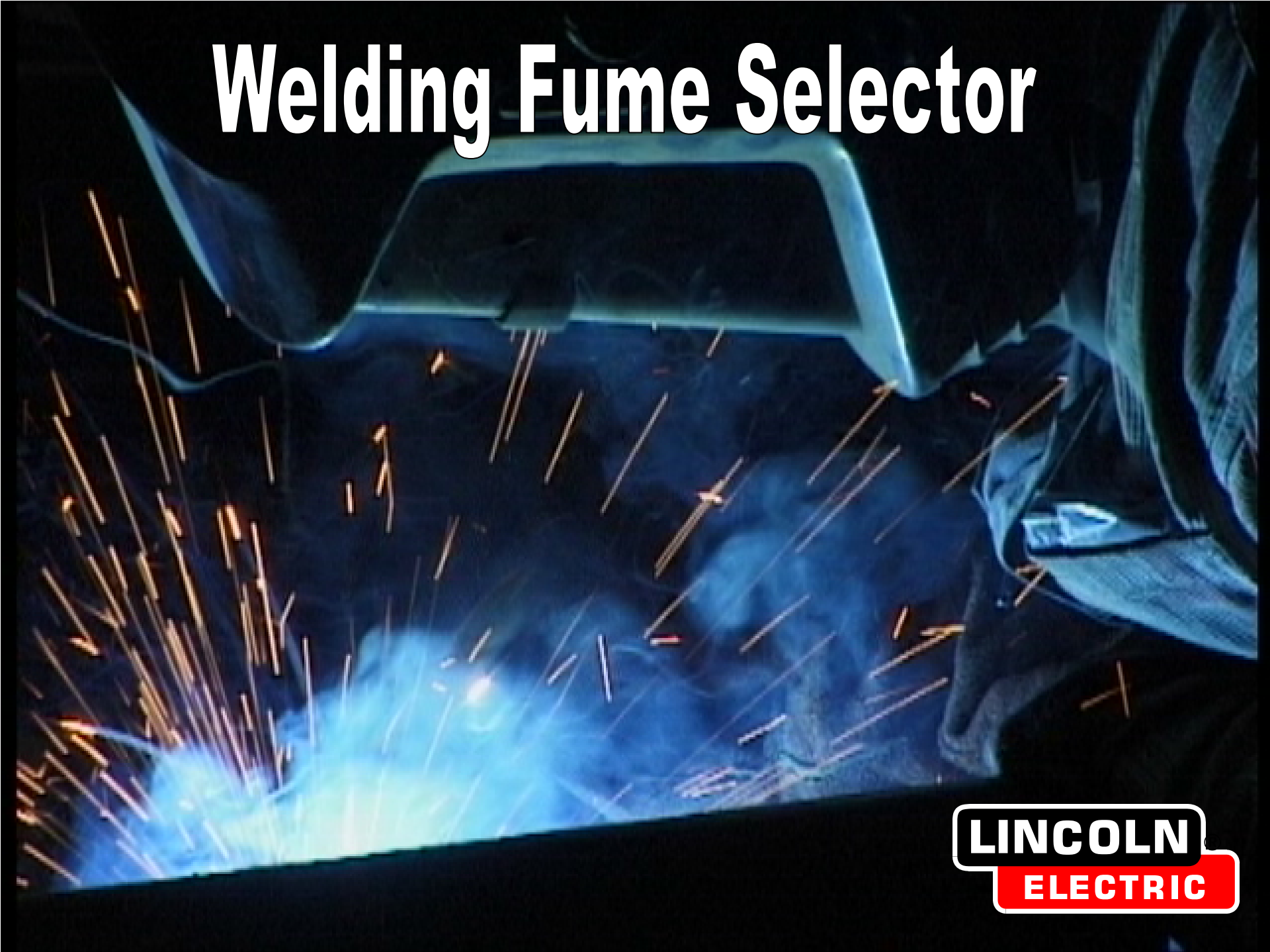


Welding Fume Selector



LINCOLN
ELECTRIC

Index

Lincoln Welding Fume Selector tool:

Basic tool to support fume-extraction configuration.

Just Click the appropriate pictures or buttons to proceed.

[Miniflex
Selector](#)

[Central
systems](#)

[Fan & Duct
selector](#)

[Single Welder
solutions](#)

[Examples](#)

[Portfolio](#)

Miniflex portable HV unit

The Miniflex is a portable high vacuum welding fume extractor. It is equipped with two motors and an automatic start/stop device.

The extracted welding fume first passes a metal pre-separator and then goes through the LongLife-H main filter with integrated aluminium pre filter.

The air leaves the unit through a HEPA filter.

An activated carbon filter can be installed as an option.

With its wheels, the handle and its compact design the machine is extremely suited to be used in relatively small workshops, in confined spaces or near sources of pollution without a fixed location.

The Miniflex can be switched on/off manually or automatically.

The B(G)IA-W3 certified Miniflex-I version is additionally provided with a filter pollution indicator and sound signal.

The Miniflex is intended to be used for the following applications:

- MIG-MAG/GMAW welding
- TIG welding
- FCAW welding
- stick/MMAW welding



Back



Miniflex



Portable high vacuum welding fume extractor, standard provided with:

- Dura-H filter, filter surface 12 m² • HEPA filter • aluminium pre filter • automatic start/stop • set of wheels • extraction hose 2,5 m • 2 sets carbon brushes.

Capacity: 2 x 1000 W

Miniflex (215) 230V/1ph/50Hz

EM7603001700

Miniflex-I (BIA-W3) Miniflex with filter pollution indicator and sound signal 230V/1~/50Hz

EM7603101700

FAC HV Activated carbon filter

1pc EM9850070080

5pcs EM9850070090

MBH Wall bracket

EM7915303000

HCH 45 Hose connection

EM7900060050

NKT Nozzle kit

EM7900060030

NKC Nozzle kit

EM7900060040

EN 20 Funnel nozzle

EM7900060020

EN 40 Slit extraction nozzle

EM7900060010

H2.5/45 Extraction/exhaust hose 2,5 m

EM9880020100

H5.0/45 Extraction/exhaust hose 5 m

EM9880020110

CP 45 Connection piece Ø 45 mm

EM809010040

Pre filter Filter class G2

EM0102080120

Dura-H filter Disposable cartridge filter 12 m²

EM9850060150

HEPA filter Filter class H12

EM9850060140

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Select system

Mobile, Workbench or Static



[Back](#)

Mobile Systems

Unfiltered



Filtered



Back

Mobiflex 100 NF



Fan Mobiflex 100NF

400V/3ph/50Hz - EM7130500700
230V/3ph/50Hz - EM7130300700
230V/1ph/50Hz - EM7130200700
115V/1ph/50Hz - EM7130800700

Technical Specifications:

Portable extraction fan with a free-blowing capacity of 2400 m³/h.

Fan : 0.75kW

Including 6 m cable and motor protection switch.

To be connected to max. 20 m hose set.



SUS 5/160

Suction set, consisting of a flexible hose Ø 160 mm with metal outside spiral, extraction nozzle with magnetic foot and hose clamp. Length 5 meter

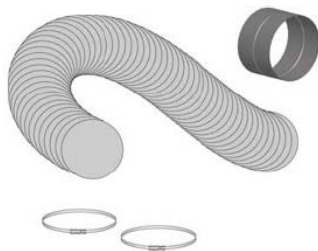
EM7900068010



ZM 160

Extraction nozzle Ø 160 mm with magnetic foot.

EM7900051090



EXS 5/160

Exhaust/extension hose set, consisting of a flexible hose Ø 160 mm with metal outside spiral and two hose clamps. Length 5 meter

EM7900068020

[Back](#)

Mobile Filtered systems Selector

Oil treated steel **Yes** **Mobiflex 300E**

Mobiflex 300-E
configurator

No

<500 kg Stick
or 700kg Solid wire

> 500 kg Stick
or 700kg Solid wire

Mobiflex 200 M

Mobiflex 400MS

Mobiflex 200 MS
configurator

Mobiflex 400 MS
configurator



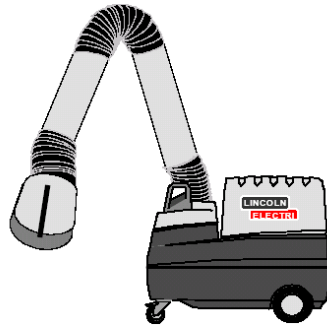
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Mobiflex 200 M

Annual consumable volume:

Less than 500kg Cored wire
or electrodes.

Less than 700 kg solid wire



Technical Specifications:

Fan : 0.75kW

Extraction volume : max 1250m³ at the hood

Filter efficiency: up to 99%

Filter surface: 50m² with pollution indicator

Included 5 meters primary cable and
motor protection switch

Not to be used with oil treated steel

Mobiflex 200M

400V/3ph/50Hz - EM7025100700

230V/3ph/50Hz - EM7023100700

230V/1ph/50Hz - EM7022110700

115V/1ph/50Hz - EM7028100700



Options:

Worklight with Start/Stop Switch: add following #'s

EM9850031060, EM790010140, EM9820300040

Worklight with automatic Start/Stop:

EM9850031060, EM790010200, EM9820300040

Flexible suction arms, Ø203mm, with rotatable hood and valve.

LFA 3.0 and 4.0 Deblock System,

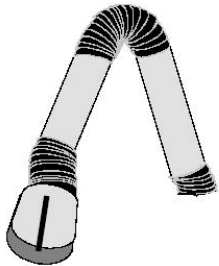
LFA 3.1 and 4.1 Balancer System, move with 1 fingertip

LFA 3.0 , 3 meters deblock system - EM7925160180

LFA 4.0 , 4 meters deblock system - EM7925210180

LFA 3.1 , 3 meters balancer system - EM7925170180

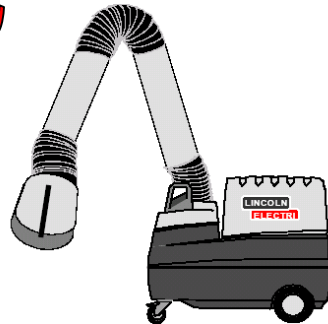
LFA 4.1 , 4 meters balancer system - EM7925220180



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Mobiflex 300 E electrostatic

Easy to clean
filtercell



Technical Specifications:

Fan : 0.75kW

Extractionvolume :max 1300m³ at the hood

Filterefficiency: up to 99%

Filtersurface: 14.2m² electrostatic filter with aluminium prefilter

Included 5 meters primary cable and motorprotectionswitch

Suitable for use with oil treated steel

Mobiflex 300-E

400V/3ph/50Hz - EM7035400700

230V/3ph/50Hz - EM7035400700

230V/1ph/50Hz - EM7032400700

115V/1ph/50Hz - EM7038400700



Options:

Worklight with Start/Stop Switch: add folowing #'s

EM9850031060, EM790010140

Worklight with automatch Start/Stop:

EM9850031060, EM790010200

Flexible suction arms, Ø203mm, with rotatable hood and valve.

LFA 3.0 and 4.0 Deblock System,

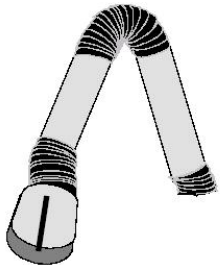
LFA 3.1 and 4.1 Balancer System, move with 1 fingertip

LFA 3.0 , 3 meters deblock system - EM7925160180

LFA 4.0 , 4 meters deblock system - EM7925210180

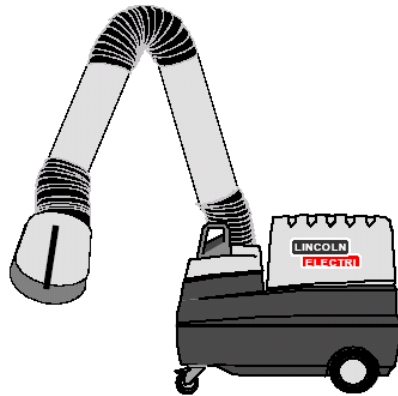
LFA 3.1 , 3 meters balancer system - EM7925170180

LFA 4.1 , 4 meters balancer system - EM7925220180



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Mobiflex 400 MS(/C)



Technical Specifications:

Fan : 0.75kW

Extraction volume : max 1250m³ at the hood

Filter efficiency: up to 99%

Filter surface: 30m² mechanical filter with rotapuls self cleaning set

Included 5 meters primary cable and motor protection switch

Not to be used with oil treated steel

Mobiflex 400MS for compressed air

400V/3ph/50Hz - EM7045300700

230V/3ph/50Hz - EM7043300700

230V/1ph/50Hz - EM7045400700

Mobiflex 400MS/C with compressor

400V/3ph/50Hz+N - EM7045200700

230V/3ph/50Hz+N - EM7043200700

230V/1ph/50Hz+N - EM7045200700

Options:

Worklight with Start/Stop Switch: add following #'s

EM9850031060, EM790010140

Worklight with automatic Start/Stop:

EM9850031060, EM790010200

Flexible suction arms, Ø203mm, with rotatable hood and valve.

LFA 3.0 and 4.0 Deblock System,

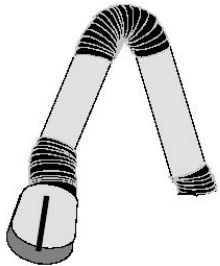
LFA 3.1 and 4.1 Balancer System, move with 1 fingertip

LFA 3.0 , 3 meters deblock system - EM7925160180

LFA 4.0 , 4 meters deblock system - EM7925210180

LFA 3.1 , 3 meters balancer system - EM7925170180

LFA 4.1 , 4 meters balancer system - EM7925220180



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Static systems

Single Welder System



Multiple Welders Central Systems



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Static Single Welder Systems

Unfiltered



Filtered

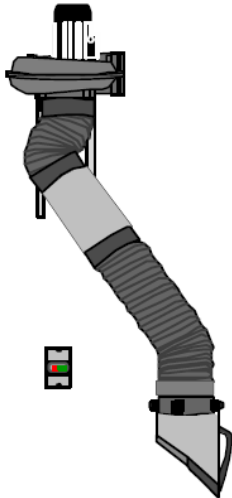


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Statiflex 100 NF configuration

Unfiltered System, check environmental permit

LFA 2.0 - LTA 2.0



LFA 3.0 - 3.1 - 4.0 - 4.1
LFA 4.1 Low ceiling



Extension Crane
5 to 8 meters



Select arm type

Back

Statiflex 100 NF

Unfiltered LFA 2.0 - LTA 2.0 System



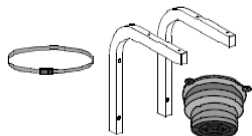
SF 1400 115V/1ph/50Hz EM7905620720
SF 1400 230V/1ph/50Hz EM7905620710
SF 1400 230V/3ph/50Hz EM7905620750
SF 1400 400V/3ph/50Hz EM7905620740



LTA 2.0 Telescopic arm 1 to 2 meter.
Ø 203 mm with rotatable hood, throttle
valve and DeBlock balance system.
EM7925260180



LFA 2.0 Flexible arm Ø 203 mm with
rotatable hood
throttle valve and DeBlock balance
system. Supplied including
connection flange NCF.
EM7925270180



TMB Wall mounting bracket for installation of a
fan on an extraction arm or extension crane.
Including COK and hose clamp.
EM7915302700

Technical Specifications:

Fan : 0.55kW 1400m³/hr free blowing
Extraction volume : max 1300m³ at the hood
Filter efficiency: None

Suitable for use with oil treated steel



NCF connection flange Ø 160 - 200 mm,
incl. sealing and connection material.
EM7940201010



NRV Non-return valve Ø 160 mm for SF
1400/2400. When using more fans at one
central duct.
EM7900030800



CKS Connection kit stationary
systems. For connection of a SF
1400 to a stationary duct system.
Consisting of a flexible hose 1 m Ø
160 mm and two hose clamps.
EM7940202010

Options
Start/Stop
Worklight

Back

Statiflex 100 NF

Unfiltered LFA 2.0 - LTA 2.0 System

Options:



Standard Start / Stop

MPS for SF1400

115V/1ph/50Hz >> 6.3 - 10 A >> EM0328270200

230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

230V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

400V/3ph/50Hz >> 1.0 - 1.6 A >> EM0328270150

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:

CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 0.55kW 1400m³/hr free blowing

Extractionvolume :max 1300m³ at the hood

Filterefficiency: None

Suitable for use with oil treated steel

Selection table NRT for SF1400

115V/1ph/50Hz >> 7.5 -10.5A >> EM0328400150

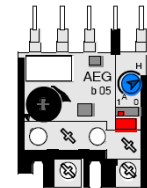
230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

230V/3ph/50Hz >> 2.2 - 3.2 A >> EM0328400110

400V/3ph/50Hz >> 1.4 - 2.0 A >> EM0328400100



CB



NTR

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Statiflex 100 NF

Unfiltered **LFA 3.0 - 3.1 - 4.0 - 4.1**
LFA 4.1 Low ceiling

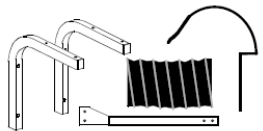


SF 2400 115V/1ph/50Hz EM7905220720
SF 2400 230V/1ph/50Hz EM7905220710
SF 2400 230V/3ph/50Hz EM7905220750
SF 2400 400V/3ph/50Hz EM7905220740



Flexible suction arms, Ø203mm, with rotatable hood and valve.

LFA3.0 , 3 meters deblock system - EM7925160180
LFA4.0 , 4 meters deblock system - EM7925210180
LFA3.1 , 3 meters balancer system - EM7925170180
LFA4.1 , 4 meters balancer system - EM7925220180



LMB Wall mounting bracket for installation of a fan on and a LFA 3.0/3.1/4.0/4.1 extraction arm
Only for LFA 3.0/3.1/4.0/4.1
EM7915301700



LFA4.1 , 4 meters Low Ceiling - EM7925220180

TMB Wall mounting bracket for installation of a fan on an LFA 4.1 Low ceiling arm
Only suitable for LFA 4.1 low ceiling
EM7915302700

Technical Specifications:

Fan : 0.75kW 2400m³/hr free blowing
Extraction volume : max 1300m³ at the hood
Filter efficiency: None

Suitable for use with oil treated steel



NCF connection flange Ø 160 - 200 mm, incl. sealing and connection material.
EM7940201010



NRV Non-return valve Ø 160 mm for SF 1400/2400. When using more fans at one central duct.
EM7900030800



CKS Connection kit stationary systems. For connection of a SF 2400 to a stationary duct system. Consisting of a flexible hose 1 m Ø 160 mm and two hose clamps.
EM7940202010

Options
Start/Stop
Worklight

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Statiflex 100 NF

Unfiltered **LFA 3.0 - 3.1 - 4.0 - 4.1**
LFA 4.1 Low ceiling

Options:



Standard Start / Stop

MPS for SF2400

115V/1ph/50Hz >> 10 - 16 A >> EM0328270200

230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

230V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

400V/3ph/50Hz >> 1.6 - 2.5 A >> EM0328270160

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:

CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 0.75kW 2400m³/hr free blowing

Extractionvolume :max 1300m³ at the hood

Filterefficiency: None

Suitable for use with oil treated steel

Selection table NRT for SF2400

115V/1ph/50Hz >> 10 - 14 A >> EM0328400160

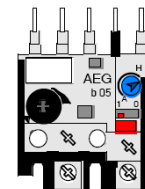
230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

230V/3ph/50Hz >> 3.1 - 4.7 A >> EM0328400120

400V/3ph/50Hz >> 1.7 - 2.4 A >> EM0328400090



CB



NTR

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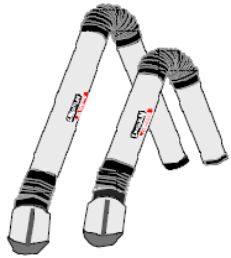
Statiflex 100 NF

Unfiltered

**LFA 3.0 - 3.1 - 4.0 - 4.1
+ Extension Crane**

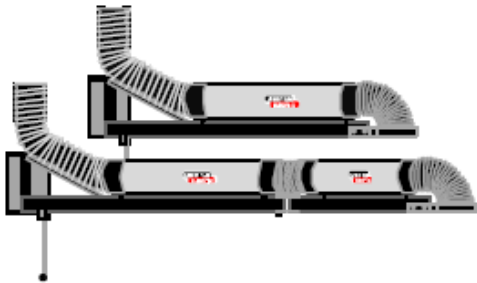


SF 4200 230V/3ph/50Hz EM7906010050
SF 4200 400V/3ph/50Hz EM7906010010



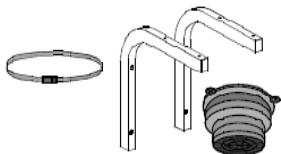
Flexible suction arms, Ø203mm, with rotatable hood and valve.

LFA3.0 , 3 meters deblock system - EM7925160180
LFA4.0 , 4 meters deblock system - EM7925210180
LFA3.1 , 3 meters balancer system - EM7925170180
LFA4.1 , 4 meters balancer system - EM7925220180



EC 2 extension Crane Ø 203 mm with HandyStop.
To be used in combination with LFA 3.0/4.0/3.1/4.1.
Extends total length to 2 meters + LFA
EM7920122700

Extension kit EC 4.
Only to be used in combination with EC 2.
Extends total length to 4 meters + LFA
EM9830401700



TMB Wall mounting bracket for installation of a fan on an EC 2 or EC 4 extension crane
EM7915302700

Technical Specifications:

Fan : 1.5kW , 3000m³/hr free blowing
Extraction volume :max 1300m³ at the hood
Filter efficiency: None

Suitable for use with oil treated steel

Options
Start/Stop
Worklight

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Statiflex 100 NF

Unfiltered **LFA 3.0 - 3.1 - 4.0 - 4.1**
+ Extension Crane

Options:



Standard Start / Stop

MPS for SF4200

230V/3ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

400V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:

CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 1.5kW , 3000m³/hr free blowing

Extractionvolume :max 1300m³ at the hood

Filterefficiency: None

Suitable for use with oil treated steel

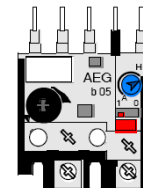
Selection table NRT for SF4200

230V/3ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

400V/3ph/50Hz >> 3.0 - 4.7 A >> EM0328400120



CB



NTR

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Filtered Static Single Welder Systems

Oil treated steel

Yes

Statiflex 300E

Statiflex 300-E
configurator

No

<500 kg Stick
or 700kg Solid wire

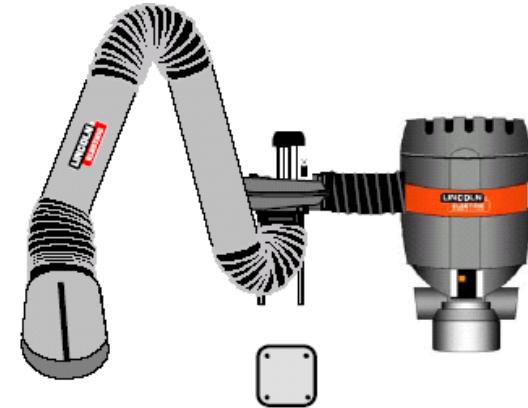
> 500 kg Stick
or 700kg Solid wire

Statiflex 200 M

Statiflex 200 MS
configurator

Statiflex 400MS

Statiflex 400 MS
configurator



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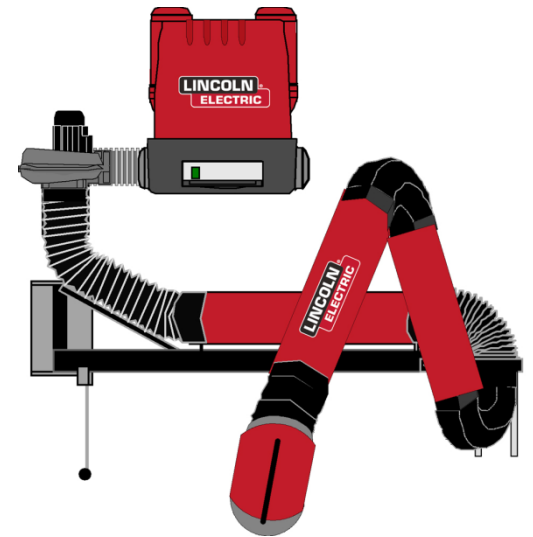
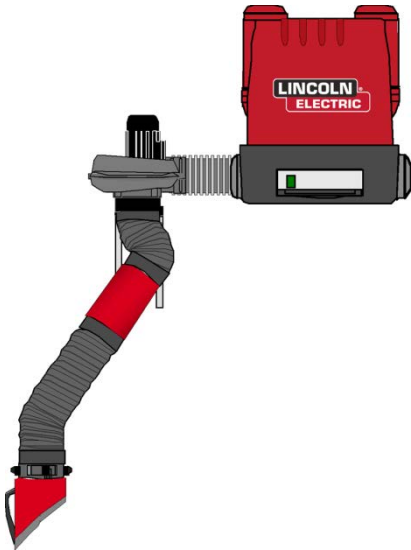
Statiflex 200 M configuration

Mechanical Filter System  BGIA

LFA 2.0 - LTA 2.0

LFA 3.0 - 3.1 - 4.0 - 4.1
LFA 4.1 Low ceiling

Extension Crane
5 to 8 meters



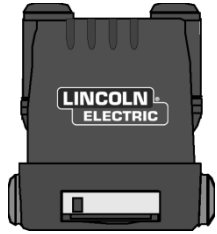
Select arm type

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Statiflex 200M

filtered

LFA 2.0 - LTA 2.0 System



Statiflex 200M

EM7435000700



SF 2400 115V/1ph/50Hz EM7905220720

SF 2400 230V/1ph/50Hz EM7905220710

SF 2400 230V/3ph/50Hz EM7905220750

SF 2400 400V/3ph/50Hz EM7905220740



LTA 2.0 Telescopic arm 1 to 2 meter.
Ø 203 mm with rotatable hood, throttle
valve and DeBlock balance system.

EM7925260180



LFA 2.0 Flexible arm Ø 203 mm with
rotatable hood

throttle valve and DeBlock balance
system. Supplied including
connection flange NCF.

EM7925270180

Technical Specifications:

Fan : 0.75kW

Extraction volume : max 1250m³ at the hood

Filter efficiency: up to 99%

Filter surface: 50m² with pollution indicator

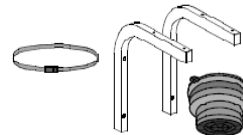
Not to be used with oil treated steel



NCF connection flange Ø 160 - 200 mm,
incl. sealing and connection material.
EM7940201010



CKS Connection kit stationary
systems. For connection of a SF
2400 to a stationary duct system.
Consisting of a flexible hose 1 m Ø
160 mm and two hose clamps.
EM7940202010



TMB Wall mounting bracket for installation
of a fan on an extraction arm or extension
crane. Including COK and hose clamp.
EM7915302700

Options
Start/Stop
Worklight

Back

Statiflex 200 M

filtered LFA 2.0 - LTA 2.0 System

Options:



Standard Start / Stop

MPS for SF2400

115V/1ph/50Hz >> 10 - 16 A >> EM0328270200

230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

230V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

400V/3ph/50Hz >> 1.6 - 2.5 A >> EM0328270160

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:

CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 0.75kW

Extractionvolume :max 1250m³ at the hood

Filterefficiency: up to 99%

Filtersurface: 50m² with polution indicator

Not to be used with oil treated steel

Selection table NRT for SF2400

115V/1ph/50Hz >> 10 - 14 A >> EM0328400160

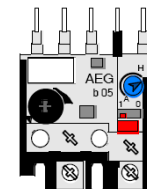
230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

230V/3ph/50Hz >> 3.1 - 4.7 A >> EM0328400120

400V/3ph/50Hz >> 1.7 - 2.4 A >> EM0328400090



CB



NTR

[Back](#)

Statiflex 200 M

Unfiltered **LFA 3.0 - 3.1 - 4.0 - 4.1**
LFA 4.1 Low ceiling

Technical Specifications:

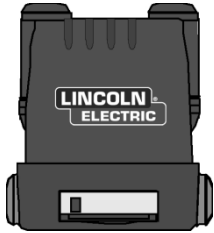
Fan : 0.75kW

Extraction volume :max 1250m³ at the hood

Filter efficiency: up to 99%

Filter surface: 50m² with pollution indicator

Not to be used with oil treated steel



Statiflex 200M

EM7435000700



- SF 2400 115V/1ph/50Hz EM7905220720
- SF 2400 230V/1ph/50Hz EM7905220710
- SF 2400 230V/3ph/50Hz EM7905220750
- SF 2400 400V/3ph/50Hz EM7905220740

Flexible suction arms, Ø203mm, with rotatable hood and valve.

LFA3.0 , 3 meters deblock - EM7925160180

LFA4.0 , 4 meters deblock - EM7925210180

LFA3.1 , 3 meters balancer - EM7925170180

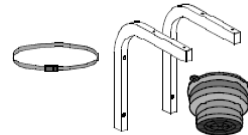
LFA4.1 , 4 meters balancer - EM7925220180

LMB Wall mounting bracket for installation of a fan on and a LFA 3.0/3.1/4.0/4.1 extraction arm
Only for LFA 3.0/3.1/4.0/4.1

EM7915301700



LFA4.1, 4 meters Low Ceiling - EM7925220180



TMB Wall mounting bracket for installation of a fan on an LFA 4.1 Low ceiling arm
Only suitable for LFA 4.1 low ceiling
EM7915302700



NCF connection flange Ø 160 - 200 mm, incl. sealing and connection material.
EM7940201010



CKS Connection kit stationary systems. For connection of a SF 2400 to a stationary duct system.
Consists of a flexible hose 1 m Ø 160 mm and two hose clamps.
EM7940202010

Options
Start/Stop
Worklight

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Statiflex 200 M

filtered **LFA 3.0 - 3.1 - 4.0 - 4.1**
LFA 4.1 Low ceiling

Options:



Standard Start / Stop

MPS for SF2400

115V/1ph/50Hz >> 10 - 16 A >> EM0328270200

230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

230V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

400V/3ph/50Hz >> 1.6 - 2.5 A >> EM0328270160

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:

CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 0.75kW

Extractionvolume :max 1250m³ at the hood

Filterefficiency: up to 99%

Filtersurface: 50m² with polution indicator

Not to be used with oil treated steel

Selection table NRT for SF2400

115V/1ph/50Hz >> 10 - 14 A >> EM0328400160

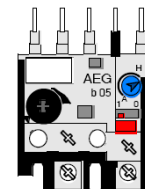
230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

230V/3ph/50Hz >> 3.1 - 4.7 A >> EM0328400120

400V/3ph/50Hz >> 1.7 - 2.4 A >> EM0328400090



CB



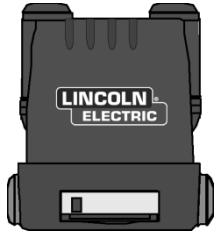
NTR

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Statiflex 200 M

filtered

**Extension Crane
5 to 8 meters**



Statiflex 200M

EM7435000700

EC 2 extension Crane Ø 203 mm with HandyStop. To be used in combination with LFA 3.0/4.0/3.1/4.1.

Extends total length to 2 meters + LFA
EM7920122700

Extension kit EC 4.

Only to be used in combination with EC 2.
Extends total length to 4 meters + LFA
EM9830401700

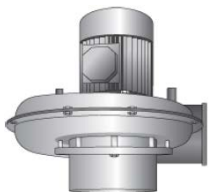
Flexible suction arms, Ø203mm,
with rotatable hood and valve.

LFA3.0 , 3 meters deblock - EM792516018

LFA4.0 , 4 meters deblock - EM7925210180

LFA3.1 , 3 meters balancer - EM7925170180

LFA4.1 , 4 meters balancer - EM7925220180



SF 4200 230V/3ph/50Hz EM7906010010

SF 4200 400V/3ph/50Hz EM7906010050

Technical Specifications:

Fan : 1.5 kW

Extraction volume : max 1250m³ at the hood

Filter efficiency: up to 99%

Filter surface: 50m² with pollution indicator

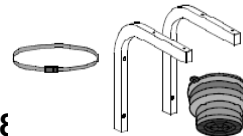
Not to be used with oil treated steel



NCF connection flange Ø 160 - 200 mm,
incl. sealing and connection material.
EM7940201010



CKS Connection kit stationary
systems. For connection of a SF
2400 to a stationary duct system.
Consisting of a flexible hose 1 m Ø
160 mm and two hose clamps.
EM7940202010



TMB Wall mounting bracket for installation
of a fan on an extraction arm or extension
crane. Including COK and hose clamp.
EM7915302700

Options
Start/Stop
Worklight

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Statiflex 200 M





Filtered **Extension Crane**
5 to 8 meters

Options:







Standard Start / Stop
MPS for SF4200
230V/3ph/50Hz >> 4.0 - 6.3 A >> EM0328270180
400V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

Worklight with Start/Stop Switch:

 CB control box EM7900020310
 NTR thermal relay >> Select form table right >>
 NCW cable 11 meter EM9850031070
 WL Worklight EM7900010140

Worklight with automatic Start/Stop:

 CB control box EM7900020310
 NTR thermal relay >> Select form table right >>
 NCW cable 11meter EM9850031070
 WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 1.5 kW

Extractionvolume :max 1250m³ at the hood

Filterefficiency: up to 99%

Filtersurface: 50m² with polution indicator

Not to be used with oil treated steel

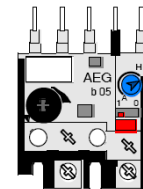
Selection table NRT for SF4200

230V/3ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

400V/3ph/50Hz >> 3.0 - 4.7 A >> EM0328400120



CB



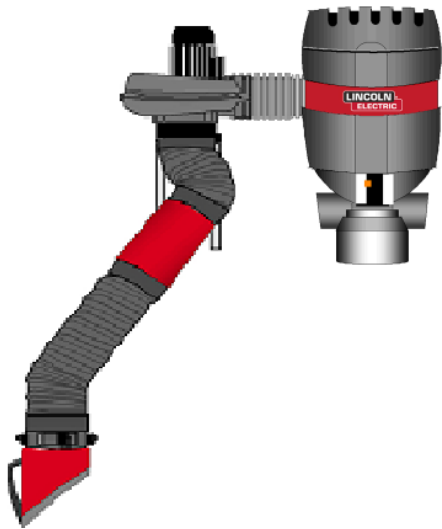
NTR

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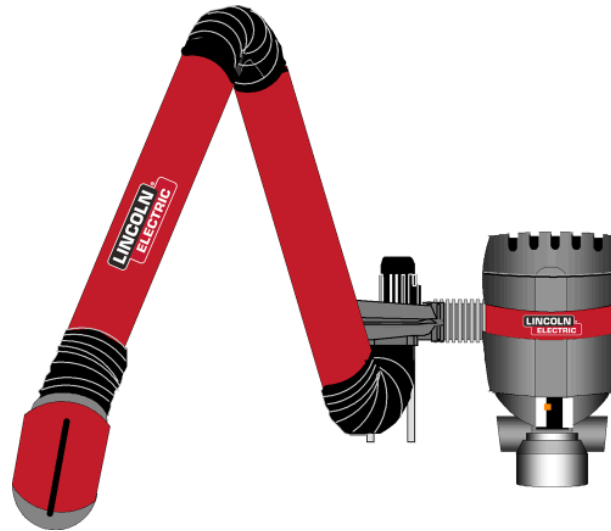
Statiflex 400 MS configuration

Mechanical Filter System  BGIA

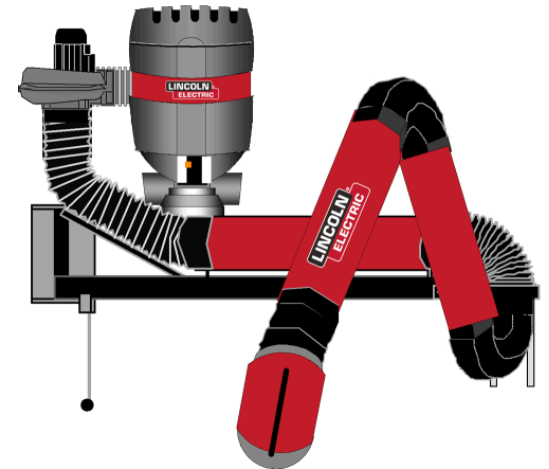
LFA 2.0 - LTA 2.0



LFA 3.0 - 3.1 - 4.0 - 4.1
LFA 4.1 Low ceiling



Extension Crane
5 to 8 meters



Select arm type

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Statiflex 400 MS

filtered

LFA 2.0 - LTA 2.0 System



Statiflex 400MS

EM7445000700



- SF 2400 115V/1ph/50Hz EM7905220720
- SF 2400 230V/1ph/50Hz EM7905220710
- SF 2400 230V/3ph/50Hz EM7905220750
- SF 2400 400V/3ph/50Hz EM7905220740



LTA 2.0 Telescopic arm 1 to 2 meter.
Ø 203 mm with rotatable hood, throttle valve and DeBlock balance system.
EM7925260180



LFA 2.0 Flexible arm Ø 203 mm with rotatable hood throttle valve and DeBlock balance system. Supplied including connection flange NCF.
EM7925270180

Technical Specifications:

Fan : 0.75kW

Extraction volume :max 1250m³ at the hood

Filter efficiency: up to 99%

Filter surface: 30m² with automatic cleaning

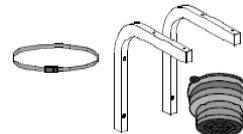
Not to be used with oil treated steel



NCF connection flange Ø 160 - 200 mm, incl. sealing and connection material.
EM7940201010



CKS Connection kit stationary systems. For connection of a SF 2400 to a stationary duct system. Consisting of a flexible hose 1 m Ø 160 mm and two hose clamps.
EM7940202010



TMB Wall mounting bracket for installation of a fan on an extraction arm or extension crane. Including COK and hose clamp.
EM7915302700

Options
Start/Stop
Worklight

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Statiflex 400 MS

filtered LFA 2.0 - LTA 2.0 System

Options:



Standard Start / Stop

MPS for SF2400

115V/1ph/50Hz >> 10 - 16 A >> EM0328270200

230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

230V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

400V/3ph/50Hz >> 1.6 - 2.5 A >> EM0328270160

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:

CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 0.75kW

Extractionvolume :max 1250m3 at the hood

Filterefficiency: up to 99%

Filtersurface: 30m2 with automatic cleaning

Not to be used with oil treated steel

Selection table NRT for SF2400

115V/1ph/50Hz >> 10 - 14 A >> EM0328400160

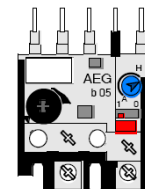
230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

230V/3ph/50Hz >> 3.1 - 4.7 A >> EM0328400120

400V/3ph/50Hz >> 1.7 - 2.4 A >> EM0328400090



CB



NTR

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Statiflex 400 MS

filtered

LFA 3.0 - 3.1 - 4.0 - 4.1
LFA 4.1 Low ceiling

Technical Specifications:

Fan : 0.75kW

Extraction volume :max 1250m³ at the hood

Filter efficiency: up to 99%

Filter surface: 30m² with automatic cleaning

Not to be used with oil treated steel



Statiflex 400MS

EM7445000700



SF 2400 115V/1ph/50Hz EM7905220720
SF 2400 230V/1ph/50Hz EM7905220710
SF 2400 230V/3ph/50Hz EM7905220750
SF 2400 400V/3ph/50Hz EM7905220740

Flexible suction arms, Ø203mm, with rotatable hood and valve.

LFA3.0 , 3 meters deblock - EM7925160180

LFA4.0 , 4 meters deblock - EM7925210180

LFA3.1 , 3 meters balancer - EM7925170180

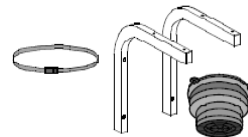
LFA4.1 , 4 meters balancer - EM7925220180

LMB Wall mounting bracket for installation of a fan on and a LFA 3.0/3.1/4.0/4.1 extraction arm
Only for LFA 3.0/3.1/4.0/4.1

EM7915301700



LFA4.1, 4 meters Low Ceiling - EM7925220180



TMB Wall mounting bracket for installation of a fan on an LFA 4.1 Low ceiling arm
Only suitable for LFA 4.1 low ceiling
EM7915302700



NCF connection flange Ø 160 - 200 mm, incl. sealing and connection material.
EM7940201010



CKS Connection kit stationary systems. For connection of a SF 2400 to a stationary duct system.
Consists of a flexible hose 1 m Ø 160 mm and two hose clamps.
EM7940202010

Options
Start/Stop
Worklight

Back

Statiflex 400 MS

filtered **LFA 3.0 - 3.1 - 4.0 - 4.1**
LFA 4.1 Low ceiling

Options:



Standard Start / Stop

MPS for SF1400

115V/1ph/50Hz >> 6.3 - 10 A >> EM0328270200

230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

230V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

400V/3ph/50Hz >> 1.0 - 1.6 A >> EM0328270150

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>



NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 0.75kW

Extractionvolume :max 1250m3 at the hood

Filterefficiency: up to 99%

Filtersurface: 30m2 with automatic cleaning

Not to be used with oil treated steel

Selection table NRT for SF1400

115V/1ph/50Hz >> 7.5 -10.5A >> EM0328400150

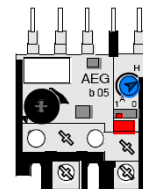
230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

230V/3ph/50Hz >> 2.2 - 3.2 A >> EM0328400110

400V/3ph/50Hz >> 1.4 - 2.0 A >> EM0328400100



CB



NTR

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Statiflex 400 MS

filtered **Extension Crane**
5 to 8 meters



Statiflex 400MS

EM7445000700

EC 2 extension Crane Ø 203 mm with HandyStop. To be used in combination with LFA 3.0/4.0/3.1/4.1.

Extends total length to 2 meters + LFA
EM7920122700

Extension kit EC 4.

Only to be used in combination with EC 2.
Extends total length to 4 meters + LFA
EM9830401700

Flexible suction arms, Ø203mm,
with rotatable hood and valve.

LFA3.0 , 3 meters deblock - EM792516018

LFA4.0 , 4 meters deblock - EM7925210180

LFA3.1 , 3 meters balancer - EM7925170180

LFA4.1 , 4 meters balancer - EM7925220180



SF 420 230V/3ph/50Hz EM7906010010

SF 420 400V/3ph/50Hz EM7906010050

Technical Specifications:

Fan : 1.5 kW

Extraction volume : max 1250m³ at the hood

Filter efficiency: up to 99%

Filter surface: 30m² with automatic cleaner indicator

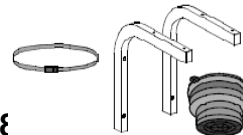
Not to be used with oil treated steel



NCF connection flange Ø 160 - 200 mm,
incl. sealing and connection material.
EM7940201010



CKS Connection kit stationary
systems. For connection of a SF
2400 to a stationary duct system.
Consisting of a flexible hose 1 m Ø
160 mm and two hose clamps.
EM7940202010



TMB Wall mounting bracket for installation
of a fan on an extraction arm or extension
crane. Including COK and hose clamp.
EM7915302700

Options
Start/Stop
Worklight

Back

Statiflex 400 MS





Filtered **Extension Crane**
5 to 8 meters

Options:







**Standard Start / Stop
MPS for SF4200**
230V/3ph/50Hz >> 4.0 - 6.3 A >> EM0328270180
400V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

Worklight with Start/Stop Switch:

 **CB control box** EM7900020310
 **NTR thermal relay >> Select form table right >>**
 **NCW cable 11 meter** EM9850031070
 **WL Worklight** EM7900010140

Worklight with automatic Start/Stop:

 **CB control box** EM7900020310
 **NTR thermal relay >> Select form table right >>**
 **NCW cable 11meter** EM9850031070
 **WL Worklight + AST** EM7900010200

Technical Specifications:

Fan : 1.5 kW

Extractionvolume :max 1250m³ at the hood

Filterefficiency: up to 99%

Filtersurface: 350m² with Automatic cleaner

Not to be used with oil treated steel

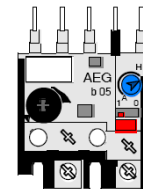
Selection table NRT for SF4200

230V/3ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

400V/3ph/50Hz >> 3.0 - 4.7 A >> EM0328400120



CB



NTR

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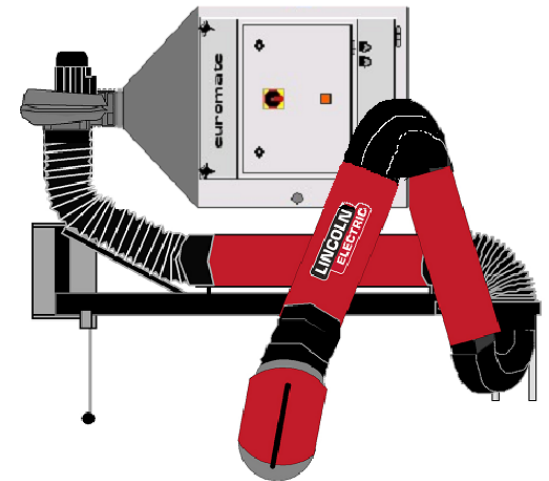
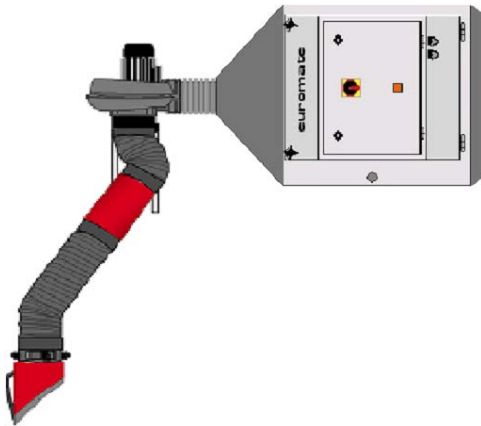
Statiflex 300 1E configuration

Electrostatic Filter System

LFA 2.0 - LTA 2.0

LFA 3.0 - 3.1 - 4.0 - 4.1
LFA 4.1 Low ceiling

Extension Crane
5 to 8 meters

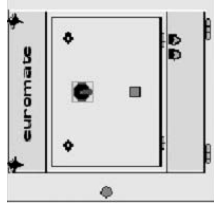


Select arm type

Back

Statiflex 300-1E

filtered LFA 2.0 - LTA 2.0 System



Airflow left-right:

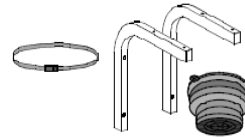
230V/1ph/50Hz EM7940040700
400V/3ph/50Hz EM7940042700

Airflow right-left:

230V/1ph/50Hz EM7940140700
400V/3ph/50Hz EM7940142700



SF 2400 115V/1ph/50Hz EM7905220720
SF 2400 230V/1ph/50Hz EM7905220710
SF 2400 230V/3ph/50Hz EM7905220750
SF 2400 400V/3ph/50Hz EM7905220740



NCF connection flange Ø 160 - 200 mm,
incl. sealing and connection material.
EM7940201010

TMB Wall mounting bracket for installation
of a fan on an extraction arm or extension
crane. Including COK and hose clamp.
EM7915302700



LTA 2.0 Telescopic arm 1 to 2 meter.
Ø 203 mm with rotatable hood, throttle
valve and DeBlock balance system.
EM7925260180



LFA 2.0 Flexible arm Ø 203 mm with
rotatable hood
throttle valve and DeBlock balance
system. Supplied including
connection flange NCF.
EM7925270180

Technical Specifications:

Fan : 0.75kW

Extraction volume : max 1250m³ at the hood

Filter efficiency: up to 99%, max 2500m³/hr

Filter surface: 14.2m² electrostatic

Can be used with oil treated steel



RP 160-25 Connection piece SF 2400 to RP 315-25
EM0717030160

Adapter 315 Adapter RP 160-25 and RP 315-25
EM0717210120

RP 315-25 Connecting piece Statiflex 300-1E to ducting
Ø 315 mm EM0717030040

Options
Start/Stop
Worklight

Back

Statiflex 300-1E

filtered LFA 2.0 - LTA 2.0 System

Options:



Standard Start / Stop

MPS for SF2400

115V/1ph/50Hz >> 10 - 16 A >> EM0328270200

230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

230V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

400V/3ph/50Hz >> 1.6 - 2.5 A >> EM0328270160

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:

CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 0.75kW

Extractionvolume :max 1250m³ at the hood

Filterefficiency: up to 99%, max 2500m³/hr

Filtersurface: 14.2m² electrostatic

Can be used with oil treated steel

Selection table NRT for SF2400

115V/1ph/50Hz >> 10 - 14 A >> EM0328400160

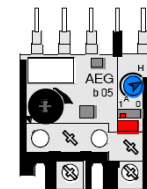
230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

230V/3ph/50Hz >> 3.1 - 4.7 A >> EM0328400120

400V/3ph/50Hz >> 1.7 - 2.4 A >> EM0328400090



CB



NTR

Back

Statiflex 300-1E

filtered

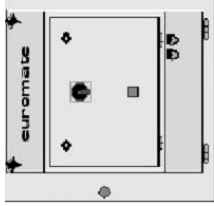
LFA 3.0 - 3.1 - 4.0 - 4.1
LFA 4.1 Low ceiling

Airflow left-right:

230V/1ph/50Hz EM7940040700
400V/3ph/50Hz EM7940042700

Airflow right-left:

230V/1ph/50Hz EM7940140700
400V/3ph/50Hz EM7940142700

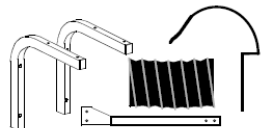


SF 2400 115V/1ph/50Hz EM7905220720
SF 2400 230V/1ph/50Hz EM7905220710
SF 2400 230V/3ph/50Hz EM7905220750
SF 2400 400V/3ph/50Hz EM7905220740

Flexible suction arms, Ø203mm, with rotatable hood and valve.

LFA3.0 , 3 meters deblock - EM7925160180
LFA4.0 , 4 meters deblock - EM7925210180
LFA3.1 , 3 meters balancer - EM7925170180
LFA4.1 , 4 meters balancer - EM7925220180

LMB Wall mounting bracket for installation of a fan on and a LFA 3.0/3.1/4.0/4.1 extraction arm
Only for LFA 3.0/3.1/4.0/4.1
EM7915301700



Technical Specifications:

Fan : 0.75kW

Extraction volume : max 1250m³ at the hood

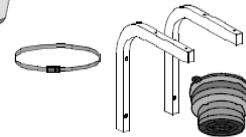
Filter efficiency: up to 99%, max 2500m³/hr

Filter surface: 14.2m² electrostatic

Can be used with oil treated steel



LFA4.1, 4 meters Low Ceiling - EM7925220180



TMB Wall mounting bracket for installation of a fan on an LFA 4.1 Low ceiling arm
Only suitable for LFA 4.1 low ceiling
EM7915302700



NCF connection flange Ø 160 - 200 mm, incl. sealing and connection material.
EM7940201010

RP 160-25 Connection piece SF 2400 to RP 315-25
EM0717030160

Adapter 315 Adapter RP 160-25 and RP 315-25
EM0717210120

RP 315-25 Connecting piece Statiflex 300-1E to ducting
Ø 315 mm EM0717030040

Options
Start/Stop
Worklight

Back

Statiflex 300-1E

filtered **LFA 3.0 - 3.1 - 4.0 - 4.1**
LFA 4.1 Low ceiling

Options:



Standard Start / Stop

MPS for SF1400

115V/1ph/50Hz >> 6.3 - 10 A >> EM0328270200

230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328270180

230V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

400V/3ph/50Hz >> 1.0 - 1.6 A >> EM0328270150

Worklight with Start/Stop Switch:



CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11 meter EM9850031070

WL Worklight EM7900010140

Worklight with automatic Start/Stop:

CB control box EM7900020310

NTR thermal relay >> Select form table right >>

NCW cable 11meter EM9850031070

WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 0.75kW

Extractionvolume :max 1250m³ at the hood

Filterefficiency: up to 99%, max 2500m³/hr

Filtersurface: 14.2m² electrostatic

Can be used with oil treated steel

Selection table NRT for SF1400

115V/1ph/50Hz >> 7.5 -10.5A >> EM0328400150

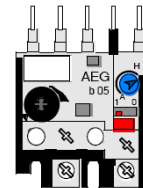
230V/1ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

230V/3ph/50Hz >> 2.2 - 3.2 A >> EM0328400110

400V/3ph/50Hz >> 1.4 - 2.0 A >> EM0328400100



CB



NTR

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Statiflex 300-1E

filtered

Extension Crane 5 to 8 meters

Airflow left-right:

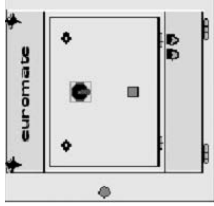
230V/1ph/50Hz EM7940040700

400V/3ph/50Hz EM7940042700

Airflow right-left:

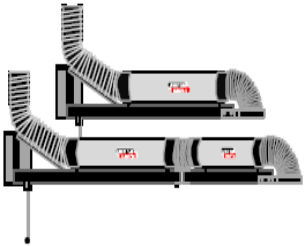
230V/1ph/50Hz EM7940140700

400V/3ph/50Hz EM7940142700



EC 2 extension Crane Ø 203 mm with HandyStop. To be used in combination with LFA 3.0/4.0/3.1/4.1.

Extends total length to 2 meters + LFA
EM7920122700



Extension kit EC 4.

Only to be used in combination with EC 2.

Extends total length to 4 meters + LFA
EM9830401700

Flexible suction arms, Ø203mm,
with rotatable hood and valve.

LFA3.0 , 3 meters deblock - EM7925160180

LFA4.0 , 4 meters deblock - EM7925210180

LFA3.1 , 3 meters balancer - EM7925170180

LFA4.1 , 4 meters balancer - EM7925220180



SF 4200 230V/3ph/50Hz EM7906010010

SF 4200 400V/3ph/50Hz EM7906010050

Technical Specifications:

Fan : 1.5kW

Extraction volume : max 1250m³ at the hood

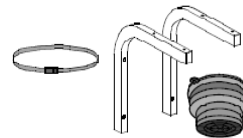
Filter efficiency: up to 99%, max 2500m³/hr

Filter surface: 14.2m² electrostatic

Can be used with oil treated steel



NCF connection flange Ø 160 - 200 mm,
incl. sealing and connection material.
EM7940201010



TMB Wall mounting bracket for installation
of a fan on an extraction arm or extension
crane. Including COK and hose clamp.
EM7915302700

RP 160-25 Connection piece SF 2400 to RP 315-25
EM0717030160

Adapter 315 Adapter RP 160-25 and RP 315-25
EM0717210120

RP 315-25 Connecting piece Statiflex 300-1E to ducting
Ø 315 mm EM0717030040

Options
Start/Stop
Worklight

Back

Statiflex 300-1E





Filtered **Extension Crane**
5 to 8 meters

Options:







Standard Start / Stop
MPS for SF4200
230V/3ph/50Hz >> 4.0 - 6.3 A >> EM0328270180
400V/3ph/50Hz >> 2.5 - 4.0 A >> EM0328270170

Worklight with Start/Stop Switch:

 CB control box EM7900020310
 NTR thermal relay >> Select form table right >>
 NCW cable 11 meter EM9850031070
 WL Worklight EM7900010140

Worklight with automatic Start/Stop:

 CB control box EM7900020310
 NTR thermal relay >> Select form table right >>
 NCW cable 11meter EM9850031070
 WL Worklight + AST EM7900010200

Technical Specifications:

Fan : 1.5kW

Extractionvolume :max 1250m³ at the hood

Filterefficiency: up to 99%, max 2500m³/hr

Filtersurface: 14.2m² electrostatic

Can be used with oil treated steel

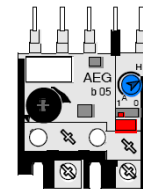
Selection table NRT for SF4200

230V/3ph/50Hz >> 4.0 - 6.3 A >> EM0328400130

400V/3ph/50Hz >> 3.0 - 4.7 A >> EM0328400120



CB



NTR

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DownDraft Workbench

The DownDraft system is intended to be used for the following applications:

- MIG-MAG welding
- TIG welding
- Stick welding
- Grinding
- Cutting (max. 50 A)
- Polishing

Do **not** use the DownDraft for the following applications or in the following circumstances:

- arc-air gouging
- oil mist
- heavy oil mist in welding fume
- extraction of aggressive fumes and gases (e.g. from acids, alkaline, from soldering paste containing lithium)
- extraction of hot gases (more than 45°C continuously)
- grinding aluminum and magnesium
- flame spraying
- extraction of cement, saw dust, wood dust etc.
- sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids
- explosive environments or explosive substances/gases



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DownDraft

Unfiltered



Filtered

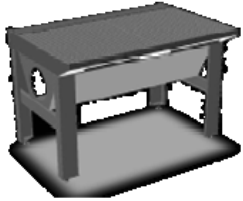


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DownDraft 100NF

Workbench with 3-stage spark arrester, to be connected to a central extraction/filter system.



Workbench with 3-stage spark arrester, to be connected to a central extraction/filter system.

EM7204700700

Choose either a backpanel or Backdraft kit

Back panel NOT possible with backdraft kit.

EM0040200010

Backdraft kit NOT possible with back panel.

EM0040200020

Side panels ONLY possible with back panel or backdraft kit.

EM0040200030

Polishing work grid

EM0040400010

Plasma cutting work grid NOT possible with bench vice mounting bracket.

EM0040400020

Working light

EM0040300010

Bench vice mounting bracket NOT possible with plasma cutting work grid.

EM0040400030

Wheelset

EM0040400040

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DownDraft Filtered

DownDraft 200-M
Disposable Filter



DownDraft 400-MS(/A)
Self Cleaning Filter



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DownDraft 200-M Disposable Filter

Workbench with integrated extraction fan, 3-stage spark arrester and disposable filter cartridges. Suitable for light to medium duty applications.

DownDraft 200-M manual self cleaning filter 400V/3~/50Hz	EM7234700700
Back panel NOT possible with backdraft kit.	EM0040200010
Backdraft kit NOT possible with back panel.	EM0040200020
Side panels ONLY possible with back panel or backdraft kit.	EM0040200030
Polishing work grid	EM0040400010
Plasma cutting work grid NOT possible with bench vice mounting bracket.	EM0040400020
HEPA kit	EM0040000010
Silencer/Outlet duct Recommended option in case of recirculation.	EM0040100010
Outlet connection flange NOT possible with silencer/outlet duct.	EM0040100020
Working light ONLY possible with back panel or backdraft kit.	EM0040300010
Bench vice mounting bracket NOT possible with plasma cutting work grid.	EM0040400030
Wheelset	EM0040400040
Dust free kit	EM0040500010

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DownDraft 400-MS (I/A) Self cleaning filter



Workbench with integrated extraction fan, 3-stage spark arrester and self-cleaning filter cartridges.

The Magnehelic (pressure) gauge on the control panel indicates when the automatic filter cleaning systems needs to be switched on.

The filter cartridges are cleaned from the inside by compressed airshots.

Suitable for medium to heavy duty applications.

DownDraft 400-MS manual self cleaning filter 400V/3~/50Hz EM7234700700

DownDraft 400-MS/A automatic self cleaning filter 400V/3~/50Hz EM7244700700

Back panel NOT possible with backdraft kit. EM0040200010

Backdraft kit NOT possible with back panel. EM0040200020

Side panels ONLY possible with back panel or backdraft kit. EM0040200030

Polishing work grid EM0040400010

Plasma cutting work grid NOT possible with bench vice mounting bracket. EM0040400020

HEPA kit EM0040000010

Silencer/Outlet duct Recommended option in case of recirculation. EM0040100010

Outlet connection flange NOT possible with silencer/outlet duct. EM0040100020

Working light ONLY possible with back panel or backdraft kit. EM0040300010

Bench vice mounting bracket NOT possible with plasma cutting work grid. EM0040400030

Wheelset EM0040400040

Dust free kit EM0040500010

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Examples Central Systems

Multiple welder systems

Diluter



Oil treated steel



Lincoln Diluter System

Central filter system with a capacity of max. 9.000 m³/h.

Prevents accumulation of welding fume by continuous filtration of polluted air.

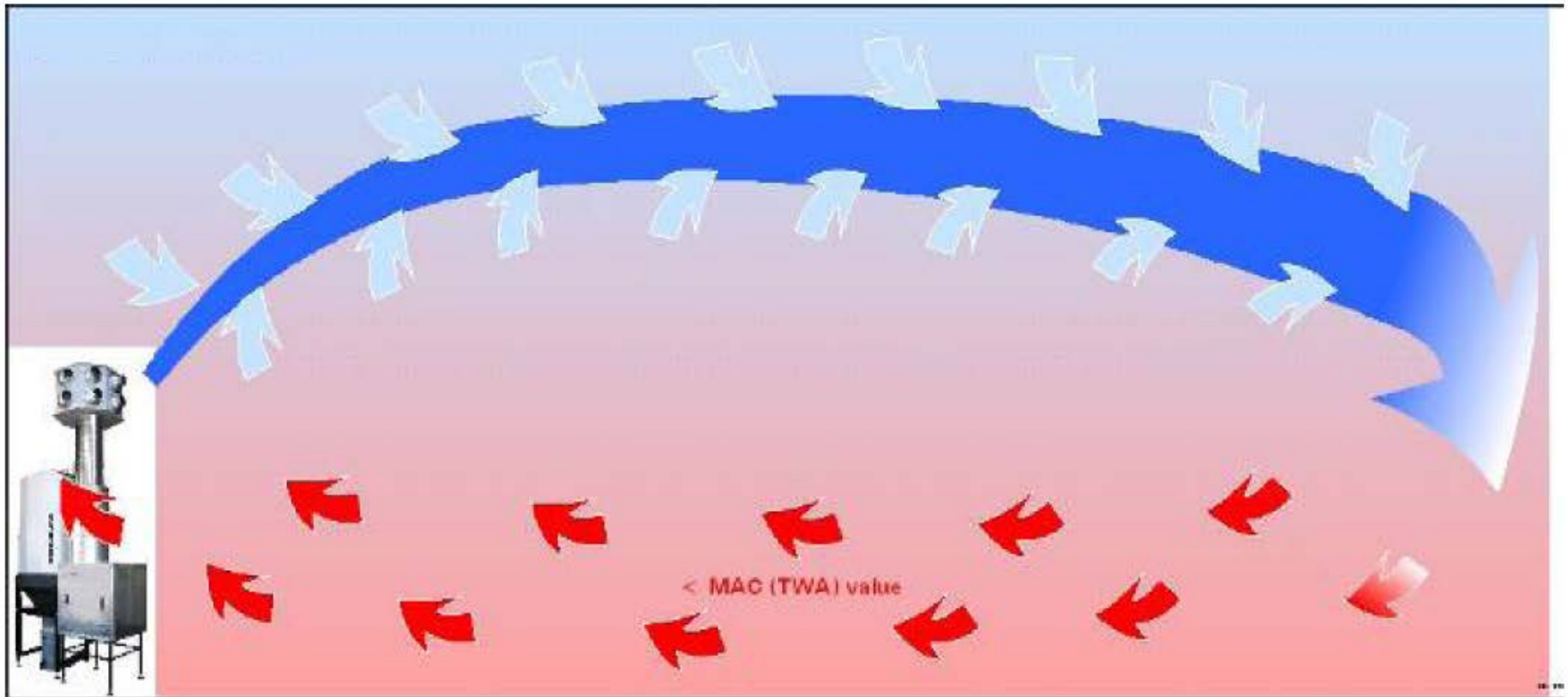
Keeps the background concentration of welding fume below the legally prescribed level.

Optimizes the disposal of welding fume by existing (natural) and forced ventilation.

No ducting required.

Volume of air in motion: 198.000 m³/h

Throw: max. 50 m



Lincoln Statiflex systems

Two options for multioperator fume extraction systems:

Oil treated material: Combination of Statiflex 300-2E Electrostatic filter

Non-Oil treated material: Statiflex 6000 MS, with m150m² filter cardrige and automatic cleaning.

Fan control, availalble options, start stop & number of welders depend on the setup.

Lincoln Push Pull Systems

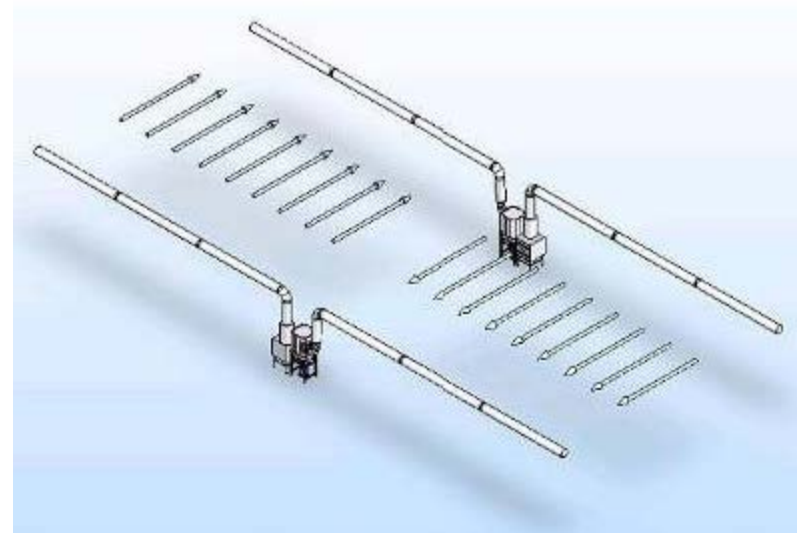
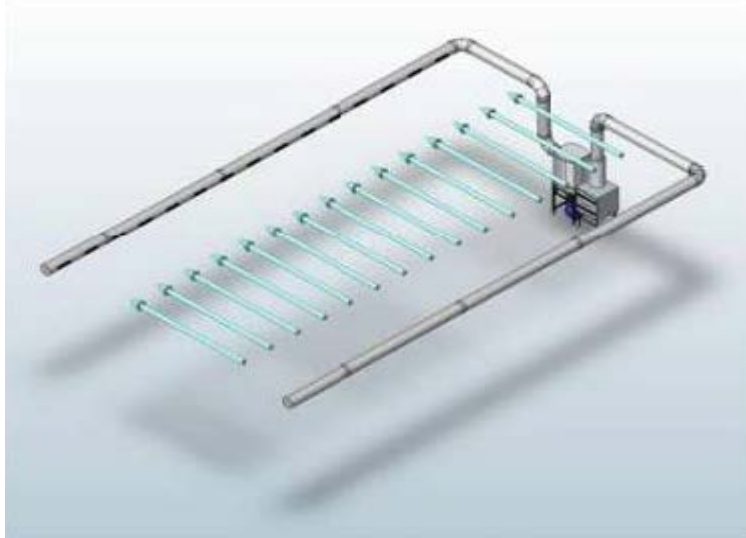
A push-pull system is a method of general filtration meant to prevent accumulation of welding fume in a workshop. It consists of ductwork provided with grids, one or two fans and one or two filter systems. The ductwork is installed at the height of the welding fume layer (4-6 m).

In this way the welding zone is "enclosed" by the ducting. At one side of the ductwork the air is extracted ("pull") by the grids, filtered and blown out ("push") through the fan by way of the grids of the outlet duct. In this way a continuous air circulation is generated.

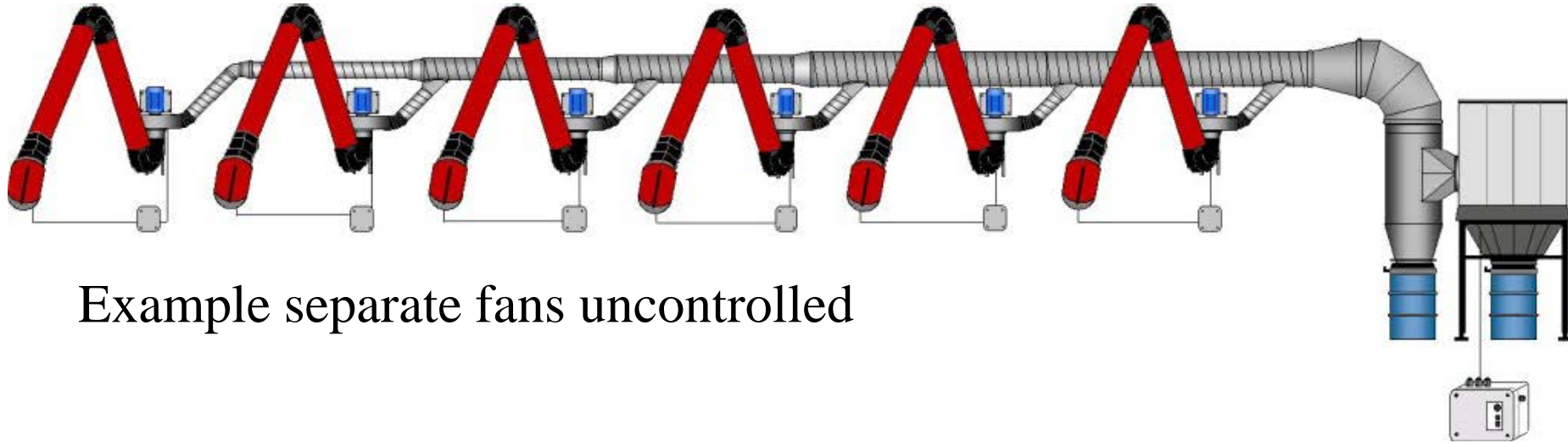
The welding fume is constantly and efficiently removed and the background concentration of welding fume in the facility stays below the legally prescribed level.

A push-pull system can be installed as a U system or as a parallel system.

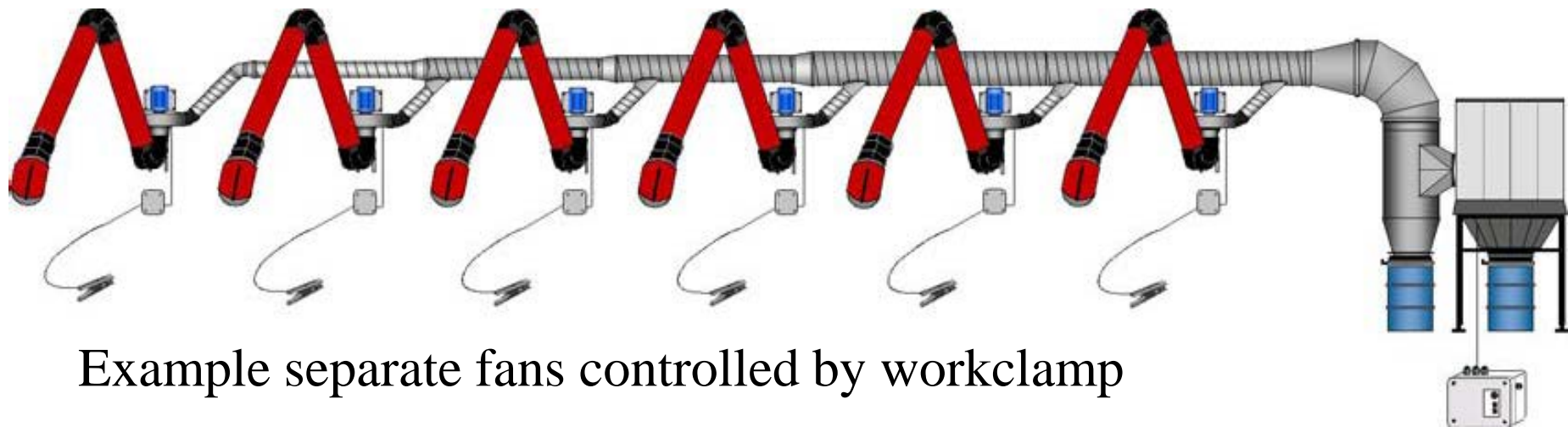
A combination of systems might be required to cover the entire welding zone within the facility.



Lincoln Statiflex 6000 MS system

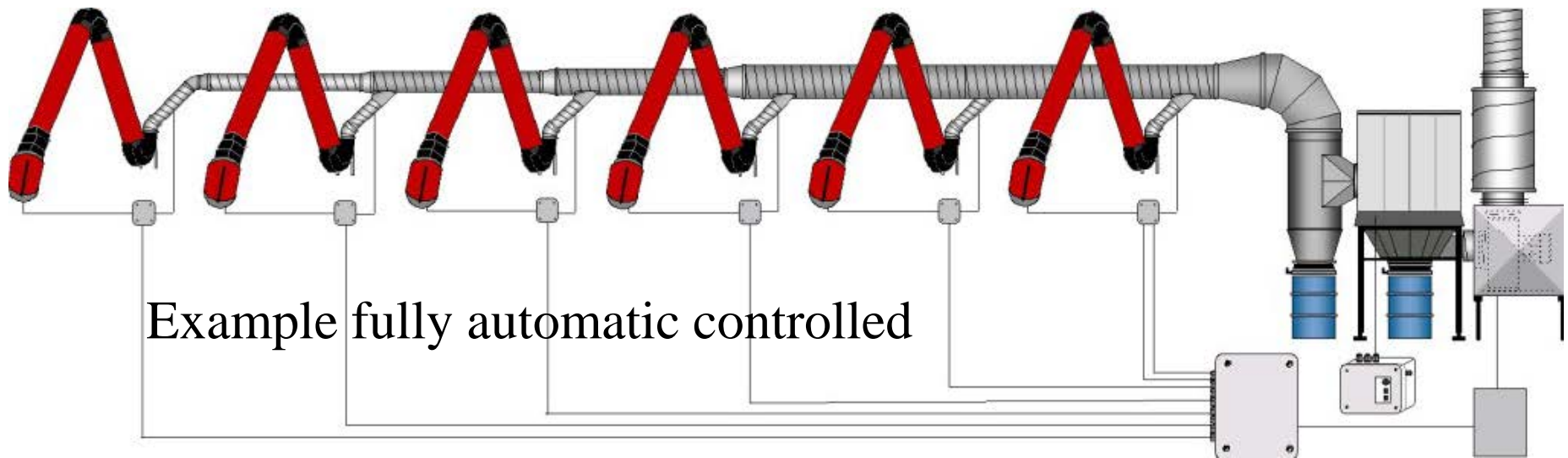
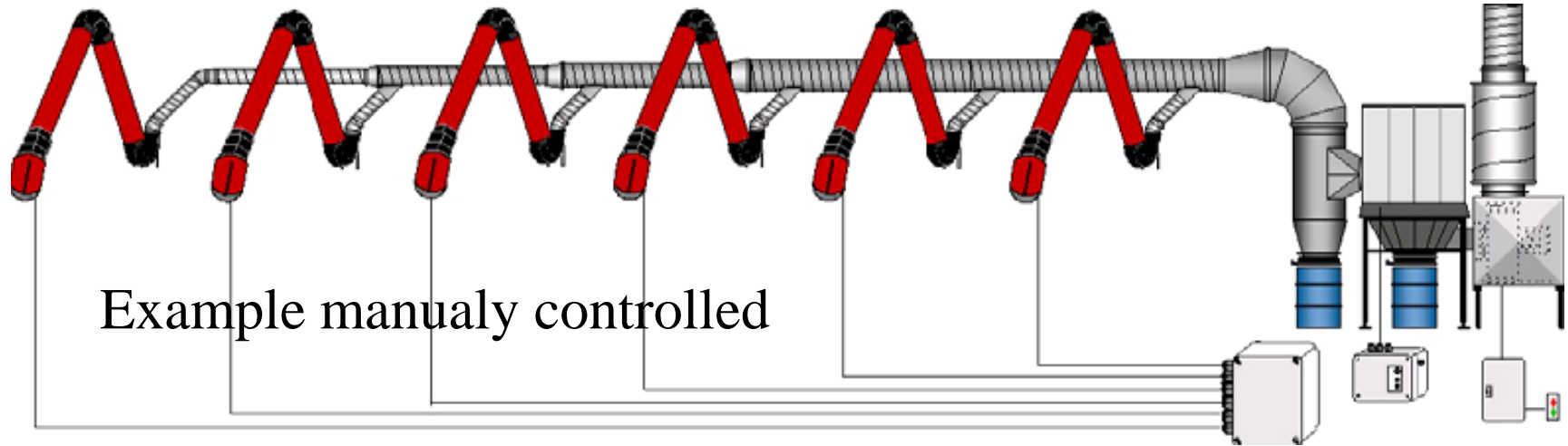


Example separate fans uncontrolled



Example separate fans controlled by workclamp

Lincoln Statiflex 6000 MS system



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Filter selection



			Annual consumption of welding wire per workplace	
	Welding of oil-treated metal	TIG welding	<ul style="list-style-type: none"> • MIG/MAG solid wire < 700 kg • MIG/MAG flux cored wire < 500 kg • rutile electrodes < 500 kg • basic electrodes < 500 kg 	<ul style="list-style-type: none"> • MIG/MAG solid wire > 700 kg • MIG/MAG flux cored wire > 500 kg • rutile electrodes > 500 kg • basic electrodes > 500 kg
Stationary	Statiflex 300-1E	Statiflex 200-M	Statiflex 200-M	Statiflex 400-MS
Mobile	Mobiflex 300-E	Mobiflex 200-M	Mobiflex 200-M	Mobiflex 400-MS
Central	Statiflex 300-2E	Statiflex 6000-MS	Statiflex 6000-MS	Statiflex 6000-MS

Selection central fan

Extraction volume per arm:

approx. 1000 m³/h

Extraction arms without automatic dampers

LTA 2.0	LFA 3.0/3.1	LFA 3.0/3.1/4.0/4.1 + EG 2
LFA 2.0	LFA 4.0/4.1/4.1-LG	LFA 3.0/3.1/4.0/4.1 + EG 4

Systems without filter

SF 5500	3-4	3-4	3-4
SF 8000	4-6	4-6	4-6
SF 12000	10	10	10
SF 15000	14	14	14

Selection central fan

Extraction volume per arm:

approx. 1000 m³/h

Extraction arms without automatic dampers

LTA 2.0	LFA 3.0/3.1	LFA 3.0/3.1/4.0/4.1 + EG 2
LFA 2.0	LFA 4.0/4.1/4.1-LG	LFA 3.0/3.1/4.0/4.1 + EG 4

Systems with filter; exhaust to atmosphere				
2x SF 2400 2x SF 4200	Statiflex 300-1E	2	2	2
SF 8000	Statiflex 300-2E	5	5	5
	Statiflex 300-3E			
SF 12000	Statiflex 6000-MS	6-7	6-7	6-7
SF 15000	Statiflex 6000-MS	6-7	6-7	6-7

Selection central fan

Extraction volume per arm:

approx. 1000 m³/h

Extraction arms without automatic dampers

LTA 2.0	LFA 3.0/3.1	LFA 3.0/3.1/4.0/4.1 + EG 2
LFA 2.0	LFA 4.0/4.1/4.1-LG	LFA 3.0/3.1/4.0/4.1 + EG 4

Systems with filter; recirculation

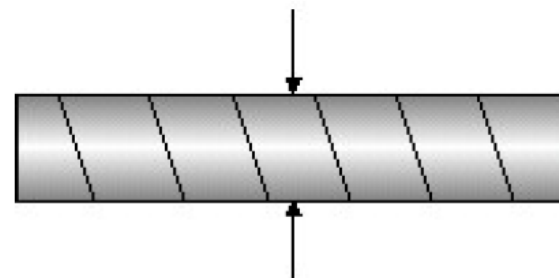
SF 5500	Statiflex 300-1E	Not recommended		
SF 8000	Statiflex 300-2E			
	Statiflex 300-3E			
SF 12000	Statiflex 6000-MS	6-7	6-7	6-7
SF 15000	Statiflex 6000-MS	6-7	6-7	6-7

Selection multiple arm system with Statiflex 6000-MS

Concept	1		2	3		4	
	AST	WCS		AST	WCS	AST	WCS
Characteristics:							
Max. number of arms	15	15	8	15	15	15	15
Sturdiness	++	+++	+++	++	+++	++	+++
Working light	standard	option	option	standard	option	standard	option
TIG	-	+++	+++	-	+++	-	+++
Extraction	individual fans		central fan	central fan		central fan	
Control	+++		+	++		+++	
Sound level	++		+	++		+++	
Energy-saving	+++		+	++		+++	
Flexibility	+++		+	++		++	
Installation cost	++		+++	+		+	

Indication duct diameter

Duct diameter	Extraction arm no.
Ø 160 mm	0
Ø 200 mm	1
Ø 250 mm	2
Ø 315 mm	3-4
Ø 400 mm	4-7
Ø 500 mm	7-10
Ø 630 mm	10-15



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LOW VACUUM

SUS 5/203

LFA 3.0/4.0

LFA 3.1/4.1

LFA 4.1-LC

LFA 2.0

LTA 2.0

HIGH VACUUM

SUS 5/160

EN 20

EN 40

NKT

NKC

Mobiflex 100-NF

EC 2

EC 4

LMB

TMB

TMB

SF 12000/15000

SF 2400

SF 4200

SF 2400

SF 1400

Mobiflex 200-M

Mobiflex 400-MS

Mobiflex 300-E

Miniflex

Statiflex 6000-MS

Statiflex 200-M

Statiflex 400-MS

Statiflex 300-1E/2E

Statiflex 300-E

Statiflex 300-M

Statiflex 300-1E/1M

HCH 45

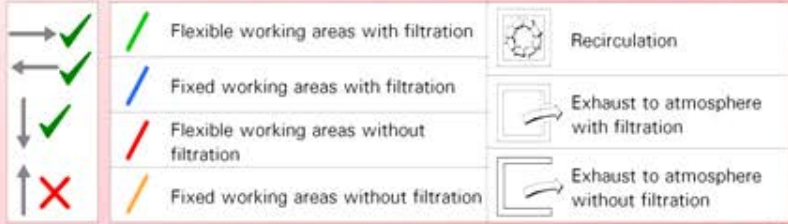
H2,5/45

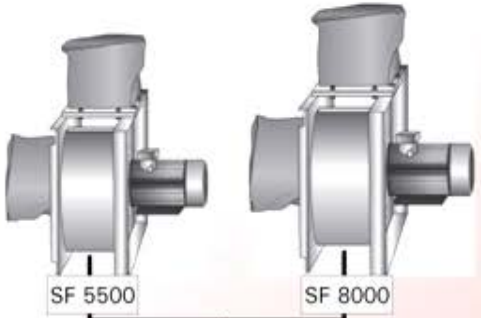
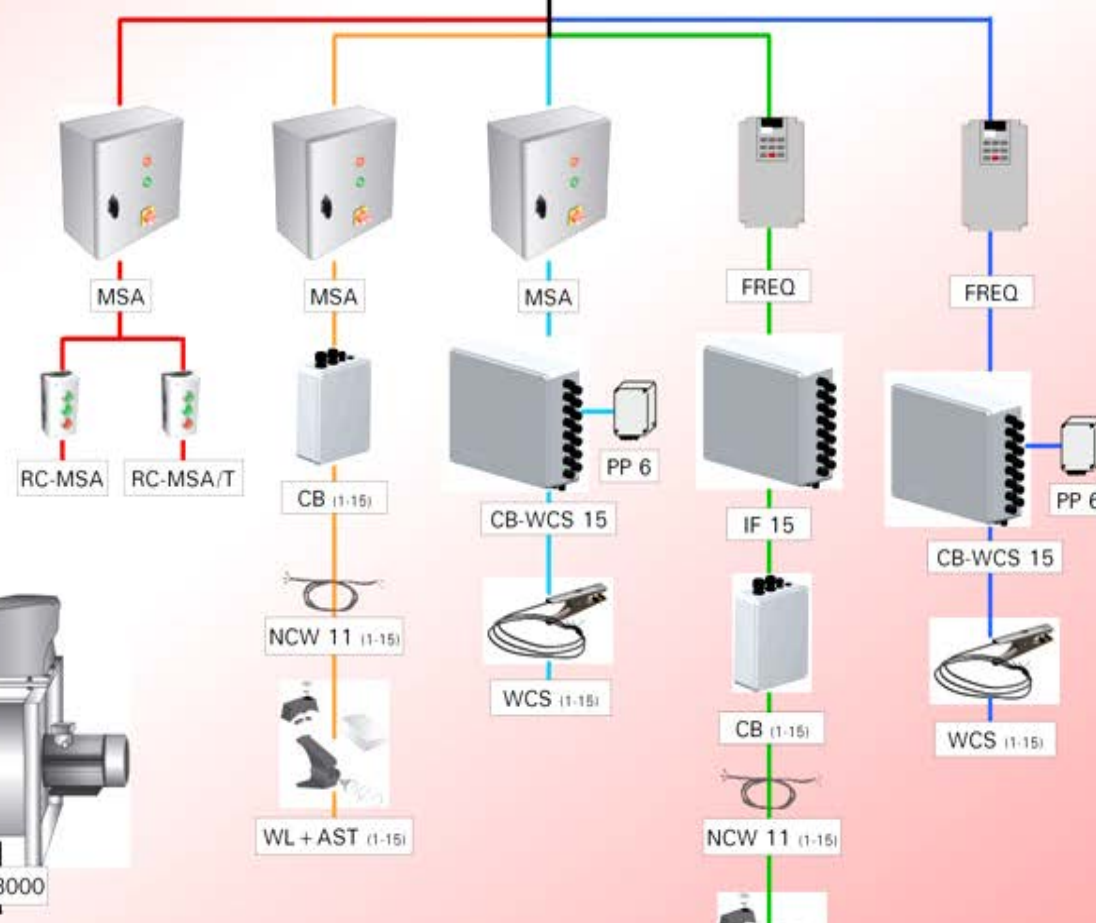
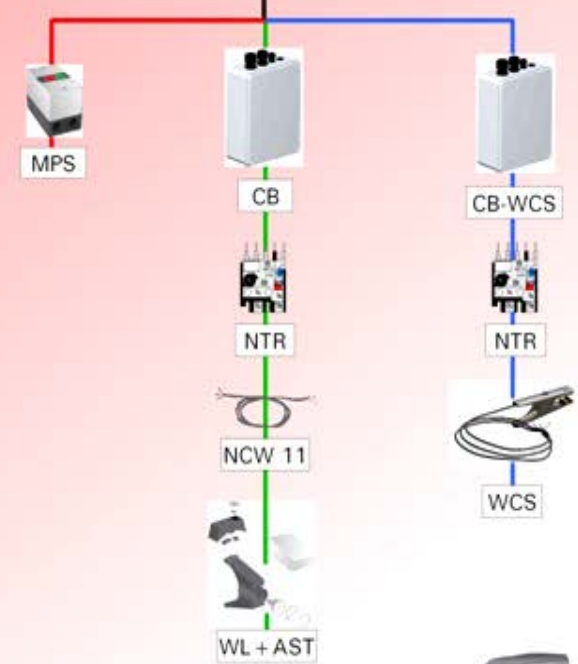
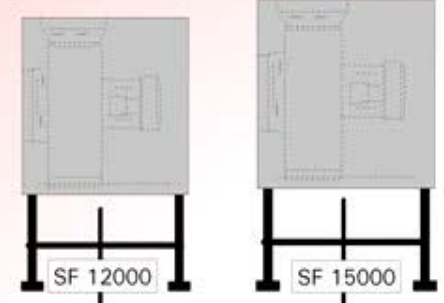
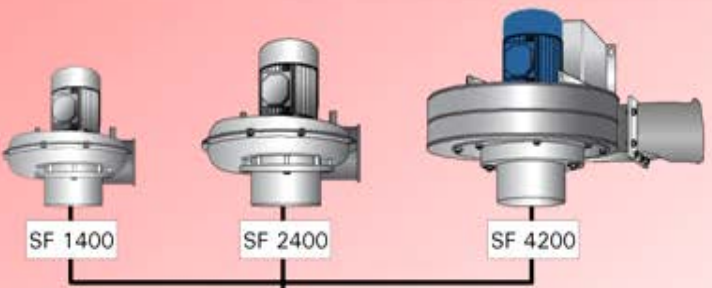
H5,0/45

PSC



Pro Source welding fume extraction range





	General
	Uncontrolled/manual
	Semi-controlled/AST
	Semi-controlled/WCS
	Fully controlled/AST
	Fully controlled/WCS

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Examples



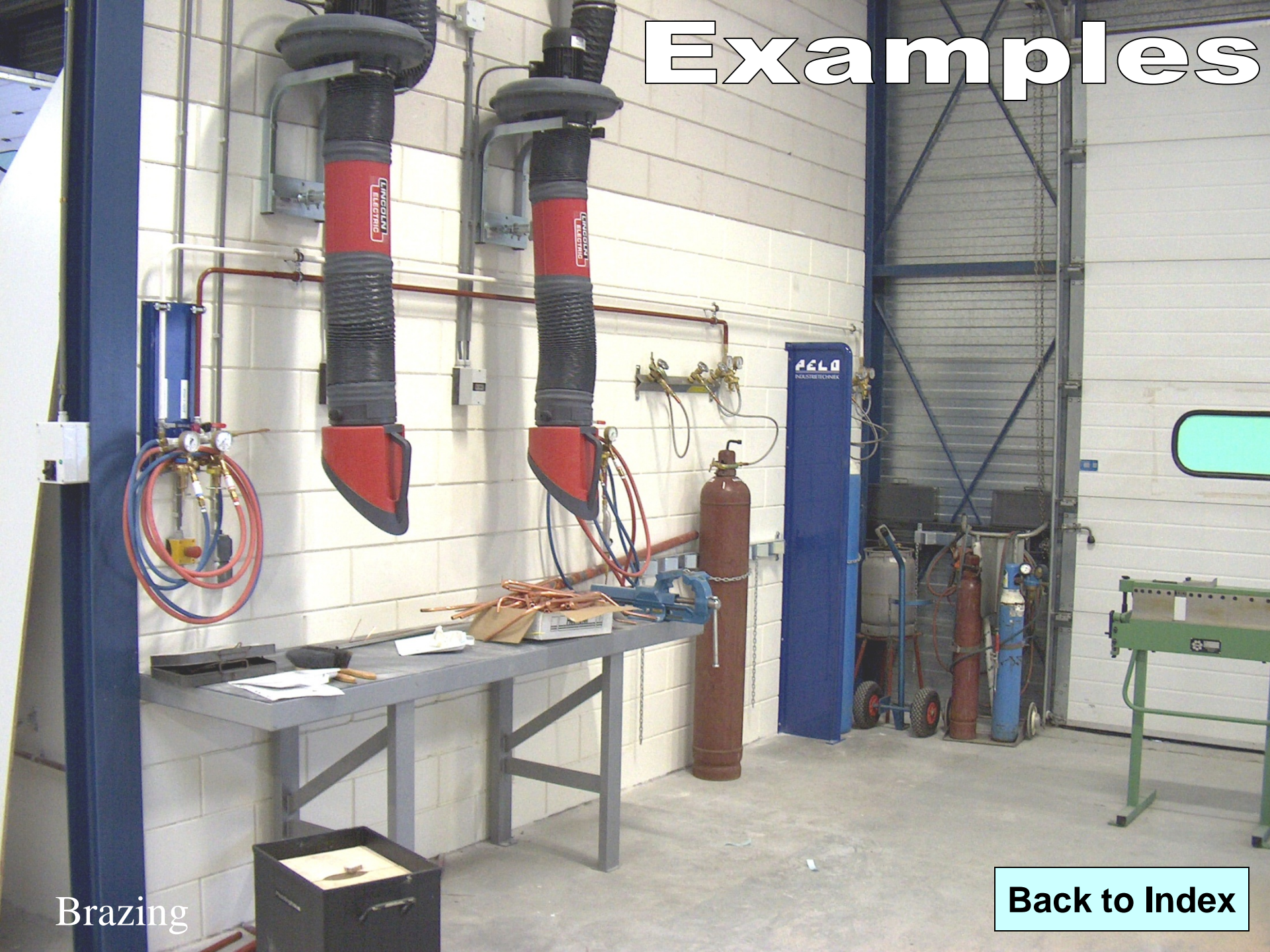
Spot extraction

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Examples

Brazing

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Examples



Central Fan controlled system

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Examples



Push Pull system

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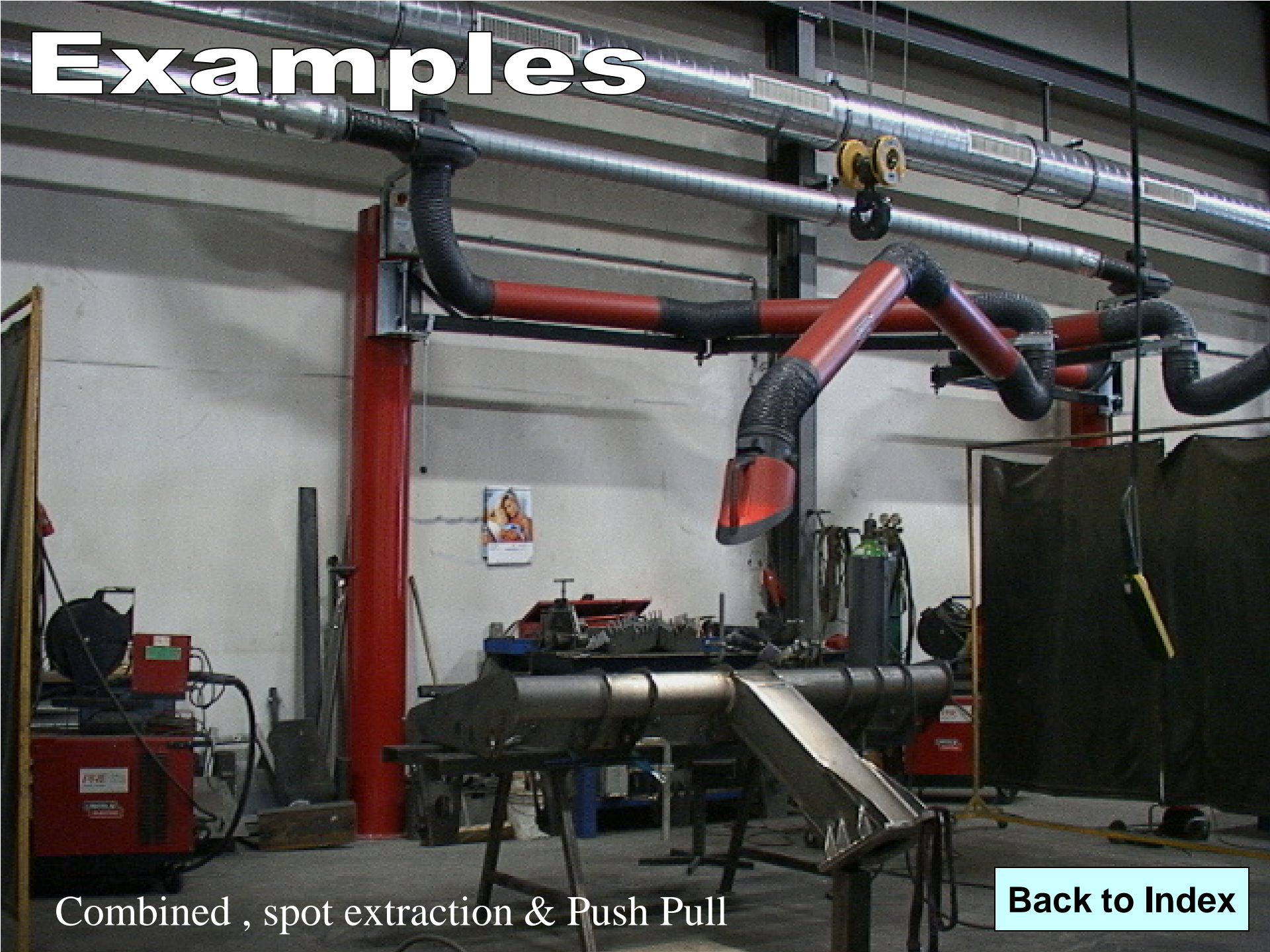
Examples



Push Pull system

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Examples



Combined , spot extraction & Push Pull

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Examples



High Vacuum , Shipbuilding

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Examples



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