ENGMAR | Innovative extraction solutions for the protection of welders

EXTRACTION TORCH MIG/MAG 380

ERGOFLOW

MADE IN FRANCE

EUROPEAN STANDARDS

- EN 21904-1
- EN 21904-4
- EN 60974

OPTIMUM EXTRACTION

Ideal position of the extraction nozzle

ERGONOMICS & FLEXIBILITY

Ergonomic handle

Several options available

MECHANICAL TRIGGER

More robust than a microswitch

GRIP

Better grip

SWIVEL CONNECTION

Made from durable steel for easy torch handling

LEATHER PROTECTION

Length 1.4 m on the front of the torch

PRODUCT BENEFITS

- **Excellent** extraction capacity: **up to 98% of fumes extracted.**
- **Ultra-ergonomic**, easy-to-handle torch.
- **Optimum accessibility** thanks to the nozzle situated behind the gas nozzle and the nozzle's slim design.
- Torch head can be **customised** to suit your needs.

PRODUCT DESCRIPTION

Welding generates fumes and gases that are hazardous to welders' health. An extraction torch is the most effective tool for removing welding fumes as close as possible to the source of emission, thus avoiding dilution of the fumes in the workshop.

ENGMAR's **ERGOFLOW** MIG/MAG 380 extraction torch captures up to 98% of welding fumes. Various extraction nozzles enable the welding torch to be adapted to the volume of fumes to be extracted and the size of the part to be welded. The lightweight and flexibility of the MIG/MAG 380 extraction torch allow the operator to work in the best possible conditions, making it a real production tool that is efficient and very comfortable.

Torch model available in air-cooled and water-cooled version

TECHNICAL DATA FOR THE EXTRACTION TORCH

	AIR COOLED	WATER COOLED
POWER WITH CO_2	400 A	
POWER WITH AR/CO_2	340 A	
DUTY CYCLE	60%	100%
RECOMMENDATION WELDING WIRE	1.2 - 1.6 mm	
EXTRACTION HOSE DIAMETER	40 - 50 mm	
MIN. NOZZLE FLOW RATE [NM^3/H]	92	
REQUIRED PRESSURE (SEA LEVEL) [KPA]	134,5	142
DIFFERENCE IN FLOW RATES BETWEEN THE HEAD AND THE T(NM^3/H)	23,4	21,3

PRODUCT FEATURES

- Torch equiped with the optimum fume shroud for the most efficient extraction
- Light flexible polyurethane tube on the front of the torch / Shape memory flexible tube on the back of the torch, resisting to clogging and abrasion
- The torch is delivered with its liner and Euro connector
- Induced speed at the point of emission greater than 0.35 m/s as recommended by ISO 21904-1 (combined with an ENGMAR extraction unit).

PRODUCT REFERENCES

	AIR COOLED		WATER COOLED	
	45° Model	50° Model	45° Model	50° Model
3 m	FLE383050-45	FLE383050	FRME383050-45	FRME383050
4 m	FLE384050-45	FLE384050	FRME384050-45	FRME384050
5 m	FLE385050-45	FLE385050	FRME385050-45	FRME385050

ENGMAR

ENGMAR SAS
Factory:
ZA La Poste
Impasse du Pré Rond
69490 ST ROMAIN DE POPEY
FRANCE
+33 (0)4 74 01 10 10
contact@engmar.fr

SAS with a capital of 250 000€
VAT ID number: 481 142 602 00046
Commercial register Nantes 481 142 602
APE code: 4669B
Tax registration number: FR15 481142602

GROUPE BONNEFON

Your ENGMAR dealer

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