

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:



DUSTOMAT-10 in a woodworking application



DUSTOMAT-16 M stone mason at work



Extraction with a square hood design



DUSTOMAT K connected to a circular saw



DUSTOVAC extracting at a CNC controlled machine



DUSTOMAT-41 connected to a plastics processing machine

Mobile Dust Extractors

Mobile Dust Extractors from ESTA – Introduction and Product Overview

Introduction



DUSTOMAT K, Page 12

Examples for different
types of dust:

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



DUSTOVAC, Page 11

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.



DUSTOMAT-16 M, Seite 9

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.



TÜV Fertigungsstätten-Besichtigung

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:



Mobile Dust Extractors

Your Benefits At a Glance

DUSTOMAT-10 through -16 M

- 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

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 pro-

cessing 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.



DUSTOMAT-10



DUSTOMAT-10 in a woodworking application

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.

Test Certificate:



Features:

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

Technical Data

DUSTOMAT-		10	15	16 M
Max. airflow	m ³ /h	720	720	1.140
Intake diameter	mm	100	100	125
Max. negative pressure	Pa	2.800	2.800	2.000
Voltage	V	230/400	230/400	230/400
Motor	kW	1,3/1,1*	1,3/1,1*	1,3/1,1*
Filter surface	m ²	3,5	3,5	9,4
Dust collection container	Litre	100	100	45
Dimensions (L/W/H)	mm	1.165 x 530 x 1.636	1.165 x 530 x 1.636	1.150 x 670 x 1.470
Weight	kg	65	65	110
Order Number				
Manual filter cleaning (230 V)		09.201	-	-
Pneumatic filter cleaning (230 V)		-	09.316	09.420
Manual filter cleaning (400 V)		09.215	-	-
Pneumatic filter cleaning (400 V)		-	09.317	09.421

*400V-model

Data dependent on equipment type



DUSTOMAT-15

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 100 mm
- tested for the woodworking industry as industrial vacuum with floor cleaning kit
- with test certification H2, B1, GS

Test Certificate:



DUSTOMAT-10 with accessories for floor clean up



DUSTOMAT-16 M with extraction arm

For Mineral Dust

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:



DUSTOMAT-16 M – direct extraction of fine stone dust

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

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.



DUSTOMAT-67



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

Technical Data

DUSTOMAT		21/22/23/27	41/42/43/47	61/62/63/67
Max. airflow	m ³ /h	1.060	1.330	1.850
Intake diameter	mm	125	140	160
Max. negative pressure	Pa	3.550	3.800	4.600
Voltage	V	400	400	400
Motor	kW	2,2	3	3
Filter surface	m ²	9,6	9,6	9,6
Dust collection container	Litre	200	200	200
Dimensions (L/W/H)	mm	1.830 x 782 x 2.040	1.830 x 782 x 2.040	1.830 x 782 x 2.040
Weight	kg	190	215	220
Order Number				
manual filter cleaning		09.202	09.205	09.208
motorized filter cleaning		09.203	09.206	09.209
pneumatic filter cleaning		09.204	09.207	09.210
pulse jet filter cleaning		09.222	09.223	09.224

Test Certificate:



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

Your Benefits At a Glance

High Vacuum Mobile Dust Extractor DUSTOVAC

- 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

Product Description

The DUSTOVAC is a mobile low noise extractor with very powerful vacuum performance for direct extraction of dust from handheld tools. The high negative pressure generated by the

maintenance free and quiet running side channel blower allows simultaneous extraction of dust generated by several handheld tools.

Cleanable long life cartridge filters keep the operating costs low.



DUSTOVAC



DUSTOVAC in operation

Technical Data

DUSTOVAC		5.5	7.5	13.0
Max. airflow	m ³ /h	480	850	1.100
Intake diameter	mm	70	100	125
Max. negative pressure	Pa	24.500	25.000	22.000
Voltage	V	400	400	400
Motor	kW	5,5	7,5	13,0
Filter surface	m ²	9,6	9,6	9,6
Dust collection container	Litre	230	250	305
Dimensions (L/W/H)	mm	1.830 x 782 x 2.040	1.830 x 782 x 2.040	1.830 x 782 x 2.040
Weight	kg	230	250	305
Order Number				
manual filter cleaning		83.109	83.103	83.104
pneumatic filter cleaning		83.110	83.105	83.106
pulse jet filter cleaning		83.112	83.107	83.108

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

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 optimised 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.



DUSTOMAT K



DUSTOMAT K in use

Test Certificate:



Technical Data

DUSTOMAT		K-21/22/27	K-41/42/47	K-61/62/67
Max. airflow	m ³ /h	1.060	1.330	2.100/1.500*
Intake diameter	mm	125	140	160/140*
Max. negative pressure	Pa	3.550	3.800	4.250/4.350*
Voltage	V	400	400	400
Motor	kW	2,2	3	3
Filter surface	m ²	9,6	9,6	9,6
Dust collection container	Litre	200	200	200
Dimensions (L/W/H)	mm	1.525 x 780 x 2.040	1.525 x 780 x 2.040	1.525 x 780 x 2.040
Weight	kg	190/240*	210/260*	215/265*
Order Number				
Brush cleaning mechanism:				
Motorized manually (-21/41/61)		09.325/09.326*	09.333/09.334*	09.341/09.342*
Motorized automatically (-22/42/62)		09.327/09.328*	09.335/09.336*	09.343/09.344*
Pulse jet cleaning (-27/47/67)		09.331/09.332*	09.339/09.340*	09.347/09.348*

*TÜV tested for dust classification „H“

Features

Application Range:

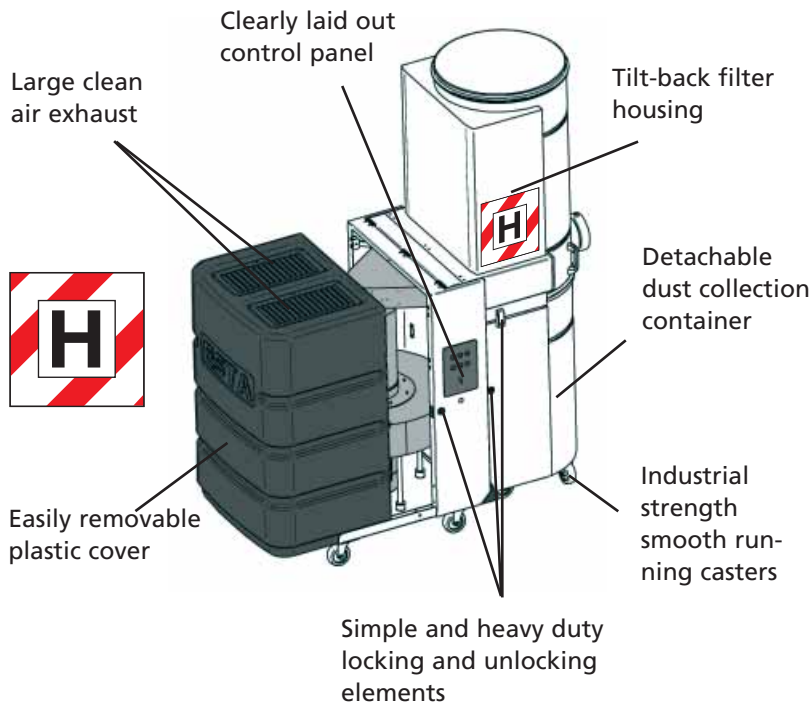
- Extraction of individual or multiple workstations or machines in industrial plants
- Pourable dust
- Dry chips

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)

Data dependent on equipment type

Equipment Characteristics



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.



Clearly laid out control panel for easy operation.



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.



Large surface clean air exhaust openings in the plastic cover reduce airflow noise and prevent draughts.

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



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



DUSTOMAT S

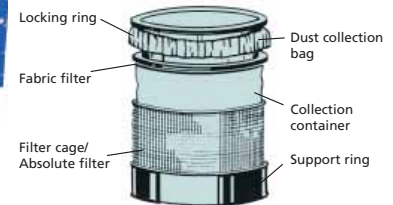
Product Description

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



DUSTOMAT 160-S in OEM-version for dust extraction on a manual flocking workstation

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 100 or 200 litres can be detached and is equipped with four casters for easy transport of the collected dust and fibres to the disposal site. A built in pressure gauge displays the pressure difference before and after the filter.



Technical Data

DUSTOMAT		100-S	120-S	140-S	160-S
Max. airflow	m ³ /h	720	1.060	1.330	1.850
Intake diameter	mm	100	125	140	160
Max. negative pressure	Pa	2.800	3.250	3.800	4.600
Voltage	V	230/400	400	400	400
Motor	kW	1,3/1,1*	2,2	3,0	3,0
Filter surface	m ²	0,75	1	1	1
Dust collection container	Litre	100	200	200	200
Dimensions (L/W/H)	mm	1.075 x 530 x 1.075	1.653 x 782 x 1.353	1.653 x 782 x 1.360	1.653 x 782 x 1.370
Weight	kg	80	180	205	215
Order Number		09.500/09.497*	09.502	09.504	09.506

* 400V-model

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

Your Benefits At a Glance

ESTA Filter Cleaning Methods

- Extended life of the filters
- Adaptation of the filter cleaning method to your specific type of dust
- Low maintenance filter system
- Perfected cleaning systems
- Suitable for intermittent or continuous duty applications

Types of Cleaning Systems

Brush Cleaning System

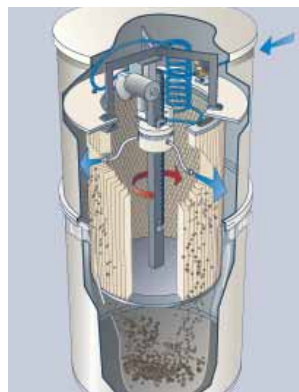
Rotating brushes tap the individual pleats of the cartridge filter. This causes the dust that has accumulated on the filter surface to detach and drop down into the collection container. The axis of the brush mechanism in the centre of the cartridge filter (on the dust laden side of the filter) can be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



ESTA Brush cleaning system

Pneumatic Cleaning System

With the pneumatic cleaning system rotating jets of compressed air move up and down on an axis in the centre 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.



ESTA Pneumatic cleaning system

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.



ESTA Pulse-jet cleaning system

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: +49 (0) 73 07/80 4-0

Mobile Dust Extractors

Your Benefits At a Glance

Accessories & Attachments

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

Product Description	Order Number	DUSTOMAT-10	DUSTOMAT-15	DUSTOMAT-16	DUSTOMAT-21/-22/-23/-27	DUSTOMAT-41/-42/-43/-47	DUSTOMAT-61/-62/-63/-67	DUSTOMAT K-21/-22/-27	DUSTOMAT K-41/-42/-47	DUSTOMAT K-61/-62/-67	DUSTOMAT 100-S	DUSTOMAT 120-S	DUSTOMAT 140-S	DUSTOMAT 160-S	DUSTOVAC 5.5 manuel	DUSTOVAC 5.5 pneumatic	DUSTOVAC 5.5 pulse-jet	DUSTOVAC 7.5 manuel	DUSTOVAC 7.5 pneumatic	DUSTOVAC 7.5 pulse-jet	DUSTOVAC 13.0 manuel	DUSTOVAC 13.0 pneumatic	DUSTOVAC 13.0 pulse-jet	
Dust Collection Bags																								
 Plastic collection bag Approximately 100 Litre capacity, (1 Set = 10 pieces)	91.015	•	•	•																				
 Plastic collection bag Approximately 200 Litre capacity, (1 Set = 10 pieces)	91.017				•	•	•	•	•	•					•	•	•	•	•	•	•	•	•	•
 Paper filter bag (1 Set = 10 pieces)	5017										•													
 Paper filter bag (1 Set = 5 pieces)	9017											•	•	•										
Control Unit																								
 External Control With floating contact installed in the unit	700002				•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
DUSTMASTER 6/3 Control unit for the dust extractor in connection with a max. of 3 shutter valves and 6 processing machines	250.002				•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
DUSTMASTER 12/7 Control unit for the dust extractor in connection with a max. of 7 shutter valves and 12 processing machines	250.001				•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
Malfunction radio transmitter	Please inquire										•	•	•											
Chip Deflectors																								
 Chip deflector, small, complete	97.012	•	•								•													
 Chip deflector, large, complete	97.011				•	•	•	•	•	•		•	•	•										
 Cone insert, small	15000092	•	•								•													
Cone insert, large	15000091				•	•	•	•	•	•		•	•	•										

Your Benefits At a Glance

Accessories & Attachments

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

Mobile Dust Extractors

Product Description

Order Number

Pre-separator

Pre-separator, 200 Litres

Incl. 1.5 m connection hose and pressure balance hose,

Connection Ø 100 mm

95.100

Connection Ø 125 mm

95.125

Connection Ø 140 mm

95.140

Connection Ø 160 mm

95.160

Water Pre-separator, 100 Litres

For applications with flying sparks, steel container with baffle plate and cover, incl. 1.5 m PU-connection hose
Connection Ø 100 mm

97.100

Water Pre-separator, 200 Litres

For applications with flying sparks, steel container with baffle plate and cover, incl. 1.5 m PU-connection hose

Connection Ø 125 mm

97.125

Connection Ø 140 mm

97.140

Connection Ø 160 mm

97.160

Cyclonic Pre-separator, 100 Litres

For use with a dust extractor, cyclone for separating light chips and dust

Connection Ø 100 mm

20821100

Connection Ø 125 mm

20821125

Connection Ø 140 mm

20821140

Connection Ø 160 mm

20821160

Extraction Arms

Extraction Arms*

Incl. 1.5 m PU- connection hose

Length: 1,5 m

101529

Length: 2 m

102029

Length: 2 m

122029

Length: 2 m

142029

Length: 2 m

162029

Length: 3 m

123029

Length: 3 m

143029

Length: 3 m

163029

	DUSTOMAT-10	DUSTOMAT-15	DUSTOMAT-16	DUSTOMAT-21/-22/-23/-27	DUSTOMAT-41/-42/-43/-47	DUSTOMAT-61/-62/-63/-67	DUSTOMAT K-21/-22/-27	DUSTOMAT K-41/-42/-47	DUSTOMAT K-61/-62/-67	DUSTOMAT 100-S	DUSTOMAT 120-S	DUSTOMAT 140-S	DUSTOMAT 160-S	DUSTOVAC 5.5 manuel	DUSTOVAC 5.5 pneumatic	DUSTOVAC 5.5 pulse-jet	DUSTOVAC 7.5 manuel	DUSTOVAC 7.5 pneumatic	DUSTOVAC 7.5 pulse-jet	DUSTOVAC 13.0 manuel	DUSTOVAC 13.0 pneumatic	DUSTOVAC 13.0 pulse-jet	
95.100	•	•								•													
95.125			•	•							•												
95.140					•			•				•											
95.160						•			•				•										
97.100	•	•								•													
97.125			•	•							•												
97.140					•			•				•											
97.160						•			•				•										
20821100	•	•								•								•	•	•			
20821125			•	•				•			•									•	•	•	
20821140					•			•				•											
20821160						•			•				•										

*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.

