

Effective and Targeted Source Capture of Dust and Fumes

With flanged hood

With efficiency hood

With square hood

Ball-joint extraction arms

Laboratory extraction arm



Application Range

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

Test Certification:



Dust Extractors

High Vacuum
Extraction UnitsWelding Fume
FiltersOil Mist
SeparatorsCarbon Filters/
Air PurifierDowndraft
Tables

Extraction Fans

Extraction Arms

Filter Towers

Central Extraction
Systems

Pipe Systems

About us

Interesting
Information

Extraction Arms

Introduction and Product Overview



Introduction

ESTA extraction arms are the best solution for the precise, flexible capturing of dusts, vapor and fumes. The ESTA extraction arm's hood can easily be moved to any extraction point and held there reliably. This ensures that your extraction device's suction performance is directed to the exact place where it is needed. Because even the most powerful extraction system is useless if the dust-laden air does not get to the device.

This makes ESTA extraction arms ideal wherever manual work is done or where machines without pipe connections are used. The extraction arm and extraction system must be matched for air performance. For this purpose, ESTA offers a broad selection of extraction arms of various diameters and lengths.

Their great flexibility, easy handling and exterior support structure frame offer the best possible efficiency. Furthermore, premium workmanship gives ESTA extraction arms a long service life.

A wide range of suitable extraction hoods and ATEX versions or high-alloy designs are also available.



Extraction Arms

Flanged Hood



Extraction arm with flanged hood

Application Range

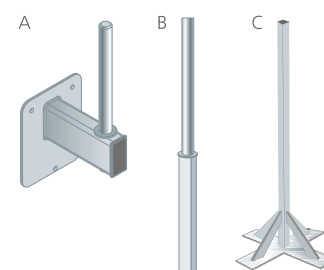
- » Extraction of individual and multiple workstations in industrial and skilled trade applications
- » For connection to extraction unit or pipework



Ideal for

- Fumes
- Vapors
- Dusts
- Shavings
- ... and many more

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, height: 1.000 mm, for extraction arm with standpipe



Extraction arm at a welding station

Special Features

- » External beam construction
- » Unobstructed air flow inside the extraction arm
- » Gas springs for easy adjustment
- » Optional: reducer and gate valves available for regulating the airflow
- » Optional: installation of lighting
- » Optional: ATEX version

Your Benefits

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

Technical Data

| Extraction arms with flanged hood | | | | | | | | | | |
|-----------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|--------|--------|
| | Ø 50 | Ø 70 | Ø 80 | Ø 100 | Ø 125 | Ø 140 | Ø 150 | Ø 160 | Ø 180 | Ø 200 |
| Length / Order Number | | | | | | | | | | |
| 1.500 mm | 50.152 | 70.152 | 80.152 | 10.152 | 12.152 | 14.152 | 15.152 | 16.152 | 18.152 | – |
| 2.000 mm | 50.202 | 70.202 | 80.202 | 10.202 | 12.202 | 14.202 | 15.202 | 16.202 | 18.202 | 20.202 |
| 3.000 mm | 50.302 | 70.302 | 80.302 | 10.302 | 12.302 | 14.302 | 15.302 | 16.302 | 18.302 | 20.302 |
| 4.000 mm | – | – | – | 10.4024 | 12.4024 | 14.4024 | 15.4024 | 16.4024 | – | – |
| 4.000 mm ¹⁾ | – | – | – | 10.402 | 12.402 | 14.402 | 15.402 | 16.402 | 18.402 | 20.402 |
| 5.000 mm ¹⁾ | – | – | – | 10.502 | 12.502 | 14.502 | 15.502 | 16.502 | 18.502 | 20.502 |
| 6.000 mm ²⁾ | – | – | – | 10.602 | 12.602 | 14.602 | 15.602 | 16.602 | 18.602 | 20.602 |
| 8.000 mm ³⁾ | – | – | – | 10.8024 | 12.8024 | 14.8024 | 15.8024 | 16.8024 | – | – |

¹⁾inkl. 2.0m extension boom / ²⁾inkl. 3.0m extension boom / ³⁾inkl. 4.0m extension boom

Extraction Arms

Suction arms

Efficiency hood



Suction arm with efficiency hood

Areas of application

- » For precise detection of smoke and dust
- » Single and multiple extraction points in industry and crafts
- » For connection to suction unit or pipeline

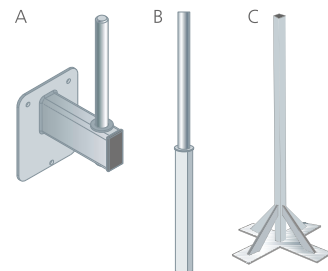


Ideal for

- Fumes
- Vapors
- Dusts
- Shavings
- ... and many more

Enlargement of the detection area
up to 30%

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, height: 1.000 mm, for extraction arm with standpipe

ESTAPLUS

Special features

- » External carrier construction
- » Air flow inside is not hindered
- » Gas springs for easy mobility
- » Optional: throttle and shut-off valves for control of suction air available
- » Optional: installation of lighting possible

Benefits for you

- » High flexibility
- » Easy handling
- » Exact detection

Data depending on model version

Technical Data

Extraction arms with efficiency hood

Ø 140

Length / Order Number

| | |
|------------------------|---------------|
| 1.500 mm | 14.154 |
| 2.000 mm | 14.204 |
| 3.000 mm | 14.304 |
| 4.000 mm ¹⁾ | 14.404 |
| 5.000 mm ¹⁾ | 14.504 |
| 6.000 mm ²⁾ | 14.604 |

¹⁾incl. 2,0m extension boom / ²⁾incl. 3,0m extension boom

Extraction Arms *Square Hood*



Extraction arm with square hood

Application Range

- » For large-area sensing of dust and fume
- » Extraction of individual and multiple workstations in industrial and skilled trade applications
- » Connection to extraction unit or pipework



Ideal for

- Fumes
- Vapors
- Dusts
- ... and many more



Square hood with baffle plate at a weighing station

ESTAPLUS

Special Features

- » External beam construction
- » Unobstructed air flow inside the extraction arm
- » Gas springs for easy adjustment
- » Optional: reducer and gate valves available for regulating the airflow
- » Optional: ATEX version

Your Benefits

- » Large capturing area
- » Easy handling
- » High Flexibility

Technical Data

| Extraction arms with square hood | | | | | | |
|----------------------------------|---------|---------|---------|---------|---------|--------|
| | Ø 100 | Ø 125 | Ø 140 | Ø 150 | Ø 160 | Ø 180 |
| Hood: 500 x 500 mm | ✓ | ✓ | – | – | – | – |
| Hood: 600 x 600 mm | – | – | ✓ | ✓ | ✓ | ✓ |
| Length / Order Number | | | | | | |
| 1.500 mm | 10.153 | 12.153 | 14.153 | 15.153 | 16.153 | 18.153 |
| 2.000 mm | 10.203 | 12.203 | 14.203 | 15.203 | 16.203 | 18.203 |
| 3.000 mm | 10.303 | 12.303 | 14.303 | 15.303 | 16.303 | 18.303 |
| 4.000 mm | 10.4034 | 12.4034 | 14.4034 | 15.4034 | 16.4034 | – |
| 4.000 mm ¹⁾ | 10.403 | 12.403 | 14.403 | 15.403 | 16.403 | 18.403 |
| 5.000 mm ¹⁾ | 10.503 | 12.503 | 14.503 | 15.503 | 16.503 | 18.503 |
| 6.000 mm ²⁾ | 10.603 | 12.603 | 14.603 | 15.603 | 16.603 | 18.603 |
| 8.000 mm ³⁾ | 10.8034 | 12.8034 | 14.8034 | 15.8034 | 16.8034 | – |

¹⁾ incl. 2.0m extension boom / ²⁾ incl. 3.0m extension boom / ³⁾ incl. 4.0m extension boom

Dust Extractors

High Vacuum
Extraction Units

Welding Fume
Filters

Oil Mist
Separators

Carbon Filters/
Air Purifier

Downdraft
Tables

Extraction Fans

Extraction Arms

Filter Towers

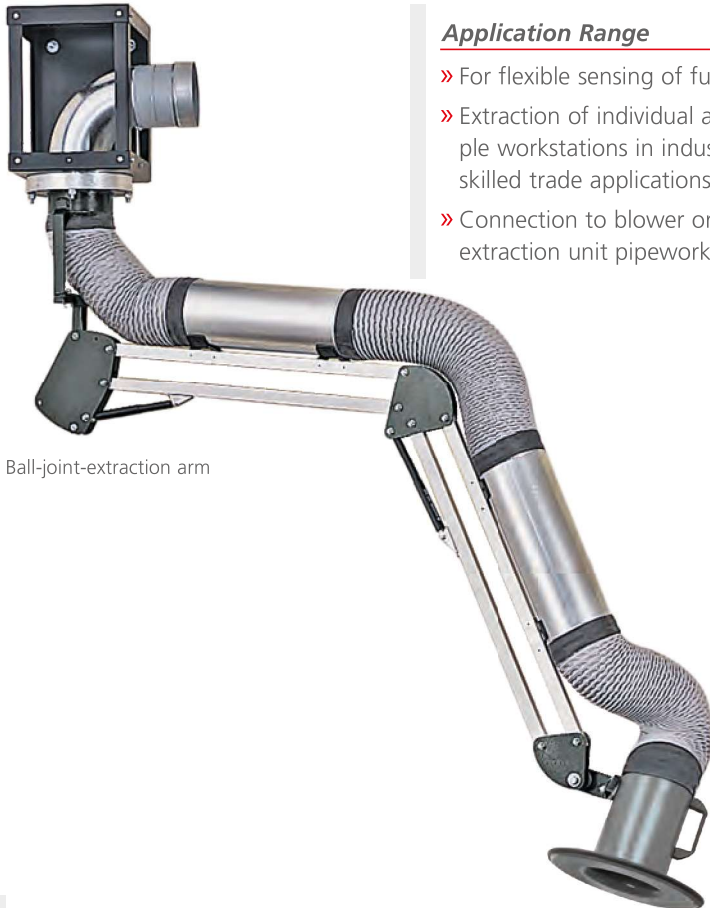
Central Extraction
Systems

Pipe Systems

About us

Interesting
Information

Ball-Joint Extraction Arms



Ball-joint-extraction arm

Application Range

- » For flexible sensing of fume
- » Extraction of individual and multiple workstations in industrial and skilled trade applications
- » Connection to blower or extraction unit pipework



Ideal for

- Welding fume
- Vapors
- ... and many more



Ball-joint-extraction arm in use

ESTAPLUS

Special Features

- » Swivel range:
 - ceiling mounted unit 360°
 - wall mounted unit 180°
- » External beam construction
- » Unobstructed air flow inside the extraction arm
- » Gas springs for easy adjustment
- » Optional reducer and gate valves available for regulating the airflow
- » Optional installation of lighting
- » Optional ATEX version

Your Benefits

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

Technical Data

Ball-joint extraction arm with oval hood

| | Ø 80 | Ø 100 | Ø 125 | Ø 140 | Ø 150 | Ø 160 | Ø 180 |
|------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Length / Order Number | | | | | | | |
| 2.000mm | 80.202D | 10.202D | 12.202D | 14.202D | 15.202D | 16.202D | 18.202D |
| 3.000mm | 80.302D | 10.302D | 12.302D | 14.302D | 15.302D | 16.302D | 18.302D |
| 4.000mm | – | 10.402D | 12.402D | 14.402D | 15.402D | 16.402D | 18.402D |

Ball-joint extraction arm with square hood

| | | | | | | | |
|------------------------------|---|---------|---------|---------|---------|---------|---------|
| Length / Order Number | | | | | | | |
| 2.000mm | – | 10.203D | 12.203D | 14.203D | 15.203D | 16.203D | 18.203D |
| 3.000mm | – | 10.303D | 12.303D | 14.303D | 15.303D | 16.303D | 18.303D |
| 4.000mm | – | 10.403D | 12.403D | 14.403D | 15.403D | 16.403D | 18.403D |

Laboratory Extraction Arm 50 D



Laboratory extraction arm 50 D

Application Range

- » Extraction of individual and multiple workstations in laboratories, industrial and skilled trade applications
- » For the precise sensing of fine dusts and fumes
- » Dental laboratories

Ideal for

- Soldering fumes
- Dusts
- Odorants
- Vapors
- ... and many more



Multiple extraction units for the extraction of solder fumes

ESTA PLUS

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
- » Optional ATEX version

Your Benefits

- » Precise sensing
- » Space saving
- » Extraction hood for any application
- » Easy handling



Extraction hood with round orifice and integrated lighting



Airflow valve to regulate the extraction volume

Technical Data

| | | |
|---|----|--------|
| Laboratory extraction arm incl. table mounting device | | 50 D |
| Total extension | mm | 900 |
| Order Number | | 50.080 |