUSTOVAC 5.5, 7.5, 13.0

What types of dust do you need to extract or collect? We will be happy to assist you with the selection of the dust extractor that is right for your job and the most suitable filter cleaning system for your application.

Give us a call, we will be happy to assist you.
Phone: 1-800-968-3782
### Accessories & Attachments

- Large selection of accessories & attachments
- Highest quality
- Superior workmanship
- Tailor made for ESTA products

### Dust Collection Bags

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic collection bag, (1 Set = 10 pieces)</td>
<td>91.015</td>
</tr>
<tr>
<td>Plastic collection bag, (1 Set = 10 pieces)</td>
<td>91.017</td>
</tr>
<tr>
<td>Paper filter bag, (1 Set = 10 pieces)</td>
<td>5017</td>
</tr>
<tr>
<td>Paper filter bag, (1 Set = 5 pieces)</td>
<td>9017</td>
</tr>
</tbody>
</table>

### Control Unit

<table>
<thead>
<tr>
<th>External Control</th>
<th>Order Number</th>
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</thead>
<tbody>
<tr>
<td>With floating contact installed in the unit</td>
<td>700002</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>DUSTMASTER 6/3</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control unit for the dust extractor in connection with a max. of 3 shutter valves and 6 processing machines</td>
<td>250.002</td>
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<table>
<thead>
<tr>
<th>DUSTMASTER 12/7</th>
<th>Order Number</th>
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</thead>
<tbody>
<tr>
<td>Control unit for the dust extractor in connection with a max. of 7 shutter valves and 12 processing machines</td>
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### Chip Deflectors

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<th>Chip deflector, small, complete</th>
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<tr>
<td>Chip deflector, large, complete</td>
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<tr>
<td>Cone insert, small</td>
<td>15000092</td>
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<tr>
<td>Cone insert, large</td>
<td>15000091</td>
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</table>

<table>
<thead>
<tr>
<th>Chip deflector, large, complete</th>
<th>Order Number</th>
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<tbody>
<tr>
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<td>Cone insert, large</td>
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</tbody>
</table>

### Your Benefits At a Glance

- Large selection of accessories & attachments
- Highest quality
- Superior workmanship
- Tailor made for ESTA products

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<tr>
<th>Product Description</th>
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<table>
<thead>
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<tbody>
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<td>With floating contact installed in the unit</td>
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<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Control unit for the dust extractor in connection with a max. of 3 shutter valves and 6 processing machines</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>DUSTMASTER 12/7</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control unit for the dust extractor in connection with a max. of 7 shutter valves and 12 processing machines</td>
<td>250.001</td>
</tr>
</tbody>
</table>

| Malfunction radio transmitter                    | Please inquire |

<table>
<thead>
<tr>
<th>Chip deflector, small, complete</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip deflector, large, complete</td>
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</tbody>
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<tr>
<td>Cone insert, large</td>
<td>Order Number</td>
</tr>
</tbody>
</table>
## Accessories & Attachments

- Large selection of accessories & attachments
- Highest quality
- Superior workmanship
- Tailor made for ESTA products

### Pre-separator

**Pre-separator, 55 gallon**
Incl. 5 ft connection hose and pressure balance hose

<table>
<thead>
<tr>
<th>Connection Ø 4 in (100 mm)</th>
<th>Order Number</th>
<th>17</th>
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</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td>Connection Ø 5 in (125 mm)</td>
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<tr>
<td>Connection Ø 5.5 in (140 mm)</td>
<td>95.140</td>
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</tr>
<tr>
<td>Connection Ø 6.3 in (160 mm)</td>
<td>95.160</td>
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</tbody>
</table>

**Water Pre-separator, 55 gallon**
For applications with flying sparks, steel container with baffle plate and cover, incl. 5 ft PU-connection hose

<table>
<thead>
<tr>
<th>Connection Ø 4 in (100 mm)</th>
<th>Order Number</th>
<th>17</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>97.100</td>
<td>•</td>
</tr>
<tr>
<td>Connection Ø 5 in (125 mm)</td>
<td>97.125</td>
<td>•</td>
</tr>
<tr>
<td>Connection Ø 5.5 in (140 mm)</td>
<td>97.140</td>
<td>•</td>
</tr>
<tr>
<td>Connection Ø 6.3 in (160 mm)</td>
<td>97.160</td>
<td>•</td>
</tr>
</tbody>
</table>

**Cyclonic Pre-separator, 55 gallon**
For use with a dust extractor, cyclone for separating light chips and dust

<table>
<thead>
<tr>
<th>Connection Ø 4 in (100 mm)</th>
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<th>17</th>
</tr>
</thead>
<tbody>
<tr>
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<td>20821100</td>
<td>•</td>
</tr>
<tr>
<td>Connection Ø 5 in (125 mm)</td>
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<td>•</td>
</tr>
<tr>
<td>Connection Ø 5.5 in (140 mm)</td>
<td>20821140</td>
<td>•</td>
</tr>
<tr>
<td>Connection Ø 6.3 in (160 mm)</td>
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</tr>
</tbody>
</table>

### Extraction Arms

**Extraction Arms**
Incl. 5 ft PU-connection hose

<table>
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<th>Length: 5 ft</th>
<th>Order Number</th>
<th>17</th>
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</thead>
<tbody>
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<td>101529</td>
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</tr>
<tr>
<td>Length: 6.5 ft</td>
<td>102029</td>
<td>•</td>
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<tr>
<td>Length: 6.5 ft</td>
<td>122029</td>
<td>•</td>
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<tr>
<td>Length: 6.5 ft</td>
<td>142029</td>
<td>•</td>
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<tr>
<td>Length: 6.5 ft</td>
<td>162029</td>
<td>•</td>
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<tr>
<td>Length: 9.8 ft</td>
<td>123029</td>
<td>•</td>
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<tr>
<td>Length: 9.8 ft</td>
<td>143029</td>
<td>•</td>
</tr>
<tr>
<td>Length: 9.8 ft</td>
<td>163029</td>
<td>•</td>
</tr>
</tbody>
</table>

*All extraction arms are available with wall mount bracket or swivel base for attachment to the equipment. Please specify the type of mounting when placing your order.
Mobile Dust Extractors

Accessories & Attachments

• Large selection of accessories & attachments
• Highest quality
• Superior workmanship
• Tailor made for ESTA products

Optional Features and Equipment:
Special voltages, special filter cartridges, custom paint finish, activated carbon filters, capacity sensor, forklift-tilt mechanism, ...

Give us a call, we will be happy to assist you.
Phone: 1-800-968-3782
Stationary Dust Extractors

*For high performance dust extraction*

- ESTA 70
- ESTA 100
- OM
- COMPEX
- TK
- TK/H
- NA-K
- OM
- 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

*NEW* for high performance dust extraction

- 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 metalworking 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).

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.

The wet separator models NA-K 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 TÜV 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 cornerstones 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

Mini Dust Collectors
ESTA 70 and ESTA 100

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

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.

Models for Special Applications

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

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>ESTA 70</th>
<th>ESTA 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>412</td>
<td>589</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Motor speed rpm</td>
<td>2800</td>
<td>2800</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>13 / 13 / 26</td>
<td>17 / 17 / 33</td>
</tr>
<tr>
<td>Weight lb</td>
<td>55</td>
<td>77</td>
</tr>
<tr>
<td>Order Number</td>
<td>11.071</td>
<td>11.101</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

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

• 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.

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)

Your Benefits At a Glance

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>TK-4</th>
<th>TK-6</th>
<th>TK-2.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>177</td>
<td>353</td>
<td>177</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>2</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>2</td>
<td>6</td>
<td>96</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>1</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Motor speed rpm</td>
<td>2800</td>
<td>2800</td>
<td>2800</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>16 / 16 / 23</td>
<td>16 / 16 / 23</td>
<td>16 / 25 / 23</td>
</tr>
<tr>
<td>Overall depth in</td>
<td>24</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Weight lb</td>
<td>88</td>
<td>88</td>
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</tr>
<tr>
<td>Order Number</td>
<td>31.041</td>
<td>31.061</td>
<td>41.033</td>
</tr>
</tbody>
</table>

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

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph
Stationary Dust Extractors

**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

**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. As an option these units can be supplied with a larger dust collection drawer.

**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
- OM-12S with larger dust drawer

**Technical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>OM-8</th>
<th>OM-10</th>
<th>OM-12</th>
<th>OM-12S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>471</td>
<td>589</td>
<td>706</td>
<td>706</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Height of intake connection in</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>0.8</td>
<td>0.8</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>22 / 22 / 44</td>
<td>22 / 22 / 44</td>
<td>22 / 22 / 44</td>
<td>22 / 22 / 56</td>
</tr>
<tr>
<td>Width incl. return air filter in</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>Weight lb</td>
<td>132</td>
<td>132</td>
<td>143</td>
<td>154</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

**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
Mini Dust Collectors OMF

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

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.

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>OMF-8</th>
<th>OMF-10</th>
<th>OMF-12</th>
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<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>471</td>
<td>589</td>
<td>706</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>3</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>0.8</td>
<td>0.8</td>
<td>1.5</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>22 / 22 / 44</td>
<td>22 / 22 / 44</td>
<td>22 / 22 / 46</td>
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<tr>
<td>Width incl. return air filter in</td>
<td>26</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>Weight lb</td>
<td>352</td>
<td>352</td>
<td>363</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

Your Benefits At a Glance

- 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

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.

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Max. Airflow cfm</th>
<th>Intake Diameter</th>
<th>Max. Negative Pressure in of water</th>
<th>Voltage V</th>
<th>Motor hp</th>
<th>Filter Surface sq ft</th>
<th>Dust Collection Container gal</th>
<th>Dimensions (L/W/H) in</th>
<th>Weight lb</th>
<th>Type of Filter</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPEX S 6.2</td>
<td>1930</td>
<td>2 x 6</td>
<td>12</td>
<td>400 *</td>
<td>5</td>
<td>67</td>
<td>50</td>
<td>50 / 32 / 87</td>
<td>913</td>
<td>Tubular bag</td>
<td>21.139</td>
</tr>
<tr>
<td>COMPEX S 6.2</td>
<td>1059</td>
<td>2 x 6</td>
<td>6</td>
<td>230* / 400**</td>
<td>1.5</td>
<td>-</td>
<td>-</td>
<td>30 / 20 / 75</td>
<td>253</td>
<td>Filter mesh</td>
<td>21.141</td>
</tr>
<tr>
<td>COMPEX S 6.2</td>
<td>1354</td>
<td>2 x 6</td>
<td>15</td>
<td>400 *</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>32 / 30 / 79</td>
<td>330</td>
<td>Filter mesh</td>
<td>21.142</td>
</tr>
</tbody>
</table>

* 110 – 120 V, 50 – 60 Hz, 1 ph
** 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

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

Data dependent on equipment type
**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 CO₂-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 CO₂-fire extinguishing system. After the CO₂ 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: 1-800-968-3782. We look forward to hearing from you.
Stationary Dust Extractors

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

Description

The MOBEX dust collector series is designed 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 configurations. 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.

Mobile Extractor MOBEX T-10

Technical Data

<table>
<thead>
<tr>
<th>MOBEX</th>
<th>T-10</th>
<th>T-20</th>
<th>P-20</th>
<th>P-40</th>
<th>F-24</th>
<th>F-48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow (cfm)</td>
<td>1589</td>
<td>2472</td>
<td>1589</td>
<td>2472</td>
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<td>2472</td>
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<tr>
<td>Intake diameter (in)</td>
<td>8</td>
<td>10</td>
<td>8</td>
<td>10</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Max. negative pressure (in of water)</td>
<td>9</td>
<td>13</td>
<td>9</td>
<td>13</td>
<td>9</td>
<td>13</td>
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<tr>
<td>Voltage (V)</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>Motor (hp)</td>
<td>4</td>
<td>5.5</td>
<td>4</td>
<td>5.5</td>
<td>4</td>
<td>5.5</td>
</tr>
<tr>
<td>Filter area (sq ft)</td>
<td>108</td>
<td>215</td>
<td>215</td>
<td>430</td>
<td>258</td>
<td>517</td>
</tr>
<tr>
<td>Collection container (gal)</td>
<td>14</td>
<td>2 x 14</td>
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<td>2 x 14</td>
</tr>
<tr>
<td>Dimensions (L/W/H) (in)</td>
<td>64 / 34 / 76.5</td>
<td>86 / 34 / 76.5</td>
<td>64 / 34 / 76.5</td>
<td>86 / 34 / 76.5</td>
<td>86 / 34 / 76.5</td>
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</tr>
<tr>
<td>Order Number</td>
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<td>09.801</td>
<td>09.810</td>
<td>09.811</td>
<td>09.820</td>
<td>09.821</td>
</tr>
</tbody>
</table>
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

Mobile Extractor MOBEX P-40
Stationary Dust Extractors

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

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.

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

<table>
<thead>
<tr>
<th>NA-K</th>
<th>1800</th>
<th>3600</th>
<th>6000</th>
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<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>1271</td>
<td>1839</td>
<td>3031</td>
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<tr>
<td>Intake/outlet diameter in</td>
<td>7 / 11</td>
<td>9 / 11</td>
<td>11 / 12</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>17</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Motor hp</td>
<td>4</td>
<td>7.5</td>
<td>10</td>
</tr>
<tr>
<td>Water content gal</td>
<td>81</td>
<td>108</td>
<td>108</td>
</tr>
<tr>
<td>Sludge container gal</td>
<td>14</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Water connection G 3/4&quot;</td>
<td>G 3/4&quot;</td>
<td>G 3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>31 / 31 / 116</td>
<td>37 / 37 / 134</td>
<td>37 / 37 / 137</td>
</tr>
<tr>
<td>Weight (without water) lb</td>
<td>748</td>
<td>1122</td>
<td>1166</td>
</tr>
<tr>
<td>Order Number Standard version (without test certificate)</td>
<td>45.183</td>
<td>45.363</td>
<td>45.603</td>
</tr>
<tr>
<td>NA-K B with TÜV-design test certificate</td>
<td>45.182</td>
<td>45.362</td>
<td>45.601</td>
</tr>
<tr>
<td>NA-K VA with TÜV-design test certificate</td>
<td>45.180</td>
<td>45.360</td>
<td>45.600</td>
</tr>
</tbody>
</table>

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

• Approved for the extraction of aluminium dust (TÜV 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

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

The ESTA wet separators have a TÜV design test certificate.

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

*) Employer’s Liability Insurance Association

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 TÜV design test certificate as approval permit for the extraction of aluminium dust

Data dependent on equipment type
Stationary Dust Extractors

Modular Dust Extractors
DUSTEX P
(Cartridge Filters)

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

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.

Technical Data

<table>
<thead>
<tr>
<th></th>
<th>P-20</th>
<th>P-40</th>
<th>P-60</th>
<th>P-90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>1530</td>
<td>2649</td>
<td>3885</td>
<td>4179</td>
</tr>
<tr>
<td>Intake/outlet diameter in</td>
<td>6 / 11</td>
<td>9 / 10</td>
<td>11 / 12</td>
<td>12 / 14</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>8</td>
<td>13</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>3</td>
<td>5</td>
<td>7.5</td>
<td>10</td>
</tr>
<tr>
<td>Filter surface sq ft /no. of cartridges</td>
<td>215 / 2</td>
<td>431 / 4</td>
<td>646 / 6</td>
<td>969 / 9</td>
</tr>
<tr>
<td>Dust container gal</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>55 / 31 / 128</td>
<td>55 / 53 / 130</td>
<td>72 / 53 / 147</td>
<td>74 / 75 / 148</td>
</tr>
<tr>
<td>Order Number</td>
<td>661.020</td>
<td>661.040</td>
<td>661.060</td>
<td>661.090</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

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
Modular Extractors
DUSTEX S
(Tubular Bag Filters)

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

**Product Description**

STA’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.

**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

**Technical Data**

<table>
<thead>
<tr>
<th>DUSTEX</th>
<th>S-5</th>
<th>S-10</th>
<th>S-17</th>
<th>S-25</th>
<th>S-33</th>
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<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>1530</td>
<td>2060</td>
<td>2531</td>
<td>3178</td>
<td>4120</td>
</tr>
<tr>
<td>Intake/outlet diameter in</td>
<td>6 / 11</td>
<td>8 / 10</td>
<td>10 / 12</td>
<td>12 / 14</td>
<td>14 / 16</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>8</td>
<td>10</td>
<td>13</td>
<td>13</td>
<td>15</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>7.5</td>
<td>10</td>
</tr>
<tr>
<td>Filter surface m²/no. of filters</td>
<td>54 / 13</td>
<td>113 / 20</td>
<td>183 / 32</td>
<td>269 / 48</td>
<td>355 / 48</td>
</tr>
<tr>
<td>Dust container gal</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>55 / 31 / 121</td>
<td>55 / 33 / 137</td>
<td>72 / 53 / 153</td>
<td>74 / 70 / 156</td>
<td>74 / 69 / 173</td>
</tr>
<tr>
<td>Order Number</td>
<td>662.005</td>
<td>662.010</td>
<td>662.017</td>
<td>662.025</td>
<td>662.033</td>
</tr>
</tbody>
</table>

Additional information about the modular extractor DUSTEX can be found beginning on page 91.
Stationary Dust Extractors

**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

### Technical Data

<table>
<thead>
<tr>
<th>Cyclone pre-separator</th>
<th>Intake connection in.</th>
<th>Airflow volume interval Bcfm</th>
<th>Collection container gal</th>
<th>Height of Cyclone inches</th>
<th>Order Number</th>
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<tbody>
<tr>
<td>ZA 50</td>
<td>2</td>
<td>-118</td>
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<td>20 820 050</td>
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<tr>
<td>ZA 100</td>
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<td>28</td>
<td>90</td>
<td>20 821 100</td>
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<tr>
<td>ZA 125</td>
<td>5</td>
<td>-647</td>
<td>28</td>
<td>102</td>
<td>20 821 125</td>
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<td>ZA 140</td>
<td>6</td>
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<td>28</td>
<td>101</td>
<td>20 821 140</td>
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<tr>
<td>ZA 160</td>
<td>6</td>
<td>-1177</td>
<td>28</td>
<td>115</td>
<td>20 821 160</td>
</tr>
<tr>
<td>ZA 200</td>
<td>8</td>
<td>-1471</td>
<td>28</td>
<td>125</td>
<td>20 821 200</td>
</tr>
<tr>
<td>ZA 225</td>
<td>9</td>
<td>-2178</td>
<td>55</td>
<td>163</td>
<td>20 822 225</td>
</tr>
<tr>
<td>ZA 250</td>
<td>10</td>
<td>-2649</td>
<td>55</td>
<td>173</td>
<td>20 822 250</td>
</tr>
<tr>
<td>ZA 280</td>
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<td>55</td>
<td>190</td>
<td>20 822 280</td>
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<td>ZA 300</td>
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<td>55</td>
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<td>20 822 300</td>
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<tr>
<td>ZA 315</td>
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<td>55</td>
<td>208</td>
<td>20 822 315</td>
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<td>ZA 355</td>
<td>14</td>
<td>-5474</td>
<td>55</td>
<td>226</td>
<td>20 822 355</td>
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<tr>
<td>ZA 450</td>
<td>18</td>
<td>-7357</td>
<td>55</td>
<td>254</td>
<td>20 822 450</td>
</tr>
</tbody>
</table>

### 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.

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.

### 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
Industrial Vacuum Cleaners

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

EUROSOG
DUROSOG
WHISPERSOG
SPÄNESOG
MULTISOG

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

EUROSOG for direct extraction of wood dust
DUROSOG in action cleaning a production machine
WHISPERSOG here used for floor clean up
SPÄNESOG in the metalworking industry
MULTISOG clean-up a boring machine
MULTISOG-SRM flood vacuum here in use as a pool cleaner

Test Certification:

[Logos and icons]
Industrial Vacuum Cleaners

ESTA Industrial Vacuum Cleaners – Introduction and Product Overview

Introduction

ESTA industrial vacuum cleaners offer a solution for any application. All our products are characterized by superior vacuum performance and high quality workmanship. The compact design of these industrial strength vacuum cleaners and the high manoeuvrability with casters and wheels gives them high mobility.

Product Overview

The EUROSOG series is the workhorse for dry types of dust. It is available in AC or three-phase current powered models. The DUROSOG models are recommended for sticky dust, textile lint and threads. With the addition of a piggy-back pre-separator this unit can be utilized to vacuum up metal chips with coolants. The WHISPERSOG is a very quiet but also very powerful industrial vacuum cleaner, which was specifically designed for continuous duty applications.

For the extraction of metal chips and emulsions we recommend our SPÄNESOG model. The MULTISOG models can be used for wet and dry applications. The handy PRETTYBOY 309 and the ESTA FURNACE CLEANER round out our selection.
Extensive Range of Accessories and Optional Features

Our extensive selection of accessories and options offers a perfect solution for all of your dust problems. Here are some examples of our accessories and optional features:

Accessories
• Pre-separators for different types of materials
• Vacuum attachments
• Hoses and connectors

Equipment Options
• Special voltages
• Special filters
• Custom paint finishes
• Exhaust air mufflers

High Vacuum Power and Mobility

ESTA industrial vacuum cleaners are powerful and highly mobile. This makes them extremely versatile for intermittent tasks or continuous duty even for multi-shift applications – we always have the right equipment for your jobs.

Workmanship

ESTA industrial vacuum cleaners stand for quality. Our high quality standards are maintained with the help of:

• Internal and final equipment quality inspections
• Certified production facilities
• Equipment certifications by independent testing facilities such as TÜV, BG etc.
• German engineering

Product Test Certificates:
Industrial Vacuum Cleaners

EUROSOG-W

- High performance industrial vacuum cleaners for dry dust types
- Compact and user friendly design
- Easy no mess disposal of the filter bag
- Option: Test Certificate for dust classification M and H

Product Description

The EUROSOG is a heavy duty industrial vacuum for coarse, fine and pourable types of dust. It can be moved around effortlessly. The patented tilt-back mechanism permits easy disposal of the filter bag.

Features

Application Range:
- Clean up work of coarse and fine dust

Special Features:
- Manual brush cleaning mechanism for cleaning of the cartridge filter
- Availability of cleanable cartridge filters for dust classifications M, H
- Test certificates M, H available
- Patented tilt-back filter housing
- AC powered model

Technical Data

<table>
<thead>
<tr>
<th>EUROSOG-W/-W</th>
<th>EUROSOG-W/-I-D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intake diameter</td>
<td>2</td>
</tr>
<tr>
<td>Max. airflow</td>
<td>212</td>
</tr>
<tr>
<td>Max. negative pressure</td>
<td>88</td>
</tr>
<tr>
<td>Voltage</td>
<td>230</td>
</tr>
<tr>
<td>Motor hp</td>
<td>3 x 1</td>
</tr>
<tr>
<td>Filter surface sq ft</td>
<td>22</td>
</tr>
<tr>
<td>Dust collection container gal</td>
<td>22</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>36 / 26 / 48</td>
</tr>
<tr>
<td>Weight lb</td>
<td>163</td>
</tr>
</tbody>
</table>

Order Number

- EUROSOG-W/N (standard model) Order No. 80.198
- EUROSOG-W/M with TÜV test certificate for dust classification M Order No. 80.399
- EUROSOG-W/H with TÜV test certificate for dust classification H Order No. 80.299

* 110 – 120 V, 50 – 60 Hz, 1 ph
** 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph
Industrial Vacuum Cleaners

EUROSOG-I-D

- High performance industrial vacuum cleaners for dry dust types
- Rated for defined continuous duty applications
- Compact and versatile design
- Convenient disposal of the filter bag
- Options: Test certificate according to dust classification M and H; as well as additional test certification B1 and H2 for wood dust

Product Description

Unlike the EUROSOG-W (AC current) the EUROSOG-I-D (three-phase current) is suitable for defined continuous duty applications. All other features are comparable with the AC powered model.

Features

Application Range:
- Recommended for clean up work of coarse and fine dust
- EUROSOG-I-D with test certificate H2 also for the direct extraction in woodworking applications

Special Features:
- Manual brush cleaning mechanism for cleaning of the cartridge filter
- Availability of cleanable cartridge filters for dust classifications M, H
- Test certificates M, H, H2 and B1 available
- Three-phase current model

Test Certificates (Three-phase current models)

EUROSOG-I-D/N (standard model)
Order No. 81.198

EUROSOG-I-D/M with TÜV test certificate for dust classification M
Order No. 81.399

EUROSOG-I-D/H with TÜV test certificate for dust classification H
Order No. 81.299

EUROSOG-I-D/M/B1 with TÜV test certificate for dust classification M and additional test certification B1 (suitable for vacuuming dry and flammable types of dust in zone 22).
Order No. 81.297

EUROSOG-I-D/M/B1/H2 with TÜV test certificate for dust classification M and additional test certification B1 (suitable for vacuuming dry and flammable types of dust in zone 22) and TÜV test certificate H2 for wood dust.
Order No. 81.291

Your Benefits At a Glance

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

Dust Collection, Extraction, Cleaning
Industrial Vacuum Cleaners

Your Benefits At a Glance

DUROSOG-W

- With the use of special filtration technology this model is suitable for dry dust, sticky dust and dust that that tends to clump
- Compact and user friendly design
- Convenient dust disposal in a paper filter bag
- Option: Test certificates for dust classification M and H

Product Description

Utilizing special filtration technology the ESTA DUROSOG is suitable for dry dust, sticky dust and dust that that tends to clump. A pre-separator container catches the coarser dust particles and the fine dust is collected in the disposable paper filter bag.

Technical Data

<table>
<thead>
<tr>
<th>Feature</th>
<th>DUROSOG-W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow</td>
<td>206 cfm</td>
</tr>
<tr>
<td>Intake diameter</td>
<td>2 in</td>
</tr>
<tr>
<td>Max. negative pressure</td>
<td>88 in H2O</td>
</tr>
<tr>
<td>Voltage</td>
<td>230 V</td>
</tr>
<tr>
<td>Motor</td>
<td>3 x 1 hp</td>
</tr>
<tr>
<td>Filter surface</td>
<td>32 sq ft</td>
</tr>
<tr>
<td>Pre-separator container</td>
<td>4 gal</td>
</tr>
<tr>
<td>Dust collection container</td>
<td>19 gal</td>
</tr>
<tr>
<td>Dimensions (L/W/H)</td>
<td>26 / 26 / 37 in</td>
</tr>
<tr>
<td>Weight</td>
<td>90 lb</td>
</tr>
</tbody>
</table>

Order Number

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

* 110 – 120 V, 50 – 60 Hz, 1 ph
** Filter only with certified model

Features

Application Range:
- For sticky substances and dust that tends to clump

Special Features:
- Pre-separator
- Disposable paper filter bag
- Test certificates for dust classification M and H available
Your Benefits At a Glance

**DUROSOG-I-D**

- For defined continuous duty applications
- Special filtration technology makes this unit suitable for dry, sticky types of dust and dust that has a tendency to clump
- Compact and user friendly design
- Convenient dust disposal
- Option: Test certificates for dust classification M, H und B1

Product Description

Unlike the DUROSOG-W AC current model the DUROSOG-I-D model (three-phase current) is designed for defined continuous duty applications. With the additional test certificate B1 the unit can also be used for flammable types of dust in zone 22.

All other specifications of this model are identical with the DUROSOG-W.

Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>DUROSOG-I-D</th>
<th>DUROSOG-I-D/N (Standard model)</th>
<th>DUROSOG-I-D/M (Dust classification M)</th>
<th>DUROSOG-I-D/H (Dust classification H)</th>
<th>DUROSOG-I-D/M/B1 (Dust class. M, Test certificate B1)</th>
<th>DUROSOG-I-D/H/B1 (Dust class. H, Test certificate B1)</th>
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<td>Max. airflow cfm</td>
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<td>8120N</td>
<td>8120M</td>
<td>8120H</td>
<td>8121B</td>
<td>8122B</td>
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<tr>
<td>Intake diameter in</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. negative pressure in</td>
<td>88</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>of water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 **</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor hp</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filter surface sq ft</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-separator container gal</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Dust collection container gal</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>33 / 25 / 37</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Weight lb</td>
<td>176</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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/M/B1 (Dust class. M, Test certificate B1) 8121B
- DUROSOG-I-D/H/B1 (Dust class. H, Test certificate B1) 8122B

Features

**Application Range:**
- Three-phase powered industrial vacuum cleaner for defined continuous duty applications – ideal for sticky substances and dust that tends to clump

**Special Feature:**
- Pre-separator container
- Disposable paper filter
- Test certificate for dust classification M, H, B1 available

With TÜV test certificate for dust classification M, H and additional test certificate B1 (suitable for vacuuming dry, flammable types of dust in zone 22)
**Industrial Vacuum Cleaners**

*Your Benefits At a Glance*

**WHISPERSOG**
- Very quiet and powerful industrial vacuum cleaner for dry dust
- Designed for continuous duty applications
- Regenerative long life cartridge filter
- Convenient disposal of the dust bag with the patented tilt-back mechanism

**Product Description**

The WHISPERSOG operates more quietly at the same performance level than conventional industrial vacuums. It can be used not only as an industrial vacuum but also as a mobile extractor connected to machines that are generating dust. Filter cleaning is easy with the crank handle that activates a brush mechanism inside the filter housing. The cleanable long life filters lower the operating costs of the unit compared to the use of throw away filter elements. The collected dust can be removed effortlessly with the patented tilt-back mechanism.

**Technical Data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>WHISPERSOG 2</th>
<th>WHISPERSOG 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>2,2</td>
<td>3,0</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>177</td>
<td>1276</td>
</tr>
<tr>
<td>Max. negative pressure in H2O</td>
<td>84</td>
<td>126</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Filter surface sq ft</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>Dust collection container gal</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>Dimensions (L/W/H) (manual)</td>
<td>51 / 25 / 49</td>
<td>51 / 25 / 49</td>
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<tr>
<td>Weight lb</td>
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<td>264</td>
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<tr>
<td><strong>Order Number</strong></td>
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<tr>
<td>Manual filter cleaning system</td>
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<td>Pneumatic filter cleaning system</td>
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<td>Pulse-jet Cleaning</td>
<td>83.113</td>
<td>-</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

**Features**

**Application Range:**
- Clean up work of coarse, fine and pourable types of dust
- Direct extraction of dust from handheld tools and equipment

**Special Features:**
- Manual brush cleaning mechanism, pneumatic filter cleaning system or pulse-jet filter cleaning system
- Cleanable long life cartridge filter for dust classification M
Pre-separator Systems for Industrial Vacuum Cleaners and/or mobile Extractors

- The ideal complement for industrial vacuums for applications with solid dry dust types as well as large quantities of chips

Product Description

Specialized pre-separator for DUROSOG models

The piggy-back pre-separator can be added to any DUROSOG model because each unit comes standard with the brackets already attached to the collection tank.

Function Description

Metal chips that are soaked in cutting fluid are vacuumed into the pre-separator container in which a vertically positioned mesh partition separates the metal chips from the fluid. While the metal chips and solids remain on one side the liquid fills up on the other side. When it reaches the maximum fill level a float valve will shut off the suction.

Which pre-separator should be used for which application?

Dry

- Heavy, coarse substances and larger quantities of dust.

Scope of Delivery:

Wheel base, pre-separator container with plastic bag insert, cover with intake and outlet connection to the vacuum.

| Pre-separator TR 1 with 28 gal. container | Order No. 1100 |
| Pre-separator TR 2 with 55 gal. container | Order No. 1200 |

Wet

- Materials that are soaked in liquid (metal chips 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.

Scope of Delivery:

Wheel base, pre-separator container and strainer basket, cover with float valve and intake and outlet connection to the vacuum.

| Pre-separator NA 1 with 28 gal. container | Order No. 1102 |
| Pre-separator NA 2 with 55 gal. container | Order No. 1202 |

Light Material and Dust

- Large quantities of light materials and dust should be collected in a disposable paper filter bag.

Scope of Delivery:

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.

| Pre-separator ST 1 with 28 gal. container | Order No. 1103 |
| Pre-separator ST 2 with 55 gal. container | Order No. 1203 |

Your Benefits At a Glance
Industrial Vacuum Cleaners

SPÄNESOG-S

- Specialized industrial vacuum cleaner for metal chips and emulsion coated materials
- Compact and user friendly design
- Washable oil and water resistant cartridge filter

Product Description

The SPÄNESOG is a specialized vacuum for metal chips and emulsion coated materials. Solid and liquid substances are collected in a container and separated. The fine dust is filtered out through the cartridge filter.

Technical Data

<table>
<thead>
<tr>
<th>SPÄNESOG</th>
<th>-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow</td>
<td>cfm</td>
</tr>
<tr>
<td>Intake diameter</td>
<td>in</td>
</tr>
<tr>
<td>Max. negative pressure</td>
<td>in of water</td>
</tr>
<tr>
<td>Voltage</td>
<td>V</td>
</tr>
<tr>
<td>Motor</td>
<td>hp</td>
</tr>
<tr>
<td>Filter surface</td>
<td>sq ft</td>
</tr>
<tr>
<td>Dust collection container</td>
<td>gal</td>
</tr>
<tr>
<td>Dimensions (L/W/H)</td>
<td>in</td>
</tr>
<tr>
<td>Weight</td>
<td>lb</td>
</tr>
<tr>
<td>Order Number</td>
<td></td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

Features

Application Range:
- Extraction of metal chips and emulsion coated materials

Special Features:
- Washable oil and water resistant cartridge filter
- Long life cartridge filter

Clean up of brass chips and coolants at a CNC milling station
SPÄNESOG-SB

Application Range:
- Machine cleanup on drill presses
- Removal of metal chips with coolants
- Cleaning of CNC milling and boring centres

Special Features:
- Switchable from vacuuming to blowing mode
- Specially equipped collection container with bracket for handling with a forklift.

Product Description
The SPÄNESOG-SB is also equipped with a blowing mode for recirculating the extracted emulsions and coolants. Each side of the collection container is equipped with brackets for handling of the container with a forklift.

Features

Application Range:
- Machine cleanup on drill presses
- Removal of metal chips with coolants
- Cleaning of CNC milling and boring centres

Special Features:
- Switchable from vacuuming to blowing mode
- Specially equipped collection container with bracket for handling with a forklift.

Technical Data

<table>
<thead>
<tr>
<th>SPÄNESOG</th>
<th>-SB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow</td>
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<tr>
<td>Intake diameter</td>
<td>in</td>
</tr>
<tr>
<td>Max. negative pressure</td>
<td>in of water</td>
</tr>
<tr>
<td>Voltage</td>
<td>V</td>
</tr>
<tr>
<td>Motor</td>
<td>hp</td>
</tr>
<tr>
<td>Filter surface</td>
<td>sq ft</td>
</tr>
<tr>
<td>Dust collection container</td>
<td>gal</td>
</tr>
<tr>
<td>Dimensions (L/W/H)</td>
<td>in</td>
</tr>
<tr>
<td>Weight</td>
<td>lb</td>
</tr>
<tr>
<td>Order Number</td>
<td>8151</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

Your Benefits At a Glance
Industrial Vacuum Cleaners

Flood Vacuum MULTISOG-SRM

- Optional filter insert for water filtration available
- Compact and user friendly design
- Convertible for dry vacuuming applications

Technical Data

<table>
<thead>
<tr>
<th>MULTISOG</th>
<th>-SRM</th>
<th>Max. airflow cfm</th>
<th>158</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water discharge connection</td>
<td>in of water</td>
<td>C-42</td>
<td></td>
</tr>
<tr>
<td>Max. negative pressure</td>
<td>88</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage V</td>
<td>230 *</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor hp</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. discharge capacity cfm.</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. lift of water ft</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>26 / 20 / 42</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight lb</td>
<td>95</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Order Number</td>
<td>4522 W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 110 – 120 V, 50 – 60 Hz, 1 ph

Product Description

The MULTISOG-SRM has been developed for vacuuming and discharging of water. It can for example be used to clean up flooded areas and for emptying as well as for cleaning pools.

Features

Application Range:
- Extraction and discharge of water; convertible to an industrial vacuum for dry dust applications

Max. Discharge Capacity:
Water: 69 gallons/Minute
Air: 159 cfm/Minute

Membrane switch
Coarse filter
Discharge pump
Vacuum intake connection
Vacuum head
Drain valve
Wheelbase with mounting brackets for attachments
Wet/Dry Vacuum
MULTISOG-1, -2 and -3

Your Benefits At a Glance

- Suitable for dust, dirt and liquids
- Compact and user friendly design
- Easy disposal of the collected dust

Product Description

The MULTISOG 1, 2 and 3 models are industrial vacuum cleaners that are suitable for dry dust and dirt as well as water and liquids.

The MULTISOG is available in three different models.

MULTISOG 1 is designed for clean-up work in shop areas as well as living and office areas. The more powerful model MULTISOG 2 is equipped with two motors and has higher vacuum performance to tackle more difficult tasks.

The MULTISOG 3 features a collection container made of stainless steel.

Suitable attachments and accessories make it possible to quickly and efficiently clean larger shop and warehouse areas.

Technical Data

<table>
<thead>
<tr>
<th>MULTISOG</th>
<th>-1</th>
<th>-2</th>
<th>-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>127</td>
<td>224</td>
<td>153</td>
</tr>
<tr>
<td>Intake connection diameter in</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>84</td>
<td>80</td>
<td>96</td>
</tr>
<tr>
<td>Voltage V</td>
<td>230 *</td>
<td>230 *</td>
<td>230 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>2</td>
<td>2 x 1</td>
<td>2</td>
</tr>
<tr>
<td>Dust collection container gal</td>
<td>10</td>
<td>16</td>
<td>14</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>20 / 20 / 33</td>
<td>24 / 20 / 36</td>
<td>22 / 19 / 35</td>
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<tr>
<td>Weight lb</td>
<td>29</td>
<td>44</td>
<td>55</td>
</tr>
<tr>
<td>Order Number</td>
<td>4622</td>
<td>4722</td>
<td>4522</td>
</tr>
</tbody>
</table>

* 110 – 120 V, 50 – 60 Hz, 1 ph

Features

Application Range:
- Clean up work in office and work areas

Special Features:
- Paper filter bags
- Fabric filter
- Mechanical liquid shut off device
Industrial Vacuum Cleaners

**Wet/Dry Vacuum MULTISOG-3**

- Suitable for dust, dirt and liquids
- Equipped with highly durable stainless steel container

**PRETTYBOY 309**

A light weight and very handy vacuum with a fine filter element. 900 Watts of power and a vacuum performance of 88 inches negative pressure make this unit an ideal vacuum for office cleanup. Included with the vacuum is a standard set of accessories and attachments.

Order No. 5309

**ESTA FURNACE VACUUM**

A small yet very powerful vacuum made of stainless steel that is highly mobile. This model is very popular with heating and ventilation technicians and custodians. The unit comes with a standard kit of accessories and attachments.

Order No. 5305

**Product Description**

The MULTISOG 3 is a wet and dry vacuum featuring a collection container made of stainless steel. High suction performance makes this model suitable for universal use.

**Features**

**Application Range:**
- Clean up work in office and shop areas

**Special Features:**
- Disposable paper filter bags
- Fabric filter
- Mechanical liquid shut off device
- Stainless steel collection container

For technical data see page 47
## Accessories & Attachments

- Best Quality
- High quality workmanship
- Tight fit with ESTA attachments and accessories

### You Benefits At a Glance

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposable Filter Bags</td>
<td></td>
</tr>
<tr>
<td>Disposable filter bag (1 Set = 5 pieces)</td>
<td>6020</td>
</tr>
<tr>
<td>Disposable filter bag (1 Satz = 10 pieces)</td>
<td>3017</td>
</tr>
<tr>
<td>Disposable filter bag (1 Set = 10 pieces)</td>
<td>5017</td>
</tr>
<tr>
<td>Disposable filter bag (1 Set = 10 pieces)</td>
<td>5317</td>
</tr>
<tr>
<td>Disposable filter bag (1 Satz = 10 pieces)</td>
<td></td>
</tr>
<tr>
<td>Plastic collection bag approx. 28 gallon Capacity (1 Set = 10 pieces)</td>
<td>91.015</td>
</tr>
<tr>
<td>Fleece filter bag (1 Set = 10 pieces)</td>
<td>3817</td>
</tr>
<tr>
<td>Hoses</td>
<td></td>
</tr>
<tr>
<td>Vacuum hose Ø 1.5 inch (36 mm), length 10 ft (3 m), with connector cuff and wand</td>
<td>3601</td>
</tr>
<tr>
<td>Vacuum hose Ø 1.5 inch (36 mm), length 10 ft (3 m), with connector cuff, wand and 2-piece wand extension</td>
<td>3910</td>
</tr>
<tr>
<td>Vacuum hose Ø 1.5 inch (36 mm), black, crushable, without connectors, sold by the meter</td>
<td>3602</td>
</tr>
<tr>
<td>Floating vacuum hose Ø 1.5 inch, length 16 ft, with 2 connector cuffs</td>
<td>3801</td>
</tr>
<tr>
<td>Drain hose Ø 2 inch, length 33 ft, with connector coupling</td>
<td>3912</td>
</tr>
<tr>
<td>Return hose Ø 2 inch (50 mm), length 6.5 ft (2 m), with connector coupling and distribution end piece</td>
<td>3812</td>
</tr>
<tr>
<td>Vacuum hose Ø 2 inch (50 mm), length 6.5 ft (2 m), crushable with connector cuffs</td>
<td>5001</td>
</tr>
</tbody>
</table>
## Industrial Vacuum Cleaners

### Your Benefits At a Glance

- Best Quality
- High quality workmanship
- Tight fit with ESTA attachments and accessories

### Accessories & Attachments

#### Hoses

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum hose, Ø 2 in (50 mm), black, crushable, without end cuffs sold by the foot</td>
<td>5002</td>
</tr>
<tr>
<td>PU-hose, B1-tested, Ø 2 in (50 mm), length 10 ft (3 m), heavy duty, with steel end cuffs</td>
<td>6001</td>
</tr>
<tr>
<td>PU-hose, B1-tested, Ø 2 in (50 mm), sold by the foot</td>
<td>06000551</td>
</tr>
<tr>
<td>Abrasion resistant special purpose hose, PU, Ø 2 in (50 mm), length 10 ft (3 m), transparent, with end cuffs</td>
<td>5021</td>
</tr>
<tr>
<td>Abrasion resistant special purpose hose, PU, Ø 2 in (50 mm), transparent, sold by the foot</td>
<td>5022</td>
</tr>
</tbody>
</table>

#### Nozzles/Brushes

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy duty floor cleaning tool, Ø 1.5 in (36 mm), 15 in (370 mm) wide, with height adjustable guide wheels</td>
<td>3605</td>
</tr>
<tr>
<td>Combination floor cleaning tool, Ø 1.5 in (36 mm), 14.5 in (360 mm) wide</td>
<td>3607</td>
</tr>
<tr>
<td>Water extraction floor tool, 16 in (400 mm) wide</td>
<td>3606</td>
</tr>
<tr>
<td>Crevice tool, Ø 1.5 in (36 mm)</td>
<td>3609</td>
</tr>
<tr>
<td>Universal-vacuum brush tool, Ø 1.5 in (36 mm), lateral opening 4 in (100 mm), double brushes with dense short bristles</td>
<td>3610</td>
</tr>
<tr>
<td>Round style vacuum brush, Ø 1.5 in (36 mm), round orifice 2 in (55 mm), dense long bristles</td>
<td>3611</td>
</tr>
<tr>
<td>Radiator brush, Ø 1.5 in (36 mm)</td>
<td>3612</td>
</tr>
</tbody>
</table>
## Accessories & Attachments

- Best Quality
- High quality workmanship
- Tight fit with ESTA attachments and accessories

### Nozzles/Brushes

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pool floor cleaning nozzle 18 in (460 mm) wide</td>
<td>3808</td>
</tr>
<tr>
<td>Car cleaning brush 5 x 1 in (120 x 30 mm)</td>
<td>3613</td>
</tr>
<tr>
<td>Metal floor cleaning tool Ø 2 in (50 mm) round, wide, for B-1 model, with two height adjustable guide wheels</td>
<td>6008</td>
</tr>
<tr>
<td>Metal crevice tool Ø 2 in (50 mm) round, chrome plated, vacuum opening 4 in (95 mm)</td>
<td>5059</td>
</tr>
<tr>
<td>Wide metal vacuum tool Ø 2 in (50 mm) round, chrome plated, vacuum opening 5 in (115 mm)</td>
<td>5060</td>
</tr>
<tr>
<td>Industrial strength metal floor cleaning tool Ø 2 in (50 mm), 20 in (500 mm) wide, heavy duty design, with two height adjustable guide wheels</td>
<td>5008</td>
</tr>
<tr>
<td>Crevice tool Ø 2 in (50 mm) (2.3 in (58 mm)), 14 in (350 mm) wide</td>
<td>5004</td>
</tr>
<tr>
<td>Pointed vacuum nozzle Rubber, vacuum opening of 4 in (10 mm) can be enlarged up to Ø 1 in (25 mm) by cutting the tip off</td>
<td>5009</td>
</tr>
<tr>
<td>Machine cleaning tool Ø 2 in (50 mm), made of rubber, jointed vacuum opening 4 x 6 in (95 x 15 mm), incl. tapered alum. end</td>
<td>5010</td>
</tr>
<tr>
<td>Pipe cleaning tool (Banana brush) Ø 2 in (50 mm), jointed for cleaning pipe surfaces with a max. Ø of 4 in (100 mm) that are hard-to-access</td>
<td>5011</td>
</tr>
<tr>
<td>Pipe cleaning tool (Banana brush) Ø 2 in (50 mm), jointed for cleaning pipe surfaces with a max. Ø of 8 in (200 mm) that are hard-to-access</td>
<td>5012</td>
</tr>
<tr>
<td>Square extraction hood Ø 2 in (50 mm), made of PVC, for extracting light dust and particles</td>
<td>5007</td>
</tr>
</tbody>
</table>
## Industrial Vacuum Cleaners

### Accessories & Attachments

- Best Quality
- High quality workmanship
- Tight fit with ESTA attachments and accessories

### Your Benefits At a Glance

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nozzles/Brushes</strong></td>
<td></td>
</tr>
<tr>
<td>Metal floor cleaning tool for DUROSOG model, with connection hose</td>
<td>5018</td>
</tr>
<tr>
<td>Metal floor cleaning tool for EUROSOG model, with connection hose</td>
<td>5003</td>
</tr>
<tr>
<td>Wide nozzle Ø 2.5 in (63 mm), vacuum opening 4 x 1 in</td>
<td>96.163</td>
</tr>
<tr>
<td>Crevice tool Ø 2.5 in (63 mm), vacuum opening 3 x 1 in</td>
<td>96.263</td>
</tr>
<tr>
<td><strong>Floor Wands</strong></td>
<td></td>
</tr>
<tr>
<td>Floor wand Ø 1.5 in (35 mm), 2-piece, length 21 in (530 mm)</td>
<td>3603</td>
</tr>
<tr>
<td>Floor wand Ø 2 in (50 mm), 2-piece, length 47 in (1200 mm), angled, aluminium, with tapered intake</td>
<td>5013</td>
</tr>
<tr>
<td>Floor wand Ø 2 in (50 mm), 2-piece, length 55 in, aluminium</td>
<td>5020</td>
</tr>
<tr>
<td>Floor wand Ø 2 in (50 mm), 2-piece, length 55 in, stainl. steel</td>
<td>6013</td>
</tr>
<tr>
<td><strong>Miscellaneous</strong></td>
<td></td>
</tr>
<tr>
<td>Telescopic extension</td>
<td>2304</td>
</tr>
<tr>
<td>Hose shut-off with ball valve for discharge hose</td>
<td>3915</td>
</tr>
<tr>
<td>Swivel cuff Ø 2 in (50 mm), made of PVC</td>
<td>5035</td>
</tr>
<tr>
<td>90 degree elbow machined</td>
<td>5026</td>
</tr>
<tr>
<td>Universal-Adapter Ø 2 – 1 in (50 - 28 mm), made of PVC, for connecting handheld tools</td>
<td>6019</td>
</tr>
</tbody>
</table>
## Accessories & Attachments

- Best Quality
- High quality workmanship
- Tight fit with ESTA attachments and accessories

### Your Benefits At a Glance

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dust Collection, Extraction, Cleaning</strong></td>
<td></td>
</tr>
<tr>
<td><strong>PRETTYBOY</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ESTA FURNACE VACUUM</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WHISPERSOG 3.0 FA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WHISPERSOG 2.2 Jet</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WHISPERSOG 2.2 FM</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SPÅNESOG-S</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EUROSOG-I-D/M</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EUROSOG-I-D/M/B1</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EUROSOG-I-D/M EUROSOG-W/H</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EUROSOG-W/N</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DUROSOG-I-D/M/B1</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DUROSOG-I-D/M</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DUROSOG-W/H</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DUROSOG-W/N</strong></td>
<td></td>
</tr>
<tr>
<td><strong>MULTISOG-3</strong></td>
<td></td>
</tr>
<tr>
<td><strong>MULTISOG-1</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WHISPERSOG 3.0 FM</strong></td>
<td></td>
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<tr>
<td><strong>WHISPERSOG 2.2 FA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WHISPERSOG 2.2 FA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WHISPERSOG 3.0 FM</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Miscellaneous

- Dust extraction hood for grinding wheel
  - Ø 2 in (50 mm), made of sheet metal: 5014
- Dust extraction hood
  - Ø 2 in (50 mm), made of sheet metal, for positioning on a workbench: 5024
- Hose coupler
  - Ø 2 in (50 mm), for connecting two vacuum hoses with opposing inside threads: 5019
- Hose coupler
  - Ø 2 in (50 mm), for connecting two vacuum hoses with tapered ends: 5029
- Swivel cuff
  - Ø 2 in (50 mm), made of steel, galvanized for specialized hose of B1-model: 15.000.270
- Hose coupler
  - Ø 2 in (50 mm), made of aluminium: 5016
- Pre-separator
  - Piggy-back pre-separator
    - for industrial vacuums DUROSOG-W and -I-D: 1104
  - Pre-separator TR 1
    - Ø 2 in (50 mm), 28 gallon collection container, wheel base, collection container with plastic bag insert, cover with intake connection and outlet connection to the vacuum: 1100
  - Pre-separator TR 2
    - Ø 2 in (50 mm), 55 gallon collection container, wheel base, collection container with plastic bag insert, cover with intake connection and outlet connection to the vacuum: 1200
Industrial Vacuum Cleaners

Your Benefits At a Glance

Accessories & Attachments

- Best Quality
- High quality workmanship
- Tight fit with ESTA attachments and accessories

Pre-separators

<table>
<thead>
<tr>
<th>Pre-separator Name</th>
<th>Ø 2 in (50 mm)</th>
<th>Collection Container</th>
<th>Wheel Base</th>
<th>Collection Container with Hose Connection</th>
<th>Filter Cage</th>
<th>Cloth Filter</th>
<th>Outlet Connection to the Vacuum</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-separator NA 1</td>
<td>55 gallon</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>1202</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Pre-separator NA 2</td>
<td>28 gallon</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>2302</td>
</tr>
<tr>
<td></td>
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<td></td>
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<td></td>
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<tr>
<td>Pre-separator ST 1</td>
<td>55 gallon</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>1203</td>
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<tr>
<td>Pre-separator ST 2</td>
<td>28 gallon</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>2302</td>
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<tr>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Give us a call, we will be happy to assist you.
Phone: 1-800-968-3782
Welding Fume Filters

For precise capture and extraction of welding smoke

Application Range

Welding of:
Construction steel
Stainless steel (Chrome-Nickel, etc.)
Coated sheet metal
Aluminium
Galvanized parts
Direct extraction at the welding torch etc.

Test Certificate:

Welding of:
Construction steel
Stainless steel (Chrome-Nickel, etc.)
Coated sheet metal
Aluminium
Galvanized parts
Direct extraction at the welding torch etc.

SRF K-10/K-15
SRF T-2/T-4
SRF SK
KAF-70/100
DUSTEX F

SRF K-10 in a metalworking application
DUSTEX F – as part of a central extraction system
SRF K-15 with two extraction arms
SRF SK at a workstation
KAF-70 integrated in a soldering fume extraction application
SRF T-4 in a mobile extraction application
Welding Fume Filters

Welding Fume Filters from ESTA – Introduction and Product Overview

Introduction

During welding fumes are generated that are hazardous to your health. The welding fumes can be captured and filtered with a welding fume filtration unit either directly through an extraction nozzle or with an extraction arm. The filtered air can then be returned into the workplace or exhausted to the outside.

Product Overview

Depending on the application ESTA offers different types of equipment for the extraction and filtration of welding fumes. The SRF K series is recommended for mobile welding fume extraction at one or two workstations. The compact and mobile design makes these units highly manoeuvrable so that they can be moved effortlessly to any extraction location. The high extraction performance of these units permits the extraction of welding fumes over a larger distance making the job easier for the welder. ESTA extraction arms with specially developed extraction hoods are used to capture the fumes.

The SRF T series are portable and compact welding fume filters for exterior work. The SRF SK models have been designed for direct extraction of welding fumes at the welding torch. The DUSTEX F model series includes the largest and most powerful extraction and filtration systems in the field of welding fume extraction and filtration. These large units are used as stationary central welding fume filtration systems for three or more extraction locations, for extraction applications with large hoods or fume extraction from welding cells.
Mobile welding fume filter SRF K-10

SRF K-10

- Powerful capturing of the welding fumes
- Mobile for versatile use and suitable for continuous duty applications
- Compact and user friendly design
- Low operating costs through the use of cleanable long life cartridge filters
- Convenient disposal of the dust

Your Benefits at a Glance

Product Description

The mobile welding fume extractor SRF K-10 is suitable for all types of welding workstations. The unit generates such a high airflow volume that even large clouds of welding smoke can be extracted effortlessly. The smoke filled air will be filtered with 99.9% efficiency and the clean air will be returned into the workplace.

The patented ESTA tilt-back mechanism of the filter housing makes the disposal of the dust, which is collected in a bag a breeze. Cleanable long life cartridge filters keep the operating costs of the unit low.

Technical Data

<table>
<thead>
<tr>
<th>Technical Data</th>
<th>SRF K-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welding fume filter model SRF</td>
<td>K-10</td>
</tr>
<tr>
<td>Max. airflow cfm</td>
<td>589</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>6</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>10</td>
</tr>
<tr>
<td>Voltage V</td>
<td>230 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>2</td>
</tr>
<tr>
<td>Filter surface sq ft</td>
<td>108</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>37 / 30 / 54</td>
</tr>
<tr>
<td>Weight lb</td>
<td>152</td>
</tr>
<tr>
<td>Order Number</td>
<td></td>
</tr>
<tr>
<td>Standard model</td>
<td>55.203</td>
</tr>
<tr>
<td>Stand. model with BIA &quot;W2&quot; Test Cert.</td>
<td>55.234</td>
</tr>
<tr>
<td>Stand. model with BIA &quot;W3&quot; Test Cert.</td>
<td>55.235</td>
</tr>
<tr>
<td>Man. operated rotating filter cleaning</td>
<td>70 268 130</td>
</tr>
<tr>
<td>Autom. filter cleaning system</td>
<td>70 268 115</td>
</tr>
<tr>
<td>Autom. filter cleaning system, BIA*-test.</td>
<td>70 272 115</td>
</tr>
</tbody>
</table>

* 110 – 120 V, 50 – 60 Hz, 1 ph
BIA*) German Institute for Occupational Health and Safety

Features

Application Range:
- Intermittent and continuous duty operation
- Welding of all types of metals (Chrome-Nickel-Steel only with BIA Test Certificate)
- Soldering fume extraction

Special Features:
- Filter cleaning with compressed air gun (manually) or fully automatic
- Cleanable long life cartridge filters of dust classification M
- BIA Test Certificates W2 and W3

Data dependent on equipment type
Welding Fume Filters

Your Benefits at a Glance

SRF K-15

- High performance extraction at two extraction locations
- Mobile for versatile use and suitable for continuous duty applications
- Compact and user friendly design
- Low operating costs through cleanable cartridge filters
- Easy disposal of the collected dust

Product Description

The SRF K-15 is the big brother of the SRF K-10. This model is recommended for large amounts of welding smoke or for simultaneous extraction of two workstations.

Technical Data

<table>
<thead>
<tr>
<th>Feature</th>
<th>SRF K-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow (cfm)</td>
<td>1177</td>
</tr>
<tr>
<td>Intake diameter (in)</td>
<td>2 x 6</td>
</tr>
<tr>
<td>Max. negative pressure (in of water)</td>
<td>10</td>
</tr>
<tr>
<td>Voltage (V)</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor (hp)</td>
<td>3</td>
</tr>
<tr>
<td>Filter surface (sq ft)</td>
<td>161</td>
</tr>
<tr>
<td>Dimensions (L/W/H) (in)</td>
<td>37 / 30 / 54</td>
</tr>
<tr>
<td>Weight (lb)</td>
<td>163</td>
</tr>
<tr>
<td>Order Number</td>
<td></td>
</tr>
<tr>
<td>Standard model</td>
<td>55.212</td>
</tr>
<tr>
<td>Stand. model with BIA &quot;W2&quot; Test Cert.</td>
<td>55.228</td>
</tr>
<tr>
<td>Stand. model with BIA &quot;W3&quot; Test Cert.</td>
<td>55.229</td>
</tr>
<tr>
<td>Man. operated rotating filter cleaning</td>
<td>70 269 130</td>
</tr>
<tr>
<td>Autom. filter cleaning system</td>
<td>70 269 114</td>
</tr>
<tr>
<td>Autom. filter cleaning system, BIA*)-test.</td>
<td>70 273 114</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph
BIA*) German Institute for Occupational Health and Safety

Advantages (SRF K-10 and K-15)

- Low operating costs with cleanable long life cartridge filters of BIA dust classification M
- Compact design
- Highly mobile
- Pneumatic filter cleaning manually with compressed air gun or fully automatic
- Tough plastic housing
- Also suitable as soldering fume filtration unit (custom unit)
- Auto-start through welding arc possible
- Optional activated carbon odour filter

Features

Application Range:
- Intermittent and continuous duty use
- Welding of all types of metals (Chrome-nickel-steel only with BIA Test Certificate)
- Soldering fume extraction

Special Features:
- Filter cleaning with compressed air gun (manually) or fully automatic
- Cleanable long life cartridge filters of dust classification M
- BIA Test Certificates W2 and W3

Data dependent on equipment type
Disposal of the Dust

By tilting the filter housing the extracted dust slides through the opening at the bottom in the sealable dust collection bag. This ensures removal of the dust without a mess.

Wall Console

Metal bracket for wall mounting of the welding fume filter.
Order Number 60400001

Accessories and Attachments

Sensor Activated Auto-Start

With the help of an optical sensor the welding fume filter starts automatically when the welding arc is ignited.

Auto-Start through Welding Clamps

When the welding clamp is attached to the ground cable of the welding equipment the welding fume filter starts up automatically.

Extraction Hood with Integrated Lighting

An integrated halogen lamp inside the extraction hood provides optimal illumination of the welding area.

SRF K-10 Order Number 70268127
SRF K-15 Order Number 70269127

SRF K-10 Order Number 70268126
SRF K-15 Order Number 70269126

Order Number 15430
Welding Fume Filters

SRF K-10
SRF K-15

Filter Cleaning

Standard Cleaning Method (manually)
Quick and effective filter cleaning manually with a compressed air gun: The pleats of the cartridge filter are blown off with compressed air from the inside out. The smoke particles detach from the filter material and drop in the collection channel inside the filter housing.

Rotating Cleaning System (manually)
A compressed air connection to the manually operated rotating cleaning system ensures equal cleaning of the filter pleats.

Automatic Cleaning System
With the automatic cleaning method the filter cleaning process starts after the fan has come to a stop. In the case of models with BIA*) test certificate the necessity for filter cleaning is announced with an acoustic horn.

For standard models
SRF K-10 Order Number 70268130
SRF K-15 Order Number 70269130

For BIA tested models
SRF K-10 Order Number 70268115
SRF K-15 Order Number 70269114

BIA*) German Institute for Occupational Health and Safety
Your Benefits at a Glance

SRF T-2
SRF T-4

- Portable units that can be used in any location
- Compact and functional design
- Low operating costs with cleanable long life cartridge filters

Technical Data

<table>
<thead>
<tr>
<th>Welding fume filter SRF</th>
<th>T-2</th>
<th>T-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>118</td>
<td>235</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>2</td>
<td>2 x 2</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>76</td>
<td>76</td>
</tr>
<tr>
<td>Voltage V</td>
<td>230 *</td>
<td>230 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Filter surface sq ft</td>
<td>9</td>
<td>17</td>
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<tr>
<td>Dimensions (L/W/H) in</td>
<td>15 / 8 / 20</td>
<td>19 / 6 / 22</td>
</tr>
<tr>
<td>Weight lb</td>
<td>33</td>
<td>59</td>
</tr>
<tr>
<td>Order Number</td>
<td>55.101</td>
<td>55.102</td>
</tr>
</tbody>
</table>

* 110 – 120 V, 50 – 60 Hz, 1 ph

Product Description

The compact and portable SRF T models capture the welding fumes directly at the source. Cleanable long life cartridge filters keep the operating costs of these units low.

A dust drawer makes disposal of the extracted dust easy and convenient.

Cone shaped nozzle
Order Number 94.740

Slotted nozzle
Order Number 94.741

Features

Application Range:
- Outside work, assembly or construction sites
- Non-alloy steels and steel with low alloy content

Special Features:
- Integrated compressed air cleaning nozzle
- Cleanable long life cartridge filters of dust classification M
Welding Fume Filters

Your Benefits at a Glance

SRF SK-2.2 through SK-13.0

- High suction performance for direct extraction at the welding torch
- Simultaneous extraction from up to eleven workstations possible
- Rated for continuous duty operation
- Low operating costs with cleanable long life cartridge filters

Data dependent on equipment type

Technical Data

<table>
<thead>
<tr>
<th>Welding fume filter SRF</th>
<th>SK-2.2</th>
<th>SK-5.5</th>
<th>SK-7.5</th>
<th>SK-13.0</th>
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<td>Max. airflow cfm</td>
<td>177</td>
<td>283</td>
<td>500</td>
<td>647</td>
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<tr>
<td>Intake diameter in</td>
<td>2</td>
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<td>5</td>
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<tr>
<td>Max. negative pressure in of water</td>
<td>84</td>
<td>98</td>
<td>100</td>
<td>88</td>
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<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>3</td>
<td>7.5</td>
<td>10</td>
<td>18</td>
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<tr>
<td>Filter surface sq ft</td>
<td>108</td>
<td>161</td>
<td>161</td>
<td>161</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in</td>
<td>52 / 21 / 47</td>
<td>66 / 31 / 51</td>
<td>67 / 31 / 51</td>
<td>67 / 31 / 51</td>
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<tr>
<td>Weight lb</td>
<td>330</td>
<td>506</td>
<td>506</td>
<td>506</td>
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<tr>
<td>Order Number</td>
<td>55.146</td>
<td>55.161</td>
<td>55.147</td>
<td>55.148</td>
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<tr>
<td>Manual cleaning (compressed air)</td>
<td>55.149</td>
<td>55.150</td>
<td>55.151</td>
<td>55.153</td>
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<tr>
<td>Pneumatic cleaning</td>
<td>55.149</td>
<td>55.150</td>
<td>55.151</td>
<td>55.153</td>
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<tr>
<td>Pulse-jet cleaning</td>
<td>-</td>
<td>55.163</td>
<td>55.152</td>
<td>55.153</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

Features

Application Range:
- Intermittent use and continuous duty applications
- Direct extraction at the welding torch
- Non-alloy steels and steel with low alloy content

Special Features:
- Filter cleaning with compressed air gun, pneumatic or pulse-jet cleaning system
- Cleanable long life cartridge filters of dust classification M

Data dependent on equipment type

Product Description

This high vacuum welding fume filter series SRF SK can extract welding fumes from several welding torches simultaneously if connected to a suitable pipe system. The high vacuum performance of these units guarantees optimal extraction performance even over longer distances.

The SRF SK models are available in four models of increasing vacuum power. In addition the different models are available with different filter cleaning systems – manual cleaning with compressed air, pneumatic cleaning or pulse-jet cleaning.
**Your Benefits at a Glance**

- TAF-70
- KAF-100

- Especially recommended for the extraction of soldering fumes
- Compact and functional design
- Mobile for versatile use

- Odour eliminating activated carbon filter

---

**Product Description**

The KAF series is recommended for the extraction of fine dust or soldering fumes. The secondary activated carbon filter eliminates odors. Mobile unit with four casters for versatile use.

These models are available in three-phase current or in alternating current. Both models are suitable for continuous duty applications.

---

**Technical Data**

<table>
<thead>
<tr>
<th>KAF</th>
<th>Max. airflow cfm</th>
<th>Intake diameter in</th>
<th>Max. negative pressure in of water</th>
<th>Voltage V</th>
<th>Motor hp</th>
<th>Dimensions (L/W/H) lb</th>
<th>Weight kg</th>
<th>Order Number</th>
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<tr>
<td>-70</td>
<td>294</td>
<td>2</td>
<td>4</td>
<td>230 *</td>
<td>0.75</td>
<td>15 / 18 / 29</td>
<td>66</td>
<td>07.071 L/S</td>
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<tr>
<td>-100</td>
<td>412</td>
<td>2 x 2 or.</td>
<td>4</td>
<td>230 *</td>
<td>0.75</td>
<td>19 / 19 / 36</td>
<td>92</td>
<td>07.101 L/S</td>
</tr>
</tbody>
</table>

* 110 – 120 V, 50 – 60 Hz, 1 ph

---

**Features**

**Application Range:**
- Extraction of single and multiple workstations
- Laboratories and precision mechanical work
- Fine dust and soldering fumes

**Special Features:**
- Manual filter cleaning
- Activated carbon filter cassette

---

Data dependent on equipment type
Welding Fume Filters

Your Benefits at a Glance

Modular Welding Fume Extraction System
DUSTEX F

- High performance welding fume extraction from multiple locations, from welding cells or from large extraction hoods
- Customer specific design of the system
- Modular for future expansion
- Low operating costs with cleanable long life filter cartridges

Technical Data

<table>
<thead>
<tr>
<th>DUSTEX</th>
<th>F-60</th>
<th>F-64</th>
<th>F96</th>
<th>F-144</th>
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<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>3590</td>
<td>4297</td>
<td>6062</td>
<td>7769</td>
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<td>Intake/outlet diameter in</td>
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<td>12 / 14</td>
<td>14 / 16</td>
<td>18 / 20</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>15</td>
<td>15</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>Voltage V</td>
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<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>7.5</td>
<td>10</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>Filter surface sq ft/cartridges</td>
<td>646 / 4</td>
<td>689 / 4</td>
<td>1033 / 6</td>
<td>1550 / 9</td>
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<tr>
<td>Collection container gal</td>
<td>14</td>
<td>14</td>
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<tr>
<td>Dimensions (B/W/H) in</td>
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<td>55 / 53 / 124</td>
<td>72 / 57 / 144</td>
<td>73 / 75 / 146</td>
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<td>Weight lb</td>
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<td>1628</td>
<td>1936</td>
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<td>Order Number</td>
<td>663.060</td>
<td>663.064</td>
<td>663.096</td>
<td>663.144</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

Features

Application Range:
- Central systems with multiple extraction locations
- Large extraction hoods or cells, e.g. robotic welding stations
- All types of steel

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

Product Description

The DUSTEX F model series is recommended for simultaneous extraction of welding fumes from multiple workstations. The modular design of this system can be easily adapted for large quantities of welding smoke, which can be extracted through a suitable pipe system. This modular system can also be easily expanded later on if necessary.

The DUSTEX models are equipped with cleanable long life cartridge filters to keep the operating costs low. The filter cleaning is performed automatically during operation with a pulse-jet cleaning system.
Your Benefits at a Glance

Accessories & Attachments

- Designed for the ESTA product range
- Can accommodate most customer requirements
- High quality and durability

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extraction Arms</td>
<td></td>
</tr>
<tr>
<td>Extraction arm</td>
<td></td>
</tr>
<tr>
<td>with square hood design, Ø 5.5 in (140 mm), length 6.5 ft (2 m)</td>
<td>14.204</td>
</tr>
<tr>
<td>Extraction arm</td>
<td></td>
</tr>
<tr>
<td>with square hood design, Ø 5.5 in (140 mm), length 10 ft (3 m)</td>
<td>14.304</td>
</tr>
<tr>
<td>Extraction arm</td>
<td></td>
</tr>
<tr>
<td>with specialized square hood 24 x 24 in (600 x 600 mm), Ø 5.5 in (140 mm), length 6.5 ft (2 m)</td>
<td>14.203</td>
</tr>
<tr>
<td>Extraction arm</td>
<td></td>
</tr>
<tr>
<td>with specialized square hood 24 x 24 in (600 x 600 mm), Ø 5.5 in (140 mm), length 10 ft (3 m)</td>
<td>14.303</td>
</tr>
<tr>
<td>Hoods/Nozzles</td>
<td></td>
</tr>
<tr>
<td>Plastic moulded hood square design, Ø 5.5 in (140 mm)</td>
<td>030.00.201</td>
</tr>
<tr>
<td>Specialized square hood made of metal, square design 24 x 24 in (600 x 600 mm), Ø 5.5 in (140 mm)</td>
<td>94.222</td>
</tr>
<tr>
<td>Funnel shaped nozzle flexible, with magnetic mounting foot</td>
<td>94.740</td>
</tr>
<tr>
<td>Slotted nozzle</td>
<td></td>
</tr>
<tr>
<td>8 in (200 mm) wide, with magnetic mounting foot</td>
<td>94.741</td>
</tr>
<tr>
<td>Extraction arm 50 D overall extension 35 in (900 mm), with angled extraction opening</td>
<td>50.080</td>
</tr>
</tbody>
</table>
Welding Fume Filters

Your Benefits at a Glance

Accessories & Attachments

- Designed for the ESTA product range
- Can accommodate most customer requirements
- High quality and durability

Product Description | Order No.
--- | ---
**Miscellaneous** | |
Lighting kit installed in the extraction hood | 15.430 • •
Optical sensor installed in the extraction hood, for auto-start of the welding fume filter unit | 702.68.127 • • 702.69.127 •
Welding clamp attaches to the grounding connection for auto-start of the welding fume filter unit | 702.68.126 • • 702.69.126 •
On/off switch integrated in the extraction hood | 702.68.128 • • 702.69.128 •
Protective welding shield with integrated fume extraction slots | 94.743 • • • • • •
Extraction hose length 16 ft (5 m), including connector cuff | 45.500 • • • • • •
Extraction hose sold by the foot | 45.501 • • • • • •
Protective welding shield with swivel arm for a working range of 19.5 ft, connection Ø 5 in, length of swivel arm rail 10 ft, 29.5 ft extraction hose length Ø 5 in, balancer, available as wall mount unit or with floor standpipe | 92.204 • •
Protective welding shield with swivel arm same as 92.204, but with length of swivel arm rail of 14.8 ft | 92.205 • •
Wall mount bracket for wall mounting of the welding fume filter | 604.00.001 • •
Activated carbon filter additional filter to eliminate odours | 702.68.129 • • 702.69.129 •
Exhaust air outlet for exhausting the filtered air outside, Ø 7 in (180 mm) | 702.68.111 • • 702.69.111 •
## Welding Fume Filters

### Your Benefits at a Glance

- Extraction directly at the workstation
- Compact solution
- For variable use
- Easy disposal of coarse dirt

## Welding/Grinding Downdraft Tables

for connection to a mobile or stationary extraction system

### Description

The ESTA worktable is a complete solution for welding and grinding. It is adjustable in height and of rugged and safe construction. The hinged side panels can be swung out of the way to accommodate larger work pieces.

### Advantages

- Strong sheet metal construction
- Sufficient leg room
- Galvanized metal grating
- Height adjustable (± 4 inches)
- Dust collection drawer for coarse dirt and debris
- Variable extraction port (right or left hand side)
- Hinged side panels can be swung backwards
- Rear wall extraction
- Cover for optimal air flow

### Technical Data

<table>
<thead>
<tr>
<th>Technical Data</th>
<th>A 880</th>
<th>A 1280</th>
<th>A 1680</th>
<th>A 2080</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welding and Grinding Table with extraction fan</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work surface (L/W) in</td>
<td>31.5 x 27.5</td>
<td>47.25 x 27.5</td>
<td>63 x 27.5</td>
<td>78.75 x 27.5</td>
</tr>
<tr>
<td>Extraction port diam. in</td>
<td>6.3</td>
<td>6.3</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in (Standard-Model)</td>
<td>35 x 33 x 31.5</td>
<td>50.5 x 33 x 31.5</td>
<td>66 x 33 x 31.5</td>
<td>82 x 33 x 31.5</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in (with side panels/ back wall extraction)</td>
<td>35 x 33 x 63</td>
<td>50.5 x 33 x 63</td>
<td>66 x 33 x 63</td>
<td>82 x 33 x 63</td>
</tr>
<tr>
<td>Order-No.</td>
<td>44.010</td>
<td>44.020</td>
<td>44.030</td>
<td>44.040</td>
</tr>
<tr>
<td>Standard with side panels</td>
<td>44.011</td>
<td>44.021</td>
<td>44.031</td>
<td>44.041</td>
</tr>
<tr>
<td>with back wall extraction</td>
<td>44.012</td>
<td>44.022</td>
<td>44.032</td>
<td>44.042</td>
</tr>
</tbody>
</table>

### Features

#### Application Range:
- Welding, grinding, deburring of all types of metals
- Also suitable for other applications (e.g. plastics processing, gluing etc.)

#### Special Feature:
- Complete solution
- Expandable components
- Hinged side panels
- Back wall extraction
- Cover on top (lid)
Welding Fume Filters

Your Benefits at a Glance

- Operate independently from a central extraction system
- Extraction directly at the workstation
- Compact solution
- For variable use
- Easy disposal of coarse dirt

Welding/Grinding Downdraft Tables with extraction fan to discharge the extracted air outside

This model series has a built-in extraction fan, which permits the use as a welding and grinding table independent from a central extraction system. Consequently, the AV series has an even wider application range.

Description

Technical Data

<table>
<thead>
<tr>
<th>Welding and Grinding Table with extraction fan</th>
<th>AV 880</th>
<th>AV 1280</th>
<th>AV 1680</th>
<th>AV 2080</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work surface (L/W) in</td>
<td>31.5 x 27.5</td>
<td>47.25 x 27.5</td>
<td>63 x 27.5</td>
<td>78.75 x 27.5</td>
</tr>
<tr>
<td>Extraction port diam. in</td>
<td>6</td>
<td>6</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in (Standard-Model)</td>
<td>35 x 33 x 31.5</td>
<td>50.5 x 33 x 31.5</td>
<td>66 x 33 x 31.5</td>
<td>82 x 33 x 31.5</td>
</tr>
<tr>
<td>Dimensions (L/W/H) in (with side panels/ back wall extraction)</td>
<td>35 x 33 x 63</td>
<td>50.5 x 33 x 63</td>
<td>66 x 33 x 63</td>
<td>82 x 33 x 63</td>
</tr>
<tr>
<td>Order-No.</td>
<td>44.110</td>
<td>44.120</td>
<td>44.130</td>
<td>44.140</td>
</tr>
<tr>
<td>Standard</td>
<td>44.111</td>
<td>44.121</td>
<td>44.131</td>
<td>44.141</td>
</tr>
<tr>
<td>with side panels</td>
<td>44.112</td>
<td>44.122</td>
<td>44.132</td>
<td>44.142</td>
</tr>
</tbody>
</table>

For the technical data of the RG-200 (extraction fan) see page 76

Optional Features

- Mobile unit on casters
- Lighting installed in the cover
- Version with T steel grating, wooden grating
- Custom sized dimensions available
- Rotary table that can be positioned on the grating
- Surface reinforcement for mounting a vise

Custom Unit

- Complete solution with integrated extraction fan and filter for applications where the exhaust air must be returned into the work area
Oil Mist Separators

Product Description

During the machining of metals the cutting fluids evaporate. The oil mist separator AS will be installed directly above the processing machine where it extracts the mist that is generated during the machining processes.

Features

- Application Range:
  - Extraction of lubricant mist and fumes
- Special Features:
  - Manual cleaning
  - Mechanical filtration

Technical Data

<table>
<thead>
<tr>
<th>Oil mist separators</th>
<th>AS 600</th>
<th>AS 1100</th>
<th>AS 1600</th>
<th>AS 3000</th>
<th>AS 4000</th>
<th>AS 6000</th>
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</thead>
<tbody>
<tr>
<td>Max. airflow</td>
<td>353</td>
<td>647</td>
<td>942</td>
<td>1766</td>
<td>2354</td>
<td>3531</td>
</tr>
<tr>
<td>Intake diameter</td>
<td>6</td>
<td>8</td>
<td>8</td>
<td>12</td>
<td>12</td>
<td>12 / 16</td>
</tr>
<tr>
<td>Voltage</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor</td>
<td>0.7</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Dimensions (L/W/H)</td>
<td>31 / 16 / 16</td>
<td>46 / 19 / 20</td>
<td>46 / 19 / 20</td>
<td>53 / 29 / 27</td>
<td>53 / 29 / 27</td>
<td>53 / 29 / 27</td>
</tr>
<tr>
<td>Weight</td>
<td>110</td>
<td>154</td>
<td>165</td>
<td>286</td>
<td>286</td>
<td>440</td>
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<tr>
<td>Order Number</td>
<td>56.101</td>
<td>56.102</td>
<td>56.103</td>
<td>56.104</td>
<td>56.105</td>
<td>56.106</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph
Oil Mist Separators

Your Benefits at a Glance

- High vacuum performance
- Large filter area
- Easy cleaning
- Cleanable long life filter

Functional Principle

Pre-Separator:
Oil and droplets of cutting fluid can be separated utilizing a wear resistant metal mesh separator and non-woven fabric of classification EU 5.

Main Filter:
Inside the highly durable plate collector heavy aerosols are separated from the air stream by redirecting the air stream multiple times. The droplets are forced down by gravity and the collected fluid can be removed at the drain connection.

Secondary Filter:
The remaining mist and aerosol particles will be extracted with a high efficiency sub-micron particulate air filter (EU 13) with an efficiency of nearly 100%. Alternatively a metal mesh separator can be used.

Combined Filtration Process:

Accessories

Flexible Hoses
- Ø 1.3 in (32 mm) Order No. 06000085
- Ø 2.2 in (55 mm) Order No. 06000086
- Ø 3.2 in (80 mm) Order No. 06000090
- Ø 3.9 in (100 mm) Order No. 06000089
- Ø 4.9 in (125 mm) Order No. 06000091
- Ø 5.9 in (150 mm) Order No. 06000092
- Ø 7.9 in (200 mm) Order No. 06000094
Extraction Fans

*For Easy and High Volume Extraction of Dust and Fumes*

- RG-100 – 800
- RG with extraction arm
- RG mobile
- STYROSOG

**Application Range**

- Construction Industry
- Chemical Industry
- Printing Industry
- Flocking Industry
- Janitorial Cleaning Services
- Warehouses
- Work Shops of Skilled Trades
- Automotive Repair Shops
- Machine Building Industry
- Natural and Man Made
- Stone Processing (Stone Masons)
- Paper Industry
- Joinery and Carpentry Shops
- Textile Industry
- Transportation Businesses

- RG with extraction arm
- RG for ceiling mounting
- RG mobile unit
- RG with filter bag
- RG for stand pipe mounting
- RG for wall mounting
Extraction Fans

ESTA Extraction Fan – Introduction and Product Overview

Introduction

Extraction fans in combination with ESTA extraction arms are a cost efficient and effective way of extraction. The dust or fumes are extracted through the extraction arm with a fan and discharged (for example to the outside) without filtration. The purpose is to transport the exhaust air to a different area inside or outside the building.

Product Overview

In addition to the wall mounted equipment mobile versions are available such as the mobile dust and chip collectors (with RG extraction fans) and the Styrofoam chip extractors STYROSOG. The extraction arms are available in different lengths. The extraction hoods are available in oval and square designs.

The exhaust outlet of the extraction fans can be adjusted to the desired position (up to and including model RG 300).
**Extraction Fans**

### RG-100 through -800

- High performance
- Heavy duty construction
- Low operating costs
- Wide range of applications

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**Technical Data**

<table>
<thead>
<tr>
<th>RG</th>
<th>Max. airflow cfm</th>
<th>Intake/outlet diameter in</th>
<th>Max. negative pressure in of water</th>
<th>Voltage V</th>
<th>Motor hp</th>
<th>Dimensions (L/W/H) in</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>589</td>
<td>4</td>
<td>6</td>
<td>400</td>
<td>0.7</td>
<td>17 / 19 / 22 /</td>
<td>01.011</td>
</tr>
<tr>
<td>200</td>
<td>1177</td>
<td>6</td>
<td>6</td>
<td>400</td>
<td>1.5</td>
<td>21 / 24 / 22 /</td>
<td>01.021</td>
</tr>
<tr>
<td>300</td>
<td>1766</td>
<td>7</td>
<td>9</td>
<td>400</td>
<td>3</td>
<td>29 / 25 / 24 /</td>
<td>01.031</td>
</tr>
<tr>
<td>400</td>
<td>2472</td>
<td>9</td>
<td>10</td>
<td>400</td>
<td>4</td>
<td>37 / 37 / 37 /</td>
<td>01.041</td>
</tr>
<tr>
<td>500</td>
<td>2943</td>
<td>10</td>
<td>10</td>
<td>400</td>
<td>5.4</td>
<td>37 / 41 / 40 /</td>
<td>01.051</td>
</tr>
<tr>
<td>600</td>
<td>3531</td>
<td>11</td>
<td>14</td>
<td>400</td>
<td>7.5</td>
<td>38 / 43 / 40 /</td>
<td>01.061</td>
</tr>
<tr>
<td>700</td>
<td>4120</td>
<td>12</td>
<td>14</td>
<td>400</td>
<td>7.5</td>
<td>38 / 44 / 41 /</td>
<td>01.071</td>
</tr>
<tr>
<td>800</td>
<td>4709</td>
<td>14</td>
<td>15</td>
<td>400</td>
<td>10</td>
<td>38 / 44 / 41 /</td>
<td>01.081</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

For other sizes/performance ratings please inquire with us. All equipment will be supplied without motor protection switch.

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**Product Description**

For simple, cost effective and highly efficient extraction of dust, vapours and fumes. Also suitable as conveyor blower for granulates or as fresh air fan for rooms, tanks or underground shafts.

**Features**

**Application Range:**
- Extraction of individual and multiple workstations in industrial and skilled trade applications

**Optional Features**
- AC current for RG-100 and RG-200
- Stainless steel (V2 A) for the food industry
- Motor mounted on the left hand side
- Adjustable exhaust air outlet
- Explosion proof for extraction of highly flammable substances

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**Your Benefits at a Glance**

- Dust Collection, Extraction, Cleaning
Extraction Fans

**Your Benefits at a Glance**

Extraction Fan
RG with Extraction Arm

- Captures the dust or fumes at the source with powerful extraction performance
- Simple and efficient
- Different blower sizes

### Technical Data

<table>
<thead>
<tr>
<th>Extraction unit (RG/extraction arm)</th>
<th>RG-100</th>
<th>RG-200</th>
<th>RG-300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>589</td>
<td>1177</td>
<td>1766</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>4</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>6</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>0.7</td>
<td>1.5</td>
<td>3</td>
</tr>
<tr>
<td>Dimensions RG (L/W/H) in</td>
<td>16 / 22 / 20</td>
<td>19 / 24 / 22</td>
<td>21 / 25 / 24</td>
</tr>
<tr>
<td>Order Number</td>
<td>01.111</td>
<td>01.123</td>
<td>-</td>
</tr>
<tr>
<td>Including extraction arm, 6,5 ft.</td>
<td>-</td>
<td>01.121</td>
<td>01.131</td>
</tr>
<tr>
<td>Including extraction arm, 10 ft.</td>
<td>-</td>
<td>01.122</td>
<td>-</td>
</tr>
<tr>
<td>Including extraction arm, 13 ft.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

### Features

**Application Range:**
- Extraction of individual and multiple workstations in industrial and skilled trade applications

**Special Features:**
- AC current for RG 100 and RG 200 (optional special order models)

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**Product Description**

Smoke or fumes do not always need to be filtered. Often it is sufficient to discharge it outdoors. In this case a cost efficient combination of an extraction fan model type RG and an extraction arm can be used.

The smoke or fumes will be captured at the source with the extraction arm and transported through a flexible hose or a suitable pipe system.
Extraction Fan RG with Ball-Joint Extraction Arm

• Source capture with high extraction performance
• Compact design
• Easy handling

The ball joint extraction arm combined with the RG extraction fan are a complete extraction unit. The extraction fan will be mounted at the ceiling or on the wall. The extraction arm can swivel freely over the entire work area and can be positioned precisely where it is needed. This saves space without compromising the flexible application possibilities.

The installation bracket for ceiling mounting (360° swivel range) or wall mounting (180° swivel range) will be included in the scope of supply.

**Product Description**

**Technical Data**

<table>
<thead>
<tr>
<th>Extraction fan unit (RG/extraction arm)</th>
<th>RG-200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>1177</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>6</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>6</td>
</tr>
<tr>
<td>Voltage V</td>
<td>230* / 400**</td>
</tr>
<tr>
<td>Motor hp</td>
<td>1.5</td>
</tr>
<tr>
<td>Dimensions RG (L/W/H) in</td>
<td>16 / 24 / 22</td>
</tr>
</tbody>
</table>

**Order Number**

- Including extraction arm, 10 ft (3 m) 01.121D
- Including extraction arm, 13 ft (4 m) 01.122D

* 110 – 120 V, 50 – 60 Hz, 1 ph
** 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

**Features**

**Application Range:**
- Extraction of individual and multiple workstations in industrial and skilled trade applications

**Special Features:**
- AC current for RG 100 and RG 200 (optional special order models)
Extraction Fans

Your Benefits at a Glance

Mobile RG Extraction and Filtration Units

- Simple and effective filter system
- Mobile for easy positioning
- Universal and versatile use

Mobile RG Extraction and Filtration Units

- Simple and effective filter system
- Mobile for easy positioning
- Universal and versatile use

The mobile RG extraction fans are suitable for cost efficient extraction of dust and chips in a variety of applications. We offer two different types of filters: One type is a fabric filter and the other type is a long life cartridge filter element. In commercial woodworking applications this type of equipment is not approved according to regulation TRG 553. For these applications we can offer you our certified DUSTOMAT dust extractor models (see pages 10-15).

Technical Data

<table>
<thead>
<tr>
<th>Mobile extraction unit</th>
<th>RG-100</th>
<th>RG-200</th>
<th>RG-300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow</td>
<td>589</td>
<td>1177</td>
<td>1766</td>
</tr>
<tr>
<td>Intake diameter</td>
<td>4</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Max. negative pressure</td>
<td>6</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>0.7</td>
<td>1.5</td>
<td>3</td>
</tr>
<tr>
<td>Filter surface (cartridge filter) sq ft</td>
<td>81</td>
<td>140</td>
<td>140</td>
</tr>
<tr>
<td>Dimensions RG (L/W/H)</td>
<td>16 / 22 / 20</td>
<td>19 / 24 / 22</td>
<td>21 / 25 / 24</td>
</tr>
</tbody>
</table>

Order Number

- With filter bag
  - RG-100: 04.011
  - RG-200: 04.021
  - RG-300: 04.031

- With cartridge filter
  - RG-100: 04.111
  - RG-200: 04.121
  - RG-300: 04.131

Wall mount bracket

- With filter bag
  - RG-100: 08.011
  - RG-200: 08.021
  - RG-300: 08.021

- With cartridge filter
  - RG-100: 08.111
  - RG-200: 08.121
  - RG-300: 08.121

Features

Application Range:
- Extraction of individual and multiple workstations in industrial and skilled trade applications

Special Features:
- AC current for RG 100 and RG 200 (optional special order models)

- 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

All extraction units are supplied with an extraction hose of 10 ft. length
**Your Benefits at a Glance**

**STYROSOG**

- Easy handling
- Cost efficient through reuse of the Styrofoam packaging chips

**Product Description**

The STYROSOG was developed specifically for the extraction of Styrofoam chips from packages and has proven itself in this application for many years. The extracted Styrofoam chips are collected into a plastic bag for reuse.

**Chip-Separator**

The chip pre-separator is an add on equipment for the STYROSOG, which is used to separate small parts that are mixed in with the Styrofoam packing chips.

**Technical Data**

<table>
<thead>
<tr>
<th>STYROSOG</th>
<th>1000</th>
<th>2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>589</td>
<td>1177</td>
</tr>
<tr>
<td>Intake diameter in</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>Voltage V</td>
<td>230 *</td>
<td>230 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>0.7</td>
<td>2</td>
</tr>
<tr>
<td>Dimensions RG (L/W/H) in</td>
<td>16 / 22 / 20</td>
<td>16 / 24 / 22</td>
</tr>
</tbody>
</table>

**Order Number**

- With extraction hose 8 ft (2.5 m), extraction pipe and extraction nozzle made of plastic: 03.011
- With extraction hose 10 ft (3 m), extraction pipe and extraction nozzle made of metal: 03.021

* 110 – 120 V, 50 – 60 Hz, 1 ph

**Features**

**Application Range:**
- Warehouse and packaging areas

**Special Features:**
- Developed specifically for Styrofoam packaging chips

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**Chip-Separator**

The chip pre-separator is an add on equipment for the STYROSOG, which is used to separate small parts that are mixed in with the Styrofoam packing chips.
# Extraction Fans

**Your Benefits at a Glance**

## Accessories & Attachments

- Best Quality
- Solid workmanship
- Tight fit with ESTA products

### Product Description

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muffler flexible</td>
<td>30.000.702</td>
</tr>
<tr>
<td></td>
<td>30.000.703</td>
</tr>
<tr>
<td></td>
<td>30.000.704</td>
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<tr>
<td></td>
<td>30.000.705</td>
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<tr>
<td></td>
<td>30.000.706</td>
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<tr>
<td></td>
<td>30.000.707</td>
</tr>
<tr>
<td></td>
<td>30.000.708</td>
</tr>
<tr>
<td></td>
<td>30.000.709</td>
</tr>
<tr>
<td>Clamping ring for filter bag</td>
<td>90.211</td>
</tr>
<tr>
<td></td>
<td>90.221</td>
</tr>
<tr>
<td></td>
<td>90.231</td>
</tr>
<tr>
<td>Quick clamping device for filter bag</td>
<td>90.411</td>
</tr>
<tr>
<td>for cartridge filter</td>
<td>90.412</td>
</tr>
<tr>
<td>for filter bag</td>
<td>90.421</td>
</tr>
<tr>
<td>for cartridge filter</td>
<td>90.431</td>
</tr>
<tr>
<td>Filter bag</td>
<td>90.017</td>
</tr>
<tr>
<td>paper filter bag to be inserted in the fabric filter bag</td>
<td>90.311</td>
</tr>
<tr>
<td>fabric filter bag</td>
<td>90.321</td>
</tr>
<tr>
<td>Collection bag made of plastic (1 Set = 10 pieces)</td>
<td>90.116</td>
</tr>
<tr>
<td></td>
<td>90.117</td>
</tr>
<tr>
<td>Filling funnel with spring loaded door for exact dosing of the desired filling quantity</td>
<td>90.301</td>
</tr>
<tr>
<td>Rubber band for secure attachment of the collection bag to the funnel</td>
<td>91.303</td>
</tr>
<tr>
<td>Bag hanging bracket grips the folds on the side of the bag</td>
<td>91.305</td>
</tr>
<tr>
<td>Pulley with rope for filtering small parts</td>
<td>91.307</td>
</tr>
<tr>
<td>Chip pre-separator for STYROSOG 1000 for filtering small parts</td>
<td>91.302</td>
</tr>
</tbody>
</table>
Extraction Arms

Effective and Targeted Source Capture of Dust and Fumes

With oval hood
With square hood
Ball-joint extraction arms
Jointed extraction arms

Application Range

Construction Industry
Chemical Industry
Printing Industry
Flocking Industry
Janitorial Cleaning Services
Warehouses
Work Shops of Skilled Trades
Automotive Repair Shops
Machine Building Industry
Natural and Man Made
Stone Processing (Stone Masons)
Paper Industry
Joinery and Carpentry Shops
Textile Industry
Transportation Businesses
Extraction Arms

ESTA Extraction Arms –
Introduction

Introduction

ESTA extraction arms are the ideal complement for all extraction equipment. Optimal performance of the extraction equipment or a central extraction system is directly related to the use of suitable extraction arms. The large selection, highly versatile use and easy handling of ESTA extraction arms facilitates the ideal combination for any application. The high quality workmanship ensures a long service life of ESTA extraction arms.

For capturing fumes and dust in laboratory environments and with soldering work ESTA extraction arms are the right solution. ESTA also offers a wide range of suitable extraction hoods.
With Oval Hood

- Large selection of diameters and sizes
- High flexibility
- Easy handling
- Targeted extraction

### Product Description

ESTA extraction arms can be adjusted easily in any position – Position adjustments can be performed quickly. The support structure located on the outside of the extraction arms ensures unobstructed maximum airflow.

### Features

**Application Range:**
- Extraction of individual and multiple workstations in industrial and skilled trade applications

**Special Features:**
- Exterior support structure
- Gas springs for easy adjustment
- Unobstructed air flow inside the extraction arm
- Optional reducer and gate valves available for regulating the airflow
- Optional installation of lighting

### Mounting Possibilities

A  wall-mount console (standard model)
B  Standpipe (for positioning in a suitable holding device at a machine or at the extraction equipment)
C  Floor standpipe (additional charge)

### Technical Data

<table>
<thead>
<tr>
<th>Extraction arm/oval hood</th>
<th>Ø 2 in (50 mm)</th>
<th>Ø 2.8 in (70 mm)</th>
<th>Ø 3 in (80 mm)</th>
<th>Ø 4 in (100 mm)</th>
<th>Ø 5 in (125 mm)</th>
<th>Ø 5.5 in (140 mm)</th>
<th>Ø 6 in (150 mm)</th>
<th>Ø 6.3 in (160 mm)</th>
<th>Ø 7 in (180 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length: 5 ft (1,500 mm)</td>
<td>50.152</td>
<td>70.152</td>
<td>80.152</td>
<td>10.152</td>
<td>12.152</td>
<td>14.152</td>
<td>15.152</td>
<td>16.152</td>
<td>18.152</td>
</tr>
<tr>
<td>Length: 10 ft (3,000 mm)</td>
<td>50.302</td>
<td>70.302</td>
<td>80.302</td>
<td>10.302</td>
<td>12.302</td>
<td>14.302</td>
<td>15.302</td>
<td>16.302</td>
<td>18.302</td>
</tr>
<tr>
<td>Length: 13 ft (4,000 mm)*</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>10.402</td>
<td>12.402</td>
<td>14.402</td>
<td>15.402</td>
<td>16.402</td>
<td>18.402</td>
</tr>
<tr>
<td>Length: 19.5 ft (6,000 mm)**</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>10.602</td>
<td>12.602</td>
<td>14.602</td>
<td>15.602</td>
<td>16.602</td>
<td>18.602</td>
</tr>
</tbody>
</table>

* incl. 6.5 ft (2 m) extension boom, ** incl. 10 ft (3 m) extension boom
Extraction Arms

Your Benefits at a Glance

With Square Hood

- Large capturing area
- Easy handling
- High Flexibility

Product Description

ESTA extraction arms can easily be adjusted to any position – Position adjustments can be performed quickly.
The square hood design is ideally suited for capturing fumes and fine dust from large areas.

Features

Application Range:
- Extraction of individual and multiple workstations in industrial and skilled trade applications

Special Features:
- Exterior support structure
- Gas springs for easy adjustment
- Unobstructed air flow inside the extraction arm
- Optional reducer and gate valves available for regulating the airflow

Technical Data

<table>
<thead>
<tr>
<th>Extraction arm/square hood</th>
<th>Ø 4 in</th>
<th>Ø 5 in</th>
<th>Ø 5.5 in</th>
<th>Ø 6 in</th>
<th>Ø 6.3 in</th>
<th>Ø 7 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hood: 20 x 20 in (500 x 500 mm)</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Hood: 24 x 24 in (600 x 600 mm)</td>
<td></td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Order Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length: 6.5 ft (2,000 mm)</td>
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<td>12.203</td>
<td>14.203</td>
<td>15.203</td>
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<td>18.203</td>
</tr>
<tr>
<td>Length: 10 ft (3,000 mm)</td>
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<td>12.303</td>
<td>14.303</td>
<td>15.303</td>
<td>16.303</td>
<td>18.303</td>
</tr>
<tr>
<td>Length: 13 ft (4,000 mm) *</td>
<td>10.403</td>
<td>12.403</td>
<td>14.403</td>
<td>15.403</td>
<td>16.403</td>
<td>18.403</td>
</tr>
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<td>14.503</td>
<td>15.503</td>
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<td>18.503</td>
</tr>
<tr>
<td>Length: 19.5 ft (6,000 mm) **</td>
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<td>12.603</td>
<td>14.603</td>
<td>15.603</td>
<td>16.603</td>
<td>18.603</td>
</tr>
</tbody>
</table>

* incl. 6.5 ft (2 m) extension boom, ** incl. 10 ft (3 m) extension boom
Ball-Joint Extraction Arm

- For ceiling and wall mounting
- Easy handling
- Can accommodate large work areas

The ball-joint extraction arm is especially helpful when a large working area is required. The arm can be mounted at the ceiling as well as on the wall.

**Product Description**

Application Range:
- Extraction of individual and multiple workstations in industrial and skilled trade applications

Special Features:
- Swivel range:
  - ceiling mounted unit 360°
  - wall mounted unit 180°
- Exterior support structure
- Gas springs for easy adjustment
- Unobstructed air flow inside the extraction arm
- Optional reducer and gate valves available for regulating the airflow
- Optional installation of lighting

**Technical Data**

<table>
<thead>
<tr>
<th>Ball-joint extraction arm with oval hood</th>
<th>Ø 3 in (80 mm)</th>
<th>Ø 4 in (100 mm)</th>
<th>Ø 5 in (125 mm)</th>
<th>Ø 5.5 in (140 mm)</th>
<th>Ø 6 in (150 mm)</th>
<th>Ø 6.3 (160 mm)</th>
<th>Ø 7 in (180 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length: 6.5 ft (2,000 mm)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length: 10 ft (3,000 mm)</td>
<td>80.302D</td>
<td>10.302D</td>
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<td>18.302D</td>
</tr>
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<td>Length: 13 ft (4,000 mm)</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ball-joint extraction arm with square hood</th>
<th>Ø 3 in (80 mm)</th>
<th>Ø 4 in (100 mm)</th>
<th>Ø 5 in (125 mm)</th>
<th>Ø 5.5 in (140 mm)</th>
<th>Ø 6 in (150 mm)</th>
<th>Ø 6.3 (160 mm)</th>
<th>Ø 7 in (180 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Number</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length: 6.5 ft (2,000 mm)</td>
<td>-</td>
<td>10.203D</td>
<td>12.203D</td>
<td>14.203D</td>
<td>15.203D</td>
<td>16.203D</td>
<td>18.203D</td>
</tr>
<tr>
<td>Length: 10 ft (3,000 mm)</td>
<td>-</td>
<td>10.303D</td>
<td>12.303D</td>
<td>14.303D</td>
<td>15.303D</td>
<td>16.303D</td>
<td>18.303D</td>
</tr>
<tr>
<td>Length: 13 ft (4,000 mm)</td>
<td>-</td>
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<td>12.403D</td>
<td>14.403D</td>
<td>15.403D</td>
<td>16.403D</td>
<td>18.403D</td>
</tr>
</tbody>
</table>
Extraction Arms

Your Benefits at a Glance

Jointed Extraction Arm model 50 D

- Space saving
- Extraction hood for any application
- Easy handling

Product Description

These lightweight articulated extraction arms type 50 D are suitable for capturing fine particles or soldering fumes and can be adjusted quickly in any direction. An infinitely adjustable airflow control valve can adjust the airflow as needed.

Technical Data

<table>
<thead>
<tr>
<th>Jointed extraction arm incl. table mounting fixture</th>
<th>50 D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total extension in</td>
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<tr>
<td>Order Number</td>
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</tbody>
</table>

Features

Application Range:
- Extraction of individual and multiple workstations in industrial and skilled trade applications

Special Features:
- Airflow control valve
- Wall mounting, table mounting or clamping fixture
- Ceiling mounting is possible with a special bracket
- Choice of six different types of extraction hoods
- Optional integrated lighting

Articulated extraction arm 50 D

Soldering fume extraction with jointed arm 50 D

Airflow valve to regulate the extraction volume

Extraction hood with round orifice and integrated lighting
Central Extraction Systems

Central Extraction Systems Tailored to Your Application

Side Channel Blowers
High and Medium Pressure Fans
Rotary Piston Blowers
Filter Cyclones
Modular Filter Systems

Application Range

Agricultural Processing
File Shredding
Automotive Supplier Industry
Construction Industry
Printing Industry
Electronics Industry
Vehicle and Auto Body Plants
Precision Mechanical Industry
Aircraft Industry
Research and Development
Automotive Repair Shops
Plastics Processing Plants
Food Processing Industry
Machine Building Industry
Metalworking Industry
Engine Manufacturing Plants
Mills
Paper Industry
Pharmaceutical Industry
Recycling and Waste
Processing Facilities
Ship Building Industry
Shoe Manufacturing Plants
Welding Facilities
Vacuum Systems
Tobacco Companies

Dust Collection, Extraction, Cleaning
Central Extraction Systems

ESTA
Extraction Systems – Introduction

Introduction

Central extraction systems can extract dust simultaneously from multiple machines through a suitable pipe system. Whether you need to extract coarse or fine dust, wet or dry, vapours or smoke - ESTA extraction systems can be adapted to the requirements of each specific application.

The modular design of ESTA central dust extraction systems makes it possible to offer systems that are customized to your specific application. Our sales engineers will configure a complete system including a suitable pipe system, filtration unit and a central vacuum generator.

- Very high efficiency
- Quiet operation through sound insulation and if necessary special sound dampening enclosures
- Wear resistant and maintenance free design
- Low operating costs through cleanable long life filters and high energy efficiency of the systems

- Complete service from design through installation to start-up operation and maintenance

1 Central Vacuum Producer
   Side channel blowers, fans, rotary piston blowers, high and medium pressure fans

2 Filtration Unit
   Cyclone, Modular filtration units

3 Electric Control Unit

4 Pipe System
   Flapper valves (4a)

5 Extraction Devices
   Extraction hoods, extraction arms and nozzles

Central Vacuum Producer

Schematic Illustration

Dust Collection, Extraction, Cleaning
Side Channel Blowers

- High negative pressure
- Quiet operation through sound insulation and suitable positioning
- Wear and maintenance free design
- Low operating costs through high energy efficiency

Technical Data

<table>
<thead>
<tr>
<th>Side channel blowers</th>
<th>TDS-13</th>
<th>TDS-18,5</th>
<th>TDS-22</th>
<th>TDP-11</th>
<th>TDP-18,5</th>
<th>TDP-22</th>
<th>TDP-26</th>
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<tbody>
<tr>
<td>Max. airflow</td>
<td>671</td>
<td>671</td>
<td>671</td>
<td>465</td>
<td>1236</td>
<td>1236</td>
<td>1236</td>
</tr>
<tr>
<td>Intake diameter</td>
<td>6</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Max. negative pressure</td>
<td>in</td>
<td>94</td>
<td>163</td>
<td>163</td>
<td>94</td>
<td>108</td>
<td>126</td>
</tr>
<tr>
<td>Voltage</td>
<td>V</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor hp</td>
<td>18</td>
<td>25</td>
<td>30</td>
<td>15</td>
<td>25</td>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>Motor speed 1/min</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
</tr>
<tr>
<td>Order Number</td>
<td>301.101</td>
<td>301.103</td>
<td>301.105</td>
<td>301.100</td>
<td>301.102</td>
<td>301.104</td>
<td>301.106</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

Please inquire with us about additional units
Central Extraction Systems

Your Benefits at a Glance

High and Medium Pressure Fans

- Constant high airflow volume
- Quiet operation through sound insulation and remote positioning
- Industrial strength and maintenance free design
- Low operating costs through high energy efficiency

Product Description

ESTA extraction fans combine high negative pressure with high airflow volume. This ensures a stable characteristic curve of the system and results in consistently powerful extraction performance even under varying operating conditions.

Application Range:
- Extraction from multiple workstations in industrial manufacturing and processing
- Air intake and exhaust air fans e.g. for cooling
- Central welding fume extraction

Technical Data

<table>
<thead>
<tr>
<th>High and medium pressure fan</th>
<th>MDV-7.5</th>
<th>MDV-15</th>
<th>HDV-11</th>
<th>HDV-18.5</th>
<th>HDV-22</th>
<th>HDV-30</th>
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</thead>
<tbody>
<tr>
<td>Max. airflow cfm</td>
<td>2001</td>
<td>3943</td>
<td>1177</td>
<td>1766</td>
<td>2237</td>
<td>3531</td>
</tr>
<tr>
<td>Intake diameter mm *) in</td>
<td>11</td>
<td>14</td>
<td>10</td>
<td>10</td>
<td>11</td>
<td>14</td>
</tr>
<tr>
<td>Max. negative pressure in of water</td>
<td>18</td>
<td>18</td>
<td>33</td>
<td>41</td>
<td>42</td>
<td>41</td>
</tr>
<tr>
<td>Voltage V</td>
<td>400 **</td>
<td>400 **</td>
<td>400 **</td>
<td>400 **</td>
<td>400 **</td>
<td>400 **</td>
</tr>
<tr>
<td>Motor hp</td>
<td>10</td>
<td>20</td>
<td>15</td>
<td>25</td>
<td>30</td>
<td>41</td>
</tr>
<tr>
<td>Motor speed 1/min</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
<td>3.000</td>
</tr>
<tr>
<td>Dimensions (B/W/T) in</td>
<td>52 / 66 / 63</td>
<td>52 / 66 / 63</td>
<td>52 / 66 / 63</td>
<td>52 / 66 / 63</td>
<td>52 / 66 / 63</td>
<td>52 / 66 / 63</td>
</tr>
<tr>
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<td>301.002</td>
<td>301.003</td>
<td>301.004</td>
<td>301.005</td>
</tr>
</tbody>
</table>

*) Depending on the type of application
***) 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph

Please inquire with us about additional units.
Rotary Piston Blowers • Extremely constant negative pressure
• Quiet operation through sound insulation and remote positioning
• Industrial strength and maintenance free design
• Low operating costs through high energy efficiency

Product Description
Rotary piston blowers operate extremely quietly. They have an extremely constant characteristic curve, which makes it possible to connect far reaching pipe systems and many extraction locations.

Technical Data

<table>
<thead>
<tr>
<th>Rotary piston blowers</th>
<th>DKG-11</th>
<th>DKG-15</th>
<th>DKG-37</th>
<th>DKG-75</th>
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<tbody>
<tr>
<td>Max. airflow (cfm)</td>
<td>300</td>
<td>494</td>
<td>1095</td>
<td>2189</td>
</tr>
<tr>
<td>Intake diameter (in)</td>
<td>3</td>
<td>4</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Max. negative pressure (in of water)</td>
<td>161</td>
<td>161</td>
<td>161</td>
<td>161</td>
</tr>
<tr>
<td>Motor (V)</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td>Motor (hp)</td>
<td>15</td>
<td>20</td>
<td>50</td>
<td>102</td>
</tr>
<tr>
<td>Motor speed (1/min)</td>
<td>2.915</td>
<td>2.925</td>
<td>2.945</td>
<td>2.970</td>
</tr>
<tr>
<td>Dimensions (B/W/T) (in)</td>
<td>48 / 51 / 47</td>
<td>48 / 51 / 47</td>
<td>65 / 72 / 63</td>
<td>83 / 92 / 69</td>
</tr>
<tr>
<td>Weight (lb)</td>
<td>1210</td>
<td>1320</td>
<td>2596</td>
<td>5500</td>
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<tr>
<td>Order Number</td>
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<td>302.102</td>
<td>302.103</td>
<td>302.104</td>
</tr>
</tbody>
</table>

* 220 – 280 V, 380 – 480 V, 50 – 60 Hz, 3 ph
Please inquire with us about additional units

Application Range:
- Extraction at multiple workstations in industrial manufacturing and processing
- Applications where constant negative pressure is required

Your Benefits at a Glance

- Dust Collection, Extraction, Cleaning
Central Extraction Systems

Your Benefits at a Glance

Cyclonic Filtration Units

- The dual filter system is suitable for coarse and fine dust
- Quiet operation through sound insulation and remote positioning
- Industrial duty and maintenance free design
- Low operating costs through cleanable filters and high energy efficiency
- Suitable for applications requiring high negative pressure

Product Description

ESTA cyclonic filters, which have a tripod base, separate coarse and fine dust through centrifugal force. Cartridge filters trap the remaining fine dust with a filtration efficiency of more than 99.8%. With the addition of a programmable control unit cleaning of the filters can be performed during operation of the system.

Features

Application Range:
- Extraction from multiple workstations in industrial manufacturing and processing

Special Features:
- Compact design
- Can accommodate large quantities of dust
- Resistant to extreme negative pressure

Technical Data

<table>
<thead>
<tr>
<th>Cyclonic filtration unit</th>
<th>FZ-1003</th>
<th>FZ-1503</th>
<th>FZ-3003</th>
<th>FZ-5003</th>
<th>FZ-7003</th>
<th>FZ-11003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartridge filter (Ø/L)</td>
<td>6 / 26</td>
<td>6 / 39</td>
<td>13 / 24</td>
<td>13 / 39</td>
<td>13 / 24</td>
<td>13 / 39</td>
</tr>
<tr>
<td>Intake diameter *)</td>
<td>6</td>
<td>6</td>
<td>14</td>
<td>14</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Number of cartridges</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Filter surface per cartridge sq ft</td>
<td>27</td>
<td>39</td>
<td>108</td>
<td>180</td>
<td>108</td>
<td>180</td>
</tr>
<tr>
<td>Total filter area sq ft</td>
<td>108</td>
<td>155</td>
<td>323</td>
<td>538</td>
<td>753</td>
<td>1259</td>
</tr>
<tr>
<td>Dust collection container gal</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Dimensions (Ø/H)</td>
<td>24 / 88</td>
<td>24 / 102</td>
<td>69 / 118</td>
<td>69 / 132</td>
<td>107 / 144</td>
<td>107 / 159</td>
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<td>Diameter in</td>
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<td>27</td>
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<td>300.031</td>
<td>300.032</td>
<td>300.033</td>
<td>300.034</td>
<td>300.035</td>
</tr>
</tbody>
</table>

*) Depending on the type of application

Please inquire with us about additional units
Modular Extractors
DUSTEX

您的利益概览

- 模块化设计（可扩展以适应您生产规模的扩大）
- 能适应“您的”特定类型的灰尘
- 客户特定的系统配置
- 低运行成本

产品描述

DUSTEX系列的模块化集尘器可以根据您公司对单个要求的个体化适应。我们的基本系统包括四种不同的型号系列，每种型号系列可以适用于不同类型的工业制造和加工。您的利益概览（见第94页）。

应用范围：
- 从多个工作站的工业制造和加工中提取

特殊功能：
- 提取材料的分离
- 高效的过滤器清洁过程
- 紧凑的设计
- 模块化设计使其能够适应特定的应用
- 定制的系统布局以满足个别客户的要求
- 特殊的设计功能允许使用预分离原理

技术数据

<table>
<thead>
<tr>
<th>DUSTEX P (Powder) with cartridge filters</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUSTEX S with tubular bag filters</td>
<td>33</td>
</tr>
<tr>
<td>DUSTEX F (Fumes) with cartridge filters</td>
<td>64</td>
</tr>
<tr>
<td>DUSTEX X for custom configurations</td>
<td>92</td>
</tr>
</tbody>
</table>

过滤系统

- 数据根据应用类型给出
Central Extraction Systems

Your Benefits at a Glance

Custom Configurations
DUSTEX X

- Modular design (expandable as your production expands)
- Adaptable to “Your” particular type of dust
- Customer specific system configuration

Product Description

The possibility of custom configurations (several of the DUSTEX filtration units in series) ensures optimal system configurations. The fan unit for the system will be set up in a separate housing.

Example of a system
DUSTEX XF-432

Central extraction system for ten welding stations and two robots consisting of three DUSTEX modules, extraction fan unit and sound dampening muffler.

- Operating Point: 12,949 Bcfm
- Filter Surface: 4,650 ft²
- Output: 61 Hp

Dust Removal

Collection and removal of the extracted dust – with three different methods depending on your application. For additional collection and removal options please inquire with us.
Your Benefits at a Glance

DUSTEX – Modules

- Custom system design
- Suitable for any application
- Complete handling of the project through ESTA - from the consulting and design phase through start up operation

Central Extraction Systems

The modular design of the ESTA DUSTEX model series makes it possible to adapt these central extraction systems to the individual applications and conditions at the customer’s production facilities. This guarantees that our customers receive the most suitable extraction system for their particular situation. On pages 93 through 96 you will find a selection of possible system combinations. Our sales engineers are always available for a personal consultation at your company to determine the best possible configuration of your extraction system.

Extraction Fans

Generally there are two types of extraction fans – high and medium pressure fans. Medium pressure fans are characterized by high airflow volumes to ensure the most complete extraction of the dust or fumes to be captured. High pressure fans produce high air velocity to capture dust or fumes at the source. Fans with an output of up to 20 Hp are usually mounted on the filtration unit. Larger fans will be positioned as stand alone units next to the filtration units (see Page 88).

Filtration Unit

The filtration unit(s) is (are) the “heart” of the central extraction system. Depending on the type of dust, quantity of dust and its composition the filtration units will be equipped with different types of filters. During and after operation the filters will automatically be cleaned with a pulse-jet cleaning system. The geometry of the filter housing is a key factor for a long filter life and for effective filter cleaning. It ensures the ventilation technologically correct airflow conditions inside the filter housing.

Dust Removal

There are several methods available to collect the material that has been filtered out. In most cases the dust will be collected in a drum that is positioned at the tapered bottom of the filtration units. For this purpose we have drums of 14, 28 or 55 gallon capacity available. Other methods are rotary valves for continuous removal, high capacity containers, shuttle valves or pinch valves.
Central Extraction Systems

Modular Filtration Unit
DUSTEX

Tubular Bag Filters

Tubular bag filters are used for dust types, which due to their temperature, humidity and hygroscopic characteristics have the tendency to clog the filter media.

The tubular bag filters used by ESTA can be adapted in their design (materials and special coating) to the specific conditions of different applications. The table illustrates the possible combinations of the individual modules of a tubular bag filter system DUSTEX S.

Cartridge Filters

Cartridge filters have a very large filter surface with a very compact space requirement. Therefore they are particularly well suited for the extraction of dry, pourable types of dust and the extraction of fumes from applications such as welding, laser cutting or plasma cutting. The cartridge filters utilized by company ESTA can be adapted to specific applications with the use of different materials, geometries and coatings.

New: Filter cartridges with pleat corrugation for a very long filter life even under high load and continuous duty applications.

Possible Combinations

The red illustrated fan models can be mounted flat on their side on the associated filter units.

The green shaded field shows the possible combinations of the dust removal options.

For the technical data of the components please see the data sheet of the individual modules on page 96.

The violet field shows the available filtration units with the number of filters per filtration unit.

This illustration merely clarifies the principle of the modular system design and the possible combinations. There are of course many more possibilities of system configurations.

Our sales engineers will be happy to make recommendations. Give us a call:
Phone: 1-800-968-3782

Dust Collection, Extraction, Cleaning
Modular Extraction & Filtration Unit DUSTEX

Tubular Bag Filters

- RG-300
- RG-400
- RG-500
- RG-600/700
- RG-800

- 13 filter bags
- Type: S-5
- Dust container 14 gal
- Standard (for all filtration units)

- 20 filter bags
- Type: S-10
- Dust container 28 gal
- Options (for all filtration units)

- 32 filter bags
- Type: S-17

- 48 filter bags
- Type: S-25 / S-33

- 14 gal
- Rotary valve
- Agitator
- Shuttle valve
- Discharge gate
- Discharge junction
- Pinch valve

Cartridge Filters

- RG-300
- RG-400
- RG-500
- RG-600/700
- RG-800
- RG-1200
- RG-1500

- 2 Cartridges
- Type: Standard/PC*
- P-20, F-32, F-42

- 4 Cartridges
- Type: Standard/PC*
- P-40, F-64, F-84

- 6 Cartridges
- Type: Standard/PC*
- P-60, F-96, F-126

- 9 Cartridges
- Type: Standard/PC*
- P-90, F-144, F-189

- Dust container 14 gal
- Dust container 28 gal
- Dust container 55 gal

- Standard (for all filtration units)

- Options (for all filtration units)

* pleat corrugation
Central Extraction Systems

Modular Extraction & Filtration Unit DUSTEX

The following table describes the technical data of the individual modules that can be combined in a central ESTA extraction and filtration system. The possible combinations can be found on pages 94 and 95.

Other combinations for central extraction systems of other designs with higher airflow volumes or larger filter areas are possible as well.

<table>
<thead>
<tr>
<th>Individual Modules</th>
<th>Fan</th>
<th>Tubular Bag Filters</th>
<th>Cartridge Filter (Powder)</th>
<th>Cartridge Filter (Fume)</th>
<th>Cartridge Filter (PC*)</th>
<th>Collection Container</th>
<th>Control Cabinet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Voltage V</td>
<td>RG-300</td>
<td>RG-400</td>
<td>RG-500</td>
<td>RG-600</td>
<td>RG-700</td>
<td>RG-800</td>
</tr>
<tr>
<td></td>
<td>Motor hp</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
<td>400 *</td>
</tr>
<tr>
<td></td>
<td>Max. airflow cfm</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>7</td>
<td>7</td>
<td>10</td>
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<tr>
<td></td>
<td>Max. negative pressure in of water</td>
<td>1530</td>
<td>2060</td>
<td>2649</td>
<td>3178</td>
<td>4591</td>
<td>5709</td>
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<tr>
<td></td>
<td>Exhaust air outlet Ø in</td>
<td>11</td>
<td>12</td>
<td>14</td>
<td>16</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>Order Number</td>
<td>30002054</td>
<td>30001348</td>
<td>30001195</td>
<td>30000028</td>
<td>30001256</td>
<td>30001316</td>
<td>3000128</td>
</tr>
<tr>
<td></td>
<td>Tubular Bag Filters</td>
<td>Intake connection Ø in</td>
<td>54</td>
<td>108</td>
<td>183</td>
<td>269</td>
<td>355</td>
</tr>
<tr>
<td></td>
<td>Number of filter bags</td>
<td>13</td>
<td>20</td>
<td>32</td>
<td>48</td>
<td>48</td>
<td>96</td>
</tr>
<tr>
<td></td>
<td>Filter surface sq ft</td>
<td>8</td>
<td>10</td>
<td>13</td>
<td>13</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Order Number</td>
<td>66700510</td>
<td>66701010</td>
<td>66701710</td>
<td>66702510</td>
<td>66703310</td>
<td>66705010</td>
<td>66706610</td>
</tr>
<tr>
<td></td>
<td>Cartridge Filter (Powder)</td>
<td>Intake connection Ø in</td>
<td>11</td>
<td>14</td>
<td>14</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Number of cartridges</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>9</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Filter surface sq ft</td>
<td>215</td>
<td>431</td>
<td>646</td>
<td>861</td>
<td>969</td>
<td>1292</td>
</tr>
<tr>
<td>Order Number</td>
<td>66402010</td>
<td>66404010</td>
<td>66406010</td>
<td>66408010</td>
<td>66409010</td>
<td>66412010</td>
<td>66418010</td>
</tr>
<tr>
<td></td>
<td>Cartridge Filter (Fume)</td>
<td>Intake connection Ø in</td>
<td>11</td>
<td>14</td>
<td>14</td>
<td>2 x 14</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Number of cartridges</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Filter surface sq ft</td>
<td>344</td>
<td>452</td>
<td>689</td>
<td>904</td>
<td>1033</td>
<td>1356</td>
</tr>
<tr>
<td>Order Number</td>
<td>66503210</td>
<td>66604210</td>
<td>66506410</td>
<td>66608410</td>
<td>66509610</td>
<td>66612610</td>
<td>66614410</td>
</tr>
<tr>
<td></td>
<td>Cartridge Filter (PC*)</td>
<td>Intake connection Ø in</td>
<td>2 x 8</td>
<td>18</td>
<td>2 x 14</td>
<td>2 x 14</td>
<td>2 x 18</td>
</tr>
<tr>
<td></td>
<td>Number of cartridges</td>
<td>8</td>
<td>18</td>
<td>12</td>
<td>12</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Filter surface sq ft</td>
<td>1808</td>
<td>2034</td>
<td>2067</td>
<td>2713</td>
<td>3100</td>
<td>4069</td>
</tr>
<tr>
<td>Order Number</td>
<td>66616810</td>
<td>66618910</td>
<td>66519210</td>
<td>66625210</td>
<td>66628810</td>
<td>66637810</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Collection Container</td>
<td>Content gal</td>
<td>50</td>
<td>100</td>
<td>200</td>
<td>14</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Control Cabinet</td>
<td>Output KW</td>
<td>3.0-4.0</td>
<td>5.5-7.5</td>
<td>11-15</td>
<td>3.0-4.0</td>
<td>5.5-7.5</td>
</tr>
<tr>
<td>Order Number</td>
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<td>302310</td>
<td>302510</td>
<td>302210</td>
<td>302410</td>
<td>302610</td>
<td></td>
</tr>
</tbody>
</table>

* pleat corrugation

Order number for filter unit with 28 gallon collection container. For other combinations please inquire with us.

For other system control units please inquire with us.
Extraction Hoods

- Hoods designed for different applications and tasks
- Custom designed and manufactured hoods
- Wear resistant and low maintenance designs

Extraction hood with compressed air injection
Extraction at a robotic workstation

Product Description

It is obvious: The best dust extractor is useless if the dust particles “fly by”. Only complete capture of the dust ensures optimal conditions. We can custom design and manufacture extraction hoods that will not let anything escape.

Application Range:
- Extraction from multiple workstations in industrial manufacturing and processing

Special Features:
- Individual calculation of the extraction hoods according to ventilation technologically optimised principles
- Recommended for the best possible extraction of dust and fumes

Features

Additional Application Examples

- Slotted extraction hoods in the automotive industry
- Extraction wall with perforated metal insert
- Large surface extraction hood in the concrete industry
- Oval hood in the cosmetic industry
- Specialized hood 47 x 12 in
- Extraction of aluminium chips

Your Benefits at a Glance

Central Extraction Systems
Central Extraction Systems

Central extraction system for vacuuming vehicle interiors at carwashes, gas stations and car dealerships

Product Description

Central vacuum systems are gaining increasing popularity for commercial use in vacuuming the interior of vehicles. Theoretically an unlimited number of vacuum stations can be set up whereby the vacuum performance remains constant. Central vacuum systems make much more efficient use of your property (number of possible vehicle vacuum stations) compared to solutions with individual vacuum systems.

Dust extraction at multiple vacuum locations

A rigid pipe installation connects the vacuum locations with the cyclonic filter

The mobile dust collection container with plastic bag insert makes disposal of the dust an easy no mess job.

Contact us for a brochure with more detailed information.
Research and Development
(Automotive Industry)

Description
Direct extraction of dust and chips in model building applications and from different machines

Features
- Daimler-Chrysler, Research Centre, Ulm
- Philip Morris, Berlin

Tobacco Industry

Description
Extraction of tobacco particles at several extraction locations and on several production levels

Features
- Philip Morris, Berlin (two separate systems)
  - 86 and 65 extraction locations (flapper valves where hoses can be plugged in) on five and three production levels
  - Simultaneous operation of up to eight extraction locations at each production level
  - Operating Point: Appr. 2,472 Bcfm at 88 in of water
  - Five rotary vane vacuum pumps DKG 25 Hp
  - Two cyclonic filters FZ-5000
  - Clean air cooling system
### References
- RIMAC, Mauer, Germany
- Progida, Istanbul, Turkey

### Concrete Plant
**Description**
Extraction of cement dust during the production of concrete

**Features**
- **RIMAC, Mauer, Germany**
  - Cyclone pre-separator with rotary valve and spout
  - Filtration unit DUSTEX XS-66
  - High pressure fan HDV 30 Hp (6,474 cfm at 17 in of water)
  - Custom designed hood
  - Pipe system
  - Water spray injector in the extraction pipe

### Food Industry
**Description**
Extraction in peanut processing and at a sorting and separating system

**Features**
- **Progida, Istanbul, Turkey**
  - Filtration unit DUSTEX XS-99
  - Medium pressure fan MDV 41 Hp (8,240 cfm at 18 in of water)
  - Cyclone filter FZ– 5003
  - High pressure fan HDV 30 Hp (1,589 cfm at 54 in of water)
  - Cyclone pre-separator ZA 213 VA with rotary valve
References

- Stegherr, Jettingen, Germany
- Allgaier Werke,
  Uhingen, Germany

## Plastics Industry

**Description**
Extraction of chips during plastics profiling

**Features**
- Stegherr, Jettingen, Germany
  - Filtration unit DUSTEX XS-17
  - Medium pressure fan MDV-5 Hp
  - Motor protection switch
  - Muffler Ø 12 - 15 in (300-900 mm)
  - Pipe system
  - Installation

Pipe system with connection for extraction hoses
Extraction system DUSTEX XS-17 with fan mounted on top

## Automotive Supplier

**Description**
Extraction of dust generated during sanding and rework of auto body parts

**Features**
- Allgaier Werke,
  Uhingen, Germany
  - DUSTEX XF-64 with discharge cone
  - Medium pressure fan MDV-10 Hp (2,001 cfm at 12 in of water)
  - Control cabinet standard
  - Extraction hood 118 x 31 x 14 in (3,000 x 800 x 350 mm)
  - Sound insulated housing, 29.5 x 16.5 x 13.5 in (9,000 x 5,000 x 4,090 mm), with sliding doors and power supply unit
  - Pipe system
  - Extraction accessories

Extraction hood inside a sanding cabinet
Filtration unit DUSTEX XF-64
**Central Extraction Systems**

**References**

- Weckerle, Peißenberg and Le Locle (Switzerland)
- Sunseeker, Rostock, Germany

**Description**

**Cosmetics Industry**

- Pigment extraction at a mixer in the production of cosmetics

**Features**

- **Weckerle, Peißenberg and Le Locle (Switzerland)**
  - Filtration unit DUSTEX XP-90
  - Medium pressure fan MDV-15 Hp
  - Control unit 15 Hp
  - Pipe system and extraction arms

![Source capture with two extraction arms](image1)

![Filtration unit with separate fan unit](image2)

**Ship Building**

- Extraction of glass fibre reinforced plastic dust, in the ship building industry

**Features**

- **Sunseeker, Rostock, Germany**
  - Cyclonic filter FZ-5003
  - Side channel blower with Housing TDP-25 Hp (1,236 cfm at 60 in of water)
  - Control cabinet Comfort
  - Pipe system with 100 flapper valves
  - Explosion protection

![Dust extraction with an application specific pipe system](image3)

![Filtration unit with explosion protection](image4)
### References

- SAF, Wörth on the Main, Germany
- Robert Bosch, Stuttgart, Germany

---

<table>
<thead>
<tr>
<th>Auto Body Production</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extraction of welding fumes and grinding dust from nine workstations and two welding robots</td>
<td>SAF, Wörth on the Main, Germany</td>
<td>Filtration unit DUSTEX-XF 432</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Medium pressure fan MDV-61 Hp (12,499 cfm at 1 in of water)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pipe system</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nine extraction arms, Total length of the pipe system: 295 ft</td>
</tr>
</tbody>
</table>

![Extraction at a robotic welding station](image1)
![Modular filtration unit](image2)

---

<table>
<thead>
<tr>
<th>Automotive Supplier</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residual dust extraction during the cleaning of the production line</td>
<td>Robert Bosch, Stuttgart, Germany</td>
<td>Cyclonic filter FZ-1003 with fill level monitoring</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Side channel blower TDP-30 Hp (1,236 cfm at 108 in of water)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Control unit Comfort</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pipe system</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vacuum accessories</td>
</tr>
</tbody>
</table>

![Control unit with monitoring lamps](image3)
![Cyclonic filter FZ-1003 with 28 gallon collection container](image4)
Central Extraction Systems

References

Additional References

- **Schwenk, Ulm, Germany**: Cement Industry
- **Braas, Altheim, Germany**: Tile Manufacturing Plant
- **Uhlmann, Laupheim, Germany**: Packaging Systems
- **Thyssen Krupp Nirosta, Düsseldorf, Germany**: Metal Production Plant
- **OWB, Kisslegg, Germany**: Metalworking Industry
- **Sofragraf, Saint Ame, France**: Metalworking Industry
- **ZI-Jena, Jena, Germany**: Metalworking Industry
- **Solidschuhwerk, Tuttlingen, Germany**: Shoe Industry
- **Wacker Siltronic, Burghausen, Germany**: Chemical and Semiconductor Industry
- **EADS Deutschland, Augsburg, Germany**: Aerospace Industry
- **Liebherr-Aerospace, Lindenber, Germany**: Aerospace Industry
- **UMP-Kymmene, Augsburg, Germany**: Paper Industry
- **Wieland Werke, Ulm, Germany**: Metalworking Industry
- **H. C. Starck, Hermesdorf, Germany**: Metalworking Industry
Pipe Systems

For optimized connection of the dust or fume source to the extraction unit

Application Range

Agricultural Businesses
File Shredding
Automotive Supplier Industry
Construction Industry
Printing Industry
Electronics Industry
Vehicle and Auto Body Plants
Precision Mechanical Industry
Aircraft Industry
Research and Development
Automotive Repair Shops
Plastics Processing Plants
Food Processing Industry
Machine Building Industry
Metalworking Industry
Engine Manufacturing Plants
Mills
Paper Industry
Pharmaceutical Industry
Recycling and Waste
Processing Facilities
Ship Building Industry
Shoe Manufacturing Plants
Welding Plants
Tobacco Industry
Pipe Systems

ESTA Pipe Systems –
Introduction

Introduction

Even the best engineered extraction system is of little use if the design of the pipe system is not optimized. We use only high quality parts and materials for our pipe systems. In addition, our engineers calculate a ventilation technologically ideal design of the pipe system to ensure the best possible extraction performance of our equipment.

This type of care and thoroughness forms the basis of the “professional dust extraction” that customers expect from company ESTA.
Pipe Systems

**Spiral Seam Pipes**

* • Extensive range of parts
  • Ventilation technologically optimized
  • Heavy duty workmanship

**Your Benefits at a Glance**

**Pipe System with Spiral Seam Pipes**

**Description**

ESTA pipe system for connection of multiple extraction locations to a central extraction system.

**Features**

**Spiral Seam Pipes**

- Galvanized sheet metal according to DIN *) standard 24145
- Standard length up to 20 ft (6 m)
- Ø 3 – 18 in (71 mm – 450 mm) in stock **)
- Sheet metal thickness from 0.01 – 0.04 in (0.4 mm to 1.2 mm) depending on pipe diameters

*) DIN = German Industry Standard
**) Larger diameters are available on short notice

---

**Pipe Systems**

Dust Collection, Extraction, Cleaning
Pipe Systems

Your Benefits at a Glance

Steel Pipes

- Extensive range of parts
- Ventilation technologically optimized
- Heavy duty workmanship

Description

ESTA pipe system for connection of multiple extraction locations to a central vacuum system.

Features

Steel Pipes

- For high vacuum extraction systems
- Quick and easy installation
- Standard length up to 20 ft (6 m)
- The following outside diameters are available from stock:
  - Ø 2 x 0.059 in (50 x 1.5 mm)
  - Ø 3 x 0.059 in (76 x 1.5 mm)
  - Ø 4 x 0.079 in (108 x 2.0 mm)
  - Ø 5 x 0.11 in (133 x 2.9 mm)
  - Ø 6 x 0.11 in (159 x 2.9 mm)

Pipe System with Steel Pipes

![Diagram of a pipe system with steel pipes]

To the extractor
Branch section
Reducer piece
Steel pipe
90° Elbow

Steel pipe
45° Elbow

Slide gate
Flapper valve

Steel pipe

C = Clamping ring

Connection piece
Vacuum hose

Flapper valve

ESTA

Dust Collection, Extraction, Cleaning

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“When it comes to Extraction think ESTA!”

ESTA and extraction, two words that have become synonymous over the past 30 years. ESTA is proving this once again with the current issue of our main catalog. In this comprehensive catalog you will find a variety of new products and a widened range of extraction equipment (see for example the two new product groups shown below). True to our guiding principles we are a partner for our customers in everything concerning extraction and filtration. We will keep our customers informed about the latest technological developments and requirements concerning the occupational health and safety requirements of a modern production facility. As always we pledge the highest level of customer service, quality consciousness and reliability to all our customers because this is our definition of “the world of extraction”. Remember: “When it comes to extraction think ESTA”

Sincerely,

Dr. Peter Kulitz

MOBEX

The new generation of very quiet mobile extractors for universal use can be positioned directly at the extraction location. Read more on page 28

Downdraft Tables for Welding Fumes and Grinding Dust

For direct connection to mobile and stationary extraction systems or with the use of an extraction fan to discharge the exhaust air outside the building, whichever you prefer. Read more on page 67

NEW!

NEW!

Test certificate W3 for welding fume filtration units

NEW!

NEW!

We are certified according to DIN EN ISO 9001

Dr. Peter Kulitz

CD ROM: ESTA Company Presentation

CD ROM: ESTA Central Extraction Systems

ESTA special catalog: Extraction for the Stone Processing Industry

ESTA special catalog: Mobile Dust Extractor DUSTOMAT K

ESTA special catalog: Welding Fume Filter SRF K-10/-15

ESTA special catalog: Central Extraction Systems

What you should also know about ESTA Extraction Technology:

Information and communication are very important to us. Please request our information materials.

By Phone: 1-616-243-2494
Toll-free: 1-800-968-3782
By Fax: 1-616-243-8495
By E-mail: info@esta-usa.com