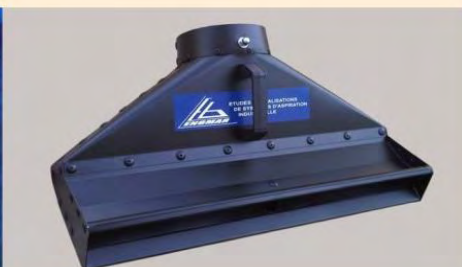
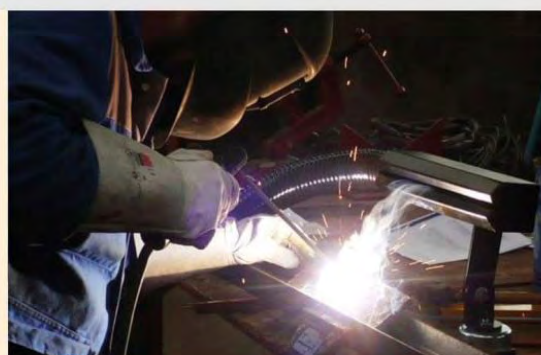




CATALOGUE



DESIGN AND PRODUCTION OF INDUSTRIAL EXTRACTION SYSTEMS

French Manufacture



Edition 2014

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- **Welding fumes extraction at the point of emission. (HIGH VACCUM)**
- **Extraction at the workstation. (LOW VACCUM)**

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EXTRACTION TORCH SPECIFICATIONS

Our torches are compliant with the following harmonized standards: EN60974-1 (low voltage) and EN61000-6-2 & EN61000-6-4 (electromagnetic compatibility). The table below shows the features of each torch for CO₂ standard process welding. These features shall be reduced by 15% to 20% for Argon/CO₂ welding and 35% in pulse mode.

Cooling	Head type	Torch model	Power	Duty ratio (CO ₂)	Recommended wire Ø	Suction pipe Ø
AIR	15	SL 150	170 A	60%	6 – 8 – 10/10	Ø40 mm
	18	SL 180	170 A	60%	6 – 8 – 10/10	Ø40 mm
	15	SL 210	220 A	60%	8 – 10 – 12/10	Ø40 mm
	18	SL 220	220 A	60%	8 – 10 – 12/10	Ø40 mm
	25	SL 250	220 A	60%	8 – 10 – 12/10	Ø40 mm
	35	SL 350	300 A	60%	10 – 12 – 16/10	Ø40 mm
WATER	35	SRM 380	380 A	100%	10 – 12 – 16/10	Ø40/50 mm
	40	SRM 450	450 A	100%	10 – 12 – 16/10	Ø40/50 mm

The SL (AIR) series torches are fitted with a leather protection over the entire length of the cable assembly.










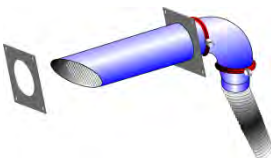
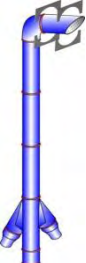
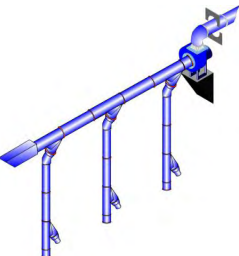
The SRM (WATER) series torches include two leather protections.

Every torch is mounted with a particularly flexible and ergonomic cable assembly (Ø40) on the handle side (1400 mm length) and a reinforced covered cable assembly (Ø40) on the rear part of the torch. This second cable assembly length changes to Ø50 on 380A torches and over.

EXAMPLE OF A REFERENCE: **REF. SRMG 38 40 50 – 45 (R)**

Code	Designation
S	Refers to the handle model S: torch with a new ergonomic handle
RM	Refers to the type of hose and swan neck cooling L: braided air cooled hose with air cooled swan neck RM: multi-strand water cooled hose with water cooled swan neck
G	Refers to the type of fume shroud S: Standard or space saving fume shroud G: Heavy-duty fume shroud P: High performance fume shroud
38	Refers to the type of torch according to the head and the amperage 15 : 150A 18 : 180A 21 : 210A 25 : 250A 35 : 350A 38 : 380A 40 : 400A
40	Refers to the length of the torch 30 : 3 meters 40 : 4 meters 50 : 5 meters
50	Refers to the diameter of the outer torch tube 30 : Ø30 tube 40 : Ø40 tube 50 : Ø40 tube, then Ø50 tube (high throughput kit)
45	Supplementary code indicating the swan neck angle 30 : 30° angle 45 : 45° angle 60 : 60° angle If this code is not indicated, our torches are mounted with 50° swan necks
R	Supplementary code indicating the version with swan neck extension of 50mm

FROM EXTRACTION TO DISCHARGE

APPLICATION	<p><i>MIG/MAG welding</i></p>	<p><i>TIG welding Electrode welding MIG/MAG welding Various emissions, vapors, etc.</i></p>	<p><i>Workstation cleaning Floor cleaning</i></p>
EXTRACTION	 <p>Extraction torches</p>	 <p>Extraction slit nozzles</p>	 <p>Cleaning kits</p>
ACCESSORIES	 <p>Swing arms</p>	 <p>Jib cranes</p>	 <p>Cyclone cleaners</p>
EXTRACTION UNITS	 <p>Extraction units with external discharge</p>		 <p>Absolute filter units</p> 
EXHAUSTS	 <p>Kits EV2230</p>  <p>Stacks</p>  <p>Ductworks</p>		<p>Central high-vacuum extraction units including ductwork, filter and discharge</p>

CAPTURE SOLUTIONS ON WORKSTATION LEVEL

APPLICATION	<p><i>MIG/MAG welding</i> <i>TIG welding</i> <i>Electrode welding</i></p> <p><i>Grinding, cutting,</i> <i>Various emissions, vapors, etc.</i></p>
CAPTURE	<div data-bbox="312 725 603 904"></div> <p data-bbox="320 943 576 965">Extraction slit nozzles</p> <div data-bbox="628 680 1126 965"></div> <p data-bbox="794 987 979 1010">Extraction hood</p> <div data-bbox="1145 696 1506 1111"></div> <p data-bbox="1270 1160 1465 1182">Extraction tables</p> <div data-bbox="320 987 772 1357"></div> <p data-bbox="512 1379 692 1402">Extraction arms</p> <div data-bbox="847 1088 1187 1352"></div> <p data-bbox="890 1379 1235 1402">Extraction arm with slit nozzle</p>
EXHAUSTS	<div data-bbox="320 1509 756 1856"></div> <p data-bbox="320 1890 667 1912">Ductworks (individual project)</p> <div data-bbox="788 1621 1059 1845"></div> <p data-bbox="794 1890 1002 1912">Connecting hoses</p> <div data-bbox="1102 1509 1506 1823"></div> <p data-bbox="1177 1890 1347 1912">Extraction fans</p>

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AIR COOLED EXTRACTION TORCHES

SL SERIES

Standard EN60974-7



210A

Long copper gas
nozzle with
insulating insert

SLG210

Heavy-duty fume shroud
with outer tube Ø22

SLP210

High performance fume shroud
with outer tube Ø28

NEW!

Cable assembly AIR 20²

For wire diameter from 8 to 12mm
Rating at 60% duty cycle 220A

250A

Short copper gas
nozzle mounted on
steel gas nozzle
holder

SLS250

Standard fume shroud
with outer tube Ø22

SLG250

Heavy-duty fume shroud
with outer tube Ø28



Also available: Cable assembly 16 mm².
Torch 150/180A – Please refer to global price list

AIR COOLED EXTRACTION TORCHES

SL SERIES

The air cooled extraction torches by ENGMAR for low amperages are mounted on a cable assembly of 20 mm². 2 different gas nozzle systems (see page 6) may be combined with an outer tube of Ø22 for enhanced accessibility or with an outer tube of Ø28 for enhanced extraction.

Length	Reference	Designation	Torch angle Ø22	Ø torch hose	extraction connection Ø
3 meters	SLG213040	Air cooled torch 210A 3 meters	50°	Ø40	Ø60
4 meters	SLG214040	Air cooled torch 210A 4 meters	50°	Ø40	Ø60
5 meters	SLG215040	Air cooled torch 210A 5 meters	50°	Ø40	Ø60

Length	Reference	Designation	Torch angle Ø28	Ø torch hose	extraction connection Ø
3 meters	SLP213040	Air cooled torch 210A 3 meters	50°	Ø40	Ø60
4 meters	SLP214040	Air cooled torch 210A 4 meters	50°	Ø40	Ø60
5 meters	SLP215040	Air cooled torch 210A 5 meters	50°	Ø40	Ø60

Length	Reference	Designation	Torch angle Ø22	Ø torch hose	extraction connection Ø
3 meters	SLS253040	Air cooled torch 250A 3 meters	50°	Ø40	Ø60
4 meters	SLS254040	Air cooled torch 250A 4 meters	50°	Ø40	Ø60
5 meters	SLS255040	Air cooled torch 250A 5 meters	50°	Ø40	Ø60

Length	Reference	Designation	Torch angle Ø28	Ø torch hose	extraction connection Ø
3 meters	SLG253040	Air cooled torch 250A 3 meters	50°	Ø40	Ø60
4 meters	SLG254040	Air cooled torch 250A 4 meters	50°	Ø40	Ø60
5 meters	SLG255040	Air cooled torch 250A 5 meters	50°	Ø40	Ø60

Air cooled torches fitted with full-length leather protection.

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AIR COOLED EXTRACTION TORCHES

SL SERIES

Standard EN60974-7



SLG350

Length	Reference	Designation	Torch angle Ø28	Ø torch hose	extraction connection Ø
3 meters	SLG353040	Air cooled torch 350A 3 meters	50°	Ø40	Ø60
4 meters	SLG354040	Air cooled torch 350A 4 meters	50°	Ø40	Ø60
5 meters	SLG355040	Air cooled torch 350A 5 meters	50°	Ø40	Ø60

Air cooled torches fitted with full-length leather protection.

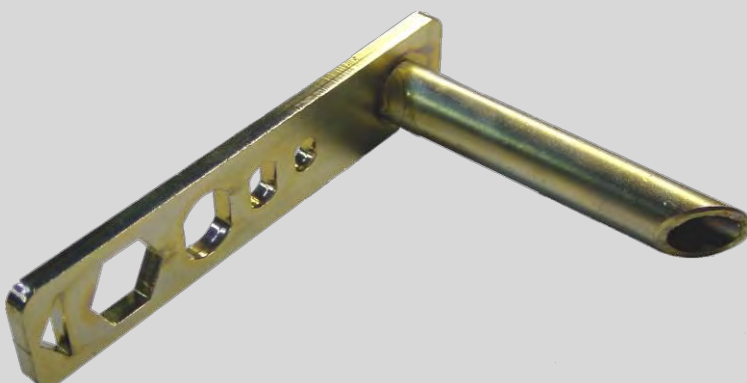
UPON DEMAND: EXTRACTION TORCHES FOR HIGH AMPERAGES 400A and 500A.

ACCESSORIES

REAMER

The reamer allows gas nozzle cleaning without disassembly of the head pieces as well as the replacement and fixation of head pieces with one single tool.

Reference	Designation
330001	Reamer for torches 150 to 250 A
330002	Reamer for torches 300 to 380 A
330003	Reamer for torches 400 to 500 A



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WATER COOLED EXTRACTION TORCH

SRM SERIES

Standard EN60974-7



SRMG350

Length	Reference	Designation	Torch angle	Ø torch hose	extraction connection Ø
3 meters	SRMG353040	Water cooled torch 350A 3m	50°	Ø40	Ø60
4 meters	SRMG354040	Water cooled torch 350A 4m	50°	Ø40	Ø60
5 meters	SRMG355040	Water cooled torch 350A 5m	50°	Ø40	Ø60



SRMG380

Length	Reference	Designation	Torch angle	Ø torch hose	extraction connection Ø
3 meters	SRMG383050-45	Water cooled torch 380A 3m	45°	Ø40/50	Ø60
4 meters	SRMG384050-45	Water cooled torch 380A 4m	45°	Ø40/50	Ø60
5 meters	SRMG385050-45	Water cooled torch 380A 5m	45°	Ø40/50	Ø60



SRMG400

Length	Reference	Designation	Torch angle	Ø torch hose	extraction connection Ø
3 meters	SRMG403050-45	Water cooled torch 400A 3m	45°	Ø40/50	Ø60
4 meters	SRMG404050-45	Water cooled torch 400A 4m	45°	Ø40/50	Ø60
5 meters	SRMG405050-45	Water cooled torch 400A 5m	45°	Ø40/50	Ø60

Water cooled torches fitted with 2 leather protections.

JIB CRANES AND SWING ARMS



**CERTIFIED
JIB CRANES**



Reference	Designation	Range	Max. load
TWINAXE-A-3M	Adjustable jib crane 3m	3m	50 Kg
TWINAXE-A-4M	Adjustable jib crane 4m	4m	50 Kg
TWINAXE-A-5M	Adjustable jib crane 5m	5m	50 Kg
TWINAXE-F-3M	Fixed jib crane 3 meters	3m	50 Kg
TWINAXE-F-4M	Fixed jib crane 4 meters	4m	50 Kg
TWINAXE-F-5M	Fixed jib crane 5 meters	5m	50 Kg



Reference	Designation
EQU21	Swing arm for independent wire feeder
EQU23	Swing arm for integrated wire feeder

EXTRACTION SLIT NOZZLES (HIGH VACCUM)

CHD SERIES

The CHD Extraction slit nozzles are connectable to our high vacuum extraction units for the extraction of electrode or TIG welding fumes mainly.



CHD60300



CHD40150



Reference	Designation
CHD40150	Extraction slit nozzle Ø40, width 150mm (possibility to use 2 nozzles on 1 extraction unit AAT or BBM/BBT/BBTD)
CHD60300	Extraction slit nozzle Ø60 width 300mm (connection of 1 nozzle on 1 extraction unit AAT or BBM/BBT/BBTD)

WORKSTATION CLEANING KITS

KBCN SERIES

The workstation cleaning kits feature an ash tank that can be connected to the ENGMAR high vacuum extraction units, a connecting hose and a brush kit for floor vacuuming.

Reference	Designation
KBCN40	Cyclone cleaner + 5 meters of Ø40 pipe + sleeve + brush kit for floor vacuuming (medium-size particles)
KBCN60	Cyclone cleaner + 5 meters of Ø60 pipe + sleeve + brush kit for floor vacuuming (large-size particles)



KBCN60

MOBILE EXTRACTION UNITS (HIGH VACCUM)

AAT SERIES



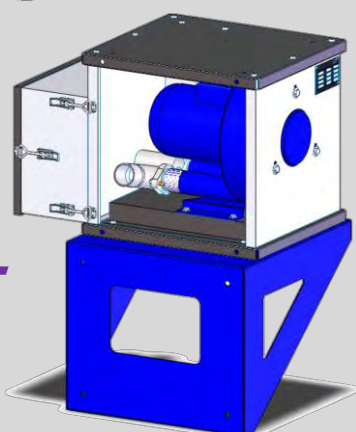
AAT30

The ENGMAR high-vacuum extraction units of AAT series allow the connection of 1 to 2 extraction torches or CHD slit nozzles depending on the model. Their size / performance ratio is particularly convenient. They feature a metal prefilter for the outside discharge of fumes. Their cube shape and resistant structure allow easy installation in various configurations. The terminal box allows to automatically start the extraction based on the arc ignition with a time delay. (Energy saving).



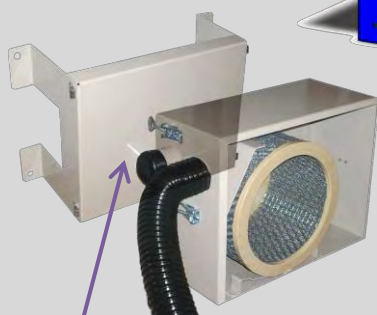
AAOR

Reference	Designation
AAT30	Mobile extraction unit 3 kW with single connector and metal prefilter for connection of 1 torch, 1 slit nozzle CHD60300 or 2 slit nozzles CHD40150
AAT30DE	Mobile extraction unit 3 kW with double connector and metal prefilter for connection of 2 torches, 1 slit nozzle CHD60300 or 2 slit nozzles CHD40150



ENCHAAT

Reference	Designation
AAOR	Wheel trolley for mobile extraction unit AAT
ENCHAAT	Support for wall mounting of extraction unit AAT
ENSCDAAT	Off-set stand for filter box of mobile extraction unit AAT



ENSCDAAT

ON ALL OF THE AAT / BBM / BBTD MOBILE EXTRACTION UNITS, THE TERMINAL BOX ALLOWS STARTIN THE EXTRACTION BASED ON THE ARC IGNITION WITH AN ADJUSTABLE TIME DELAY

= ENERGY SAVING

MOBILE EXTRACTION UNITS (HIGH VACCUM)

BBM SERIES



The ENGMAR BBM high-vacuum extraction units allow the connection of 1 to 2 extraction torches or slit nozzles CHD depending on the model. They feature a metal prefilter and are designed for external discharge of fumes. The extraction units are mounted on a trolley for an easy workplace adaptation and reduction of required floor space. The terminal box allows to automatically start the extraction based on the arc ignition with a time delay. (Energy saving).

Reference	Designation
BBM30	Mobile extraction unit 3,0 kW single connector with metal prefilter for the connection of 1 torch, 1CHD60300 slit nozzle or 2 CHD40150 slit nozzles
BBM30DE	Mobile extraction unit 3,0 kW double connector with metal prefilter for the connection of 2 torches, 1CHD60300 slit nozzle or 2 CHD40150 slit nozzles

MOBILE EXTRACTION UNITS (HIGH VACCUM)

BBTD SERIES

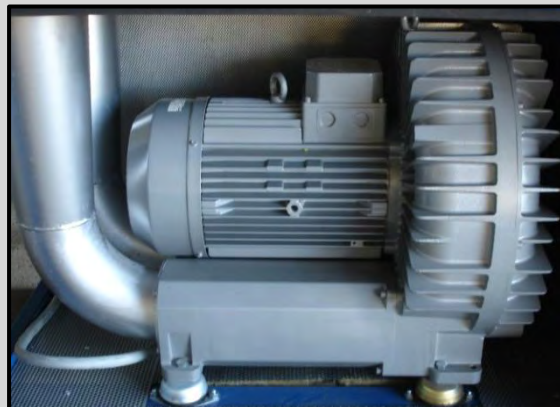
The ENGMAR BBTD high-vacuum extraction units allow the connection of 1 to 2 extraction torches or 1 to 2 slit nozzles CHD depending on the model. They feature an opacimetric filter and an absolute filter; allowing recycling of the fumes (for the acceptance of welding fume recycling, please check your national legislation). The terminal box allows to automatically start the extraction based on the arc ignition with a time delay. (Energy saving).

Reference	Designation
BBTD30	Mobile extraction unit 3 kW single connector with cartridge filter and absolute filter for the connection of 1 torch, 1 CHD60300 slit nozzle or 2 CHD40150 slit nozzles
BBTD30DE	Mobile extraction unit 3 kW double connector with cartridge filter and absolute filter for the connection of 2 torches, 1 CHD60300 slit nozzle or 2 CHD40150 slit nozzles



CENTRAL EXTRACTION UNITS (HIGH VACCUM)

The in-house engineering office of ENGMAR provides customer-specific installations for the connection of several extraction torches. (Central high vacuum extraction units and ductworks)



TECHNICAL FEATURES OF THE ENGMAR CENTRAL EXTRACTION UNITS

Technology	Side channel turbine size based on the number of the connected extraction torches or other capture devices. (depending on the network length and calculated losses)
Possible flow rates	From 500 m ³ /h to 4000 m ³ /h
Power	From 7,5 kW to 45 kW
Filtration	Pneumatic cleaning cartridge dust collector. Filter surface from 40 to 50 m ³ /h per m ² . (for the cleaning of 1,000 m ³ /h: surface of 25 m ²) Treated polyester filter element for an efficiency of about 99% on particles from 1 micron.
Electrical functions (options)	1/ Intelligent flow regulation depending on the number of torches used (Control unit features a speed regulator with pressure sensor). 2/ Operation with continuous maximum flow: Cost-effective central extraction unit featuring a simple control unit without regulation.
Extraction activation (options)	1/ Electro-pneumatic valves: activation triggered by arc ignition (time delay is possible after welding) 2/ Manual valves: extraction controlled by the operator

ACCESSORIES

GAS ECONOMIZERS

The gas economizers selected by ENGMAR allow reducing the pressure surge during the arc ignition and contribute to capture welding fumes notably for tack welding operations and short arc times.



OPTIMATOR



ECO MIG

Reference	Designation
OPTIMATOR	Fully-equipped dual stage gas economizer with a flow meter column and a pressure gauge. 2 versions: cylinder or network type assembly
ECO MIG	Simple dual stage gas economizer allowing to reduce the gas flow during priming (cylinder or network version)

ACCESSORIES

CONNECTING HOSE

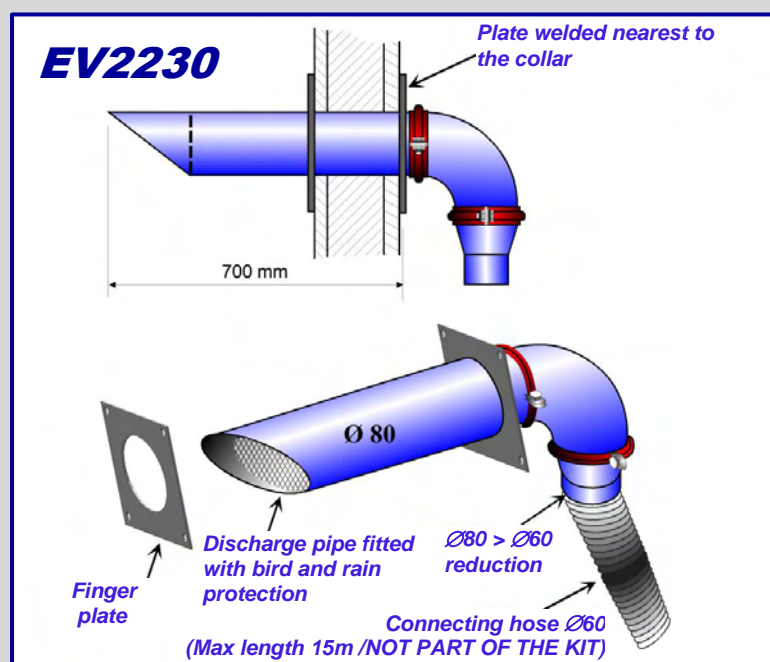


Reference	Designation
P600	Torch to unit and unit to exhaust connecting hose Ø60. Round steel wire and reinforced polyurethane material (packing in coils of 20 m)

EXHAUSTS

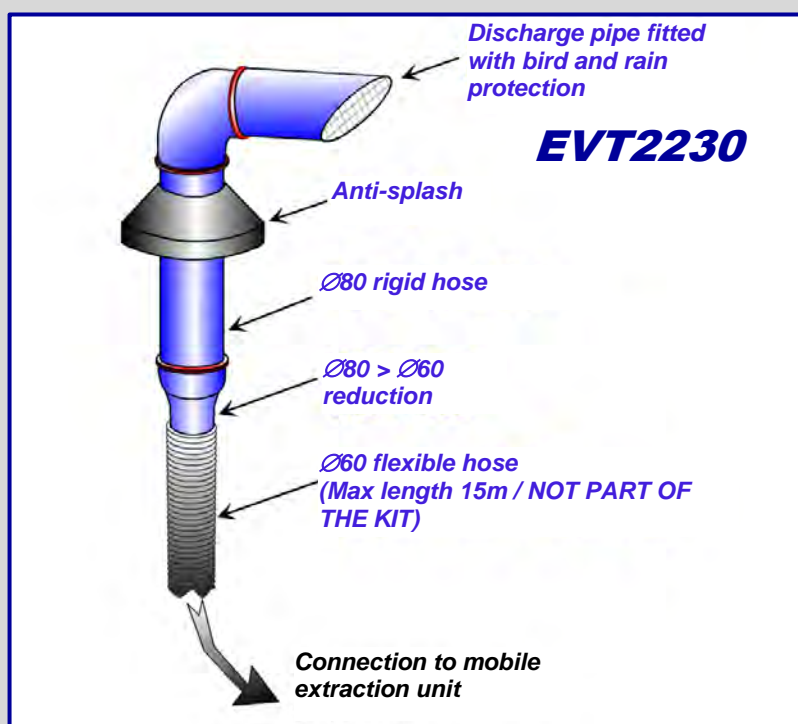
DIRECT EXHAUST KITS

The evacuation kits are designed to route the stand-alone mobile extraction unit discharge towards the outside. They allow discharging the fumes by the cladding or the roof.



Reference	Designation
EV2230	Cladding penetration kit delivered with finger plates

Reference	Designation
EVT2230	Roof penetration kit delivered with seal flange. (excluding the tight liner passage, requires the assistance of a certified roofer)



EXHAUSTS (CLADDING OR ROOF)

STACKS

The ENGMAR exhaust stacks are designed for the discharge of 1 to 5 mobile extraction units with a possible height from 3 to 12 meters. (See the available options below – contact us for other configurations)

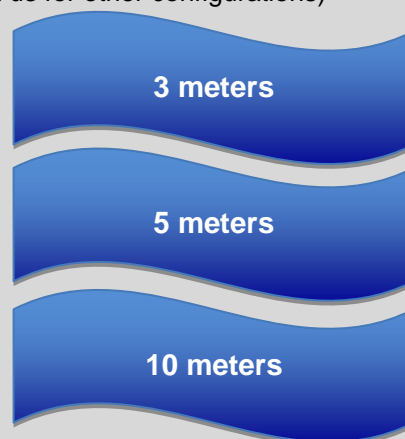
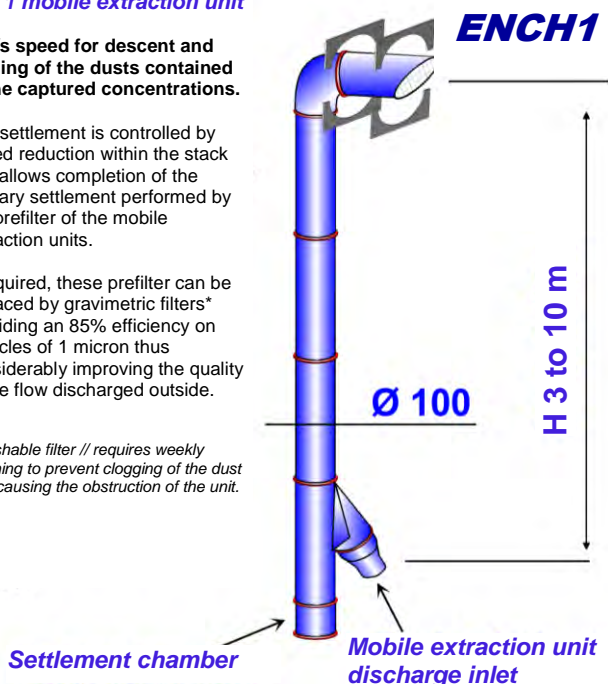
For 1 mobile extraction unit

7 m/s speed for descent and settling of the dusts contained in the captured concentrations.

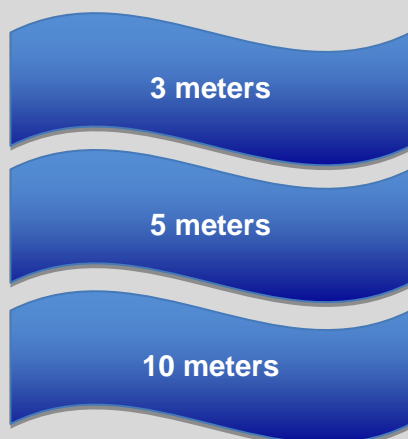
The settlement is controlled by speed reduction within the stack and allows completion of the primary settlement performed by the prefilter of the mobile extraction units.

If required, these prefilter can be replaced by gravimetric filters* providing an 85% efficiency on particles of 1 micron thus considerably improving the quality of the flow discharged outside.

*Washable filter // requires weekly cleaning to prevent clogging of the dust flow causing the obstruction of the unit.



Reference	Designation
ENCH1-3M	Exhaust stack for 1 unit - height 3 meters
ENCH1-5M	Exhaust stack for 1 unit - height 5 meters
ENCH1-10M	Exhaust stack for 1 unit - height 10 meters



Reference	Designation
ENCH2-3M	Exhaust stack for 2 units - height 3 meters
ENCH2-5M	Exhaust stack for 2 units - height 5 meters
ENCH2-10M	Exhaust stack for 2 units - height 10 meters

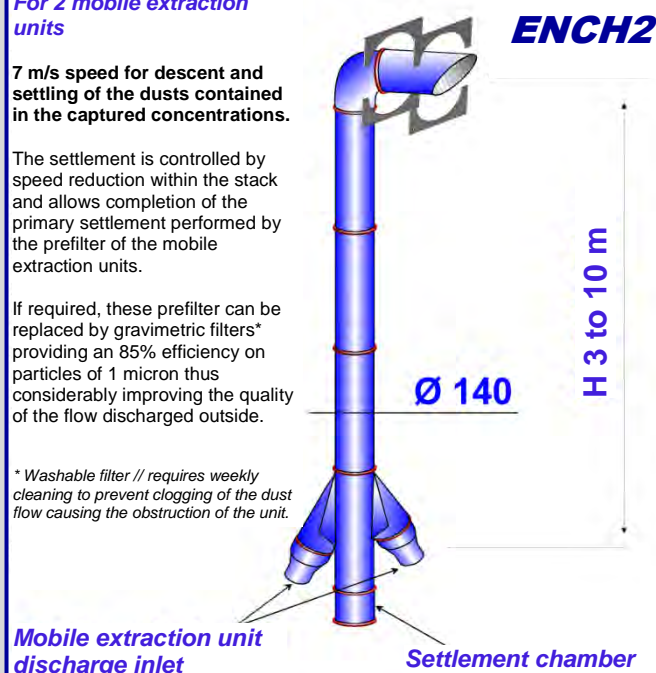
For 2 mobile extraction units

7 m/s speed for descent and settling of the dusts contained in the captured concentrations.

The settlement is controlled by speed reduction within the stack and allows completion of the primary settlement performed by the prefilter of the mobile extraction units.

If required, these prefilter can be replaced by gravimetric filters* providing an 85% efficiency on particles of 1 micron thus considerably improving the quality of the flow discharged outside.

* Washable filter // requires weekly cleaning to prevent clogging of the dust flow causing the obstruction of the unit.



Capture on workstation level

SLIT NOZZLES CBS

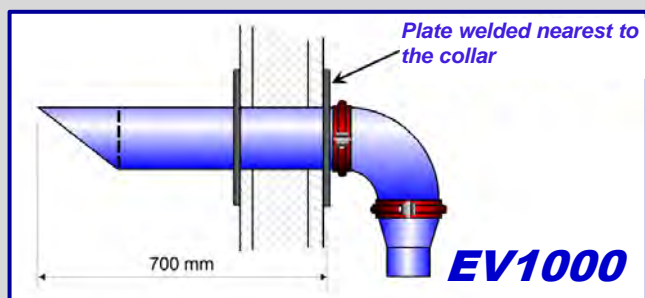


CBS100400

The CBS slit nozzle allows capturing of fumes of all welding processes. The slit nozzle is delivered with a handle and two magnetic bases.

The Ø100 version may be used with our EP extraction arms Ø100 for the work on small parts in fixed work positions.

Every slit nozzle may be connected to an extraction fan directly or to an extraction ductwork by the means of a connecting hose.



Reference	Designation
CBS100300	Slit nozzle Ø100 width 300
CBS100400	Slit nozzle Ø100 width 400
CBS120500	Slit nozzle Ø120 width 500
CBS140600	Slit nozzle Ø140 width 600
EV1000	Direct extraction kit for CBS Ø100 or Ø120

The direct extraction kit EV1000 allows direct discharge for slit nozzle installations Ø100 to Ø120. (For the suited extraction fan, please refer to page 23)

CBS100400 on extraction arm

The slit nozzle Ø100 may be mounted on our EP extraction arms Ø100 for the work on small parts in fixed work positions.



ON PAGE 23:

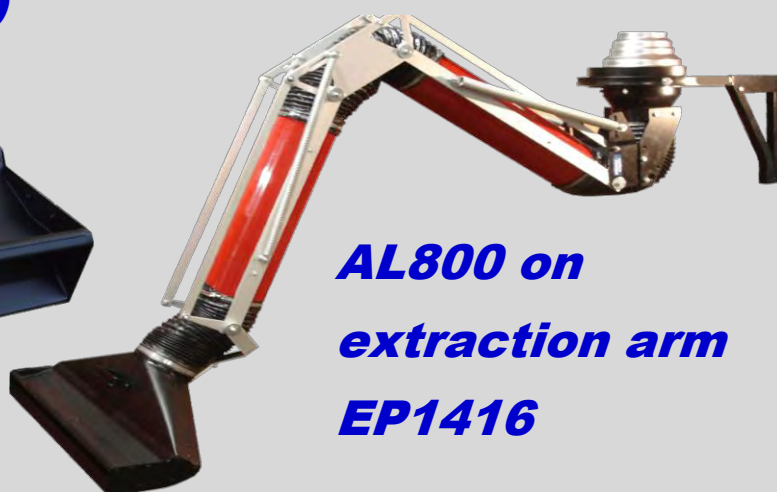
**Suited connecting hoses and
extraction fans**

Capture on workstation level

SLIT NOZZLES AL



AL600



**AL800 on
extraction arm
EP1416**

The design of the AL extraction slit nozzles facilitates their installation and optimizes the air flow for better capture results. The slit nozzles may be installed directly on the workstation or on our EP extraction arms Ø160. Our AL slit nozzles are made of aluminum for weight saving reasons. The connection is ensured by a connecting hose Ø160.



Reference	Designation
AL400	Slit nozzle aluminium Ø160 width 400
AL600	Slit nozzle aluminium Ø160 width 600
AL800	Slit nozzle aluminium Ø160 width 800
AL1200	Slit nozzle aluminium Ø160 width 1200
FV1200	Slit nozzle fiberglass Ø200 width 1200

SEE PAGE 23: Suited extraction fans

FV1200



The FV1200 fiberglass molded slit nozzle is coated with resin and classified to fire M1. The special shape of the nozzle allows a particularly fluid air flow. The slit nozzle may be installed directly on the workstation or on our EP extraction arms Ø200. The large connection diameter allows an enhanced air flow and therefore more area for action.

Capture on workstation level

BLH EXTRACTION HOOD

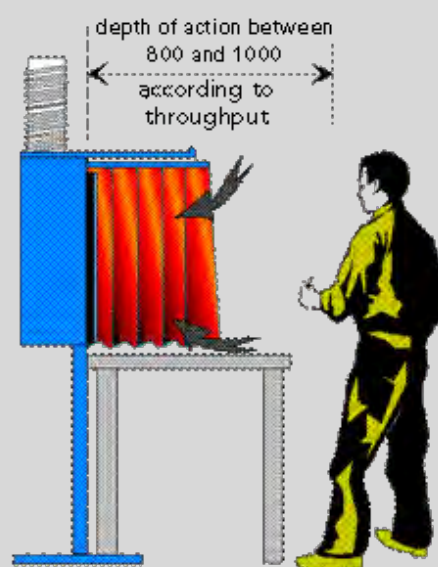
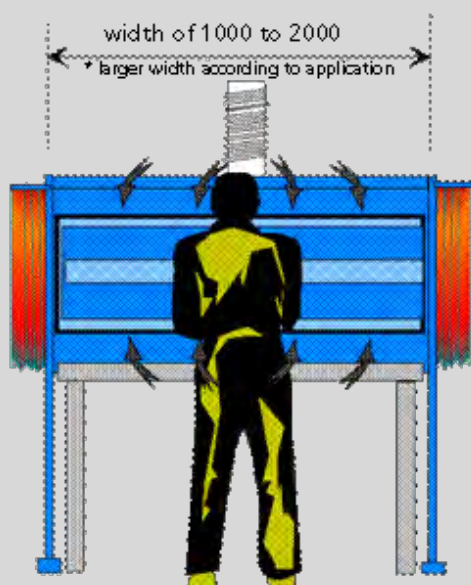


The BLH extraction hood allows fume extraction from the back of the workstation and limits the emission area. The extraction hood may be installed on an existing work table or may be supplied with chassis and feet for an independent implantation. The hood is supplied in standard with an upper lid and removable lateral screens. An inspection door allows the elimination of the heaviest dust.

BLH1500

SEE PAGE 23: Suited extraction fans

Reference	Designation
BLH1000	Extraction hood width 1000 for implantation on existing work table
BLH1500	Extraction hood width 1500 for implantation on existing work table
BLH2000	Extraction hood width 2000 for implantation on existing work table
BLH1010	Extraction hood width 1000 with chassis pour fixation on the ground
BLH1510	Extraction hood width 1500 with chassis pour fixation on the ground
BLH2010	Extraction hood width 2000 with chassis pour fixation on the ground



Capture on workstation level

EXTRACTION TABLES

The fume extraction tables of ENGMAR for grinding, welding or cutting purposes ensure efficient fume extraction.

ENTA1500

ENTAC1500

- ✓ Steel construction, color RAL 5002
- ✓ Table includes 4 adjustable legs
- ✓ Effective dimensions of the table (steel grating): 1000x700mm, 1500x700mm, 2000x700mm
- ✓ Overall dimensions of the extraction table: 1090x980mm, 1590x980mm, 2090x980mm
- ✓ Height of the work surface 800 mm (adjustable)
- ✓ Welding and grinding: Steel grating
- ✓ Cutting: sacrificial plates of 60 x 5 mm (without back wall)
- ✓ Folding site panels
- ✓ Drawer for coarse dirt.



SEE PAGE 23: Suited extraction fans

Data sheet available upon request.

EXTRACTION TABLE FOR WELDING AND GRINDING	
Reference	Designation
ENTA1000	Extraction table 1090x980 for grinding and welding without back wall
ENTA1500	Extraction table 1590x980 for grinding and welding without back wall
ENTA2000	Extraction table 2090x980 for grinding and welding without back wall
ENTAC1000	Extraction table 1090x980 for grinding and welding with back wall, lid, site panels and lighting
ENTAC1500	Extraction table 1590x980 for grinding and welding with back wall, lid, site panels and lighting
ENTAC2000	Extraction table 2090x980 for grinding and welding with back wall, lid, site panels and lighting

EXTRACTION TABLE FOR MANUAL PLASMA CUTTING WITH SACRIFICIAL PLATES	
Reference	Designation
ENTAD1000	Extraction table 1090x980 for cutting with sacrificial plates 60x5 mm
ENTAD1500	Extraction table 1590x980 for cutting with sacrificial plates 60x5 mm
ENTAD2000	Extraction table 2090x980 for cutting with sacrificial plates 60x5 mm

Capture on workstation level

EXTRACTION ARMS

Extraction arms are widely utilized within the industry.

Our EP extraction arms are particularly efficient and simple to position. Their external articulation provides longer product life and higher flow throughput as extraction arms with integrated articulation.

The EP extraction arms allow the integration of CBS or AL extraction slit nozzles depending on diameters and air flow. By combining extraction arms and slit nozzles, the range of air flow action is improved allowing an enhanced distance between the emission point of fumes and the extraction device. Therefore, necessary adjustment of the extraction arm is reduced.

EP EXTRACTION ARM

Reference	Designation
EP1110	Extraction arm Ø100 length 1 meter incl. extractor hood
EP1210	Extraction arm Ø100 length 2 meters incl. extractor hood
EPCBS1210	Kit incl. EP1210 extraction arm and CBS100300 slit nozzle, fan 0,25 kW and ON/OFF switch
EP1316	Extraction arm Ø160 length 3 meters incl. extractor hood
EP1416	Extraction arm Ø160 length 4 meters incl. extractor hood
EP1516	Extraction arm Ø160 length 5 meters : arm of 3 meters incl. extractor hood and jib crane of 2 meters

The EK extraction arms feature integrated articulations. The design of those cost-efficient arms allows restricting friction losses caused by a more turbulent air flow. The EK extraction arms are an economical solution for applications with lower fume emissions.

Reference	Designation
EK0216	Economical extraction arm Ø160 length 2 m
EK0316	Economical extraction arm Ø160 length 3 m
EK0416	Economical extraction arm Ø160 length 4 m
EK0516	Economical extraction arm Ø160 length 5 m

EK ARMS

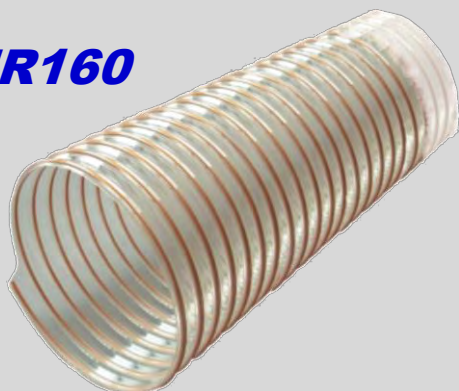


Capture on workstation level

HOSES AND FANS

The connecting hoses chosen by ENGMAR are made of polyurethane with inner coppered steel wire. Their design offers a very good compressive strength and abrasion resistance while maintaining a good flexibility. (Packing in coils of 10 meters)

PUR160



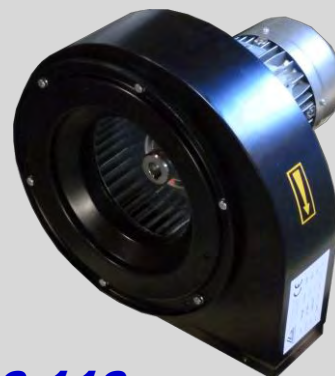
Reference	Designation
PUR100	Polyurethane connecting hose Ø100
PUR120	Polyurethane connecting hose Ø120
PUR140	Polyurethane connecting hose Ø140
PUR160	Polyurethane connecting hose Ø160
PUR200	Polyurethane connecting hose Ø200

The centrifugal extraction fans are well-suited for the extraction of dusty air flows.

Below is a table of correspondence between extraction device and extraction fan, including a connection hose or pipeline of 5 to 10 meters. Depending on the configuration of the ductwork, the throughput may fluctuate. For any specific question, please contact our engineering office.



ENJM1250.075



ENRM310.110

Recommended extraction fan	kW	Slit nozzle L400 to 600mm	Slit nozzle L800 to 1000 mm	Slit nozzle L1200 mm	Hood BHL1000	Hood BHL1500	Hood BHL2000	Table ENTA1000	Table ENTA1500	Table ENTA2000	Table ENTAC1000	Table ENTAC1500	Table ENTAC2000	Table ENTAD1000	Table ENTAD1500	Table ENTAD2000	Arm Ø100 incl. extractor hood	Arm Ø160 incl. extractor hood
ENVM350.075	0,75	X																
ENRL280.110	1,1		X		X			X										
ENRU310.110	1,1			X		X			X		X			X				
ENRL310.220	2,2						X			X		X			X			
ENRM350.220	2,2												X			X		
ENJF0250.025	0,25																X	
ENJM0250.025	0,75																	X



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