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# FUMECLEAN-230 WELD. FUME EXTRACTOR

Product group: **196**    Product number: **735878**

FumeClean-230 is the portable fume extraction solution for maritime to protect against inhaling hazardous welding and cutting fumes (Manganese, Volatile Organic Compounds (VOCs), Chromium Hexavalent (Cr6+) etc.).



## Product information

Protect welders and crew onboard by controlling the health risks from welding fumes in line with the following **Regulations:**

In 2017, the International Agency for Research on Cancer (IARC) under WHO has classified welding fumes and UV radiation from welding as Group 1 carcinogens, the agency's designation for agents that carry sufficient evidence of carcinogenicity in humans.

Further, the Maritime & Coastguard Agency (MCA UK) has issued directives pertaining to Bulletin No: STSU1 2019 HSE Safety Alert: Change in Enforcement for Mild Steel Welding Fume and updating of welding and cutting fume protection requirements in the Code of Safe Working Practice for Seafarers (COSWP) 2019 amendment.

### Features

- High filtration capacity
- Compact, lightweight and portable
- Automatic start stop function
- Connects to 1 phase 230V (Motor is capable for 50/60Hz)
- Supplied with 2,5m hose and nozzle with magnet foot

### Benefits

- Protects welder against inhalation of harmful welding fumes that can cause cancer or serious health problems
- Can be used anywhere onboard where welder/fitter are working especially in poor ventilation areas
- No need for manual operation of start/stop
- Fast and easy transportation

## Specification

### General

Invent Hazard Material (IMO/EU) classification	NA
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### Dimensions/Weight

Weight [kg]	16
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### Technical data

**Four-stage filtration system** When the welding fumes enter the unit they first pass a metal pre-separator, then the fumes flow through a aluminium pre-filter and into the main filter which has a total area of 12m<sup>2</sup>. The large area of the main filter provides a long life and a constant high efficiency since filter cleaning does not have to take place very frequently. The last stage is a High Efficiency Particle Arrestor HEPA 12 which guarantees a filtration efficiency of 99.9% under all circumstances.

**Active carbon filter** If required an optional activated carbon filter can be placed on top of the main filter to remove smell. It is also possible to add hoses on the exhaust side to completely remove the filtered air from the area if required.

**Two powerful motors** The two motors guarantee an adequate extraction capacity under all conditions. At low welding fume concentrations, the extraction capacity can be halved, in which situation both motors operate at half speed, thus providing a lower noise level and reduced maintenance.

**Automatic start** When the welding cable is placed in a slit on top of the unit the automatic start/stop function can be used and the unit will automatically switch on when welding starts and off when welding stops.

Electrical phase	230V single phase
Frequency [Hz]	50/60Hz

## Documents

[Technical Article Welding Fumes - A Known Carcinogen](#)

[Fume-Clean-Users-Manual](#)

[SDoC and MD for IHM](#)

## Related products

Accessories

**176024**

PORTABLE WELD.TABLE

**740373**

FUNNEL NOZZEL WITH MAGNETIC FOOT.

**740423**

HIGH.EFFICIENCY PARTICLE FILTER H12

**740415**

DISPOSABLE CARTRIDGE FILTER.

**740407**

CARBON.BRUSHES 2 SETS W.SEALS 230V

**740456**

CONNECTION.PIECE FOR TWO HOSES ? 45

**740449**

EXTRACT/EXHAUST.HOSE 2,5 M, ? 45 MM

**740431**

ACTIVE CARBON FILTER.

**740381**

HOSE CONNECTION OUTLET SIDE.

Is accessory to

**740399**

BULKHEAD BRACKET.

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