



ENGMAR

Innovative extraction solutions
for the protection of welders

HIGH VACUUM CENTRAL EXTRACTION UNITS CENFLOW HD



EFFICIENTLY EXTRACT AND FILTER HARMFUL PARTICLES FROM
WELDING FUMES WITHOUT TAKING UP SPACE IN YOUR WORKSHOP



PRODUCT ADVANTAGES

- **Single maintenance point**
- Limited floor space occupation
- Tailor-made installation based on client needs
- Motor speed regulation based on the number of open workstations (optional): reduced operating costs based on actual workshop production



HIGH-VACUUM CARTRIDGE FILTER

With automatic unlogging
for cartridge cleaning



INTEGRATED HMI
(human-machine
interface)

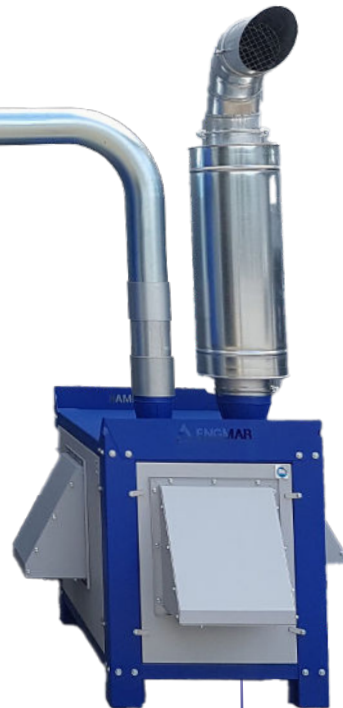
FILTRATION UNIT

- Automatic cleaning system for extended cartridge lifespan
- Durable and stable speed extraction
- High-quality welded assembly



DUST COLLECTOR
TRAY WITH BAG

LARGE DECANTATION
HOPPER



TURBINE IN
SOUNDPROOF
ENCLOSURE

CAN BE BOTH INSTALLED INDOORS AND OUTDOORS

PRODUCT DESCRIPTION

The **CENFLOW** range high vacuum central extraction units enables the simultaneous operation of multiple extraction torches and/or extraction slit nozzles. They also provide with the advantage of a single maintenance point and a limited floor space occupation. The solution offered by ENGMAR allows precise adjustment of electrical consumption based on the number of workstations in operation. This system reduces operating costs according to the actual production in the workshop, thus achieving a decrease in energy costs.

PRODUCT SPECIFICITIES

- **Technology used:** 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 600 m³/h to 4000 m³/h.
- **Power:** From 12.5 kW to 50 kW.
- **Filtration:** pneumatic cleaning cartridge dust collector. Filter surface from 40 to 50 m³/h per m² (for 1000 m³/h effective: surface area of 25 m²). Treated polyester filter element for approximately 99% efficiency on particles of 1 µm and larger.
- **Electrical functions:** intelligent flow regulation depending on the number of torches used. (Control unit features a speed regulator with pressure sensor).
- **Extraction activation:** electro-pneumatic valves for an activation triggered by arc ignition (time delay is possible after welding).
- **Connectivity:** Connection to the company's network, remote monitoring and control, predictive maintenance, and enhanced security.

Other options :

- Other colors on request
- Fire and explosion protection (ATEX)
- Soundproof enclosure for outdoor and indoor units



Various customer installations carried out by our teams.

ENGMAR

ENGMAR SAS

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 **GROUPE
BONNEFON**



Your ENGMAR dealer