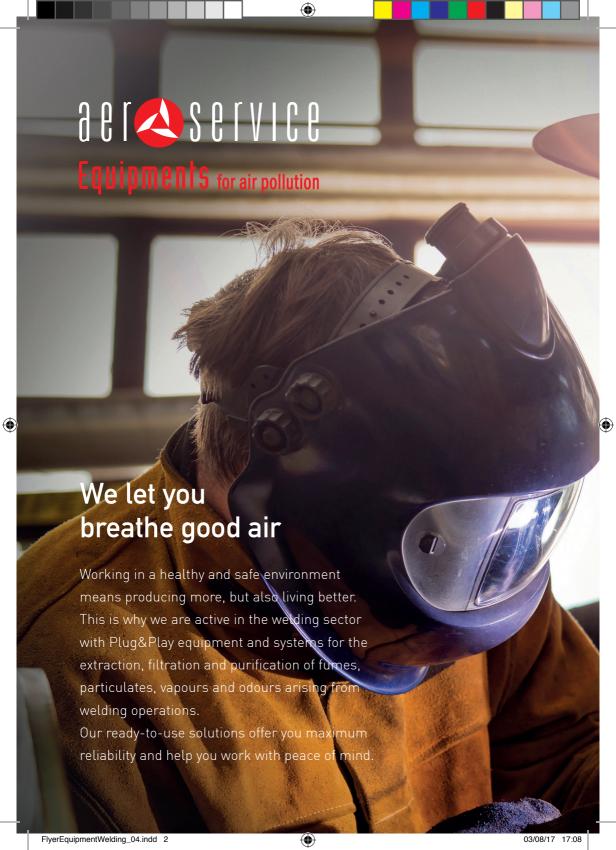
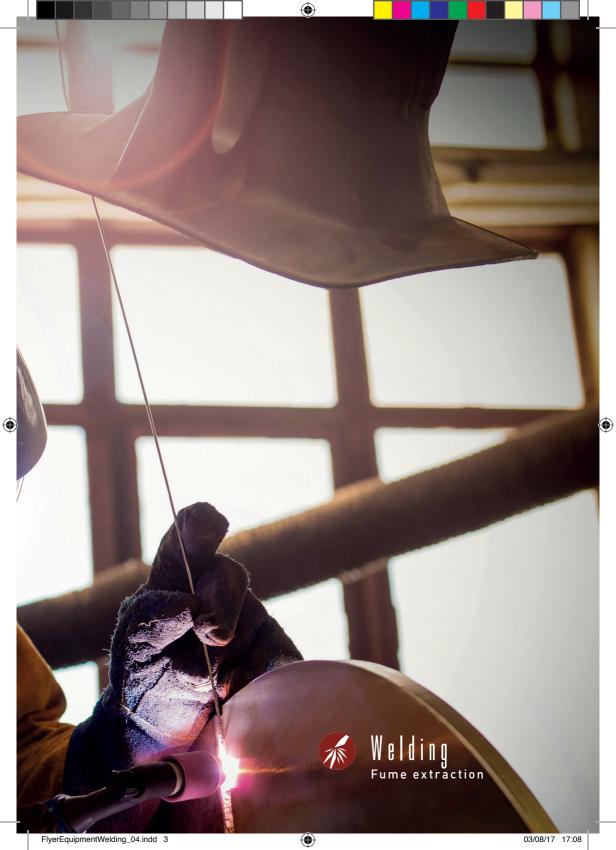




Welding fume extraction





igoplus

NEW AER 201

PORTABLE UNITS





Portable purification system for welding fume

Extraction of welding fumes with medium-low concentrations of pollutants, in closed or difficult to reach environments, with normal systems for fumes reduction

Features

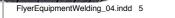
Square-shaped steel structure resistant to accidental impacts and at the same time light to facilitate the trasport of the purification system by means of a convenient handle. Equipped with speed controller. The structure allows to add expulsion flexible hose (T19 Ø 55). The filtres selection consists of a metal anti-spark pre-filter, with one or two filters in pre-treated card depending on the version and an activated carbon filter. Single-phase extraction fan 220/150 with DC brush motor managed by a control panel with electric motor protection and operation signal lights. Flexible hose with a plastic extraction nozzle.

TECHNICAL DATA

MOD.	Extraction Fan Flow Rate	Extraction Capacity	Filtration Efficiency	Motor Power	Motor Power	Voltage Volt	Noise	Dimensions L x H x P mm	Total Weight
AER 201	250 m³/h	110 m³/h	85 %	1,1 KW	3000 RPM	230/50	72 dB (A)	470x400x255	20 kg

SPARE PARTS TECHNICAL DATA

A	Filtration Stage	Type And Classification	Filter Thickness	Efficiency	Penetration
	A	metallic prefilter	12 mm	G2 25%	10≥ P μm
	В	cartridge filter	Ø 125 mm - L= 285 mm	F5 85%	10≥ P > 3 μm
U	С	activated carbon filter	30 mm	-	-







PORTABLE UNITS



PORTABLE UNITS with welding housing





Applications







Certifications









Portable professional purification system for welding fumes equipped with HEPA filter for occasional work.

Extraction of welding fumes with medium-low concentrations of pollutants, in closed or difficult to reach environments, with normal systems for fumes reduction.

Features

Articulated 3 metres arm Ø160 mm (with rigid or flexible hose), including hood with damper and multi-directional articulation. Structure constructed in powder-coated steel sheet metal complete with wheels and handles. Electrical control panel equipped with lights indicating machine operation and any clogged filters. Electric high performance centrifugal extraction fan positioned downstream of the filter section in a special soundproof compartment. Filter section consisting of a series of metal and acrylic filters for class cH12 final filtration efficiency according to standard EN779.

MOD.	Extraction Fan Flow Rate	Operating Flow Rate	Filtration efficency rule %	Motor Power	Noise dB (A)	Dimensions L x H x P mm	TOTAL Weight
EVO 2.0	2500 m³/h	1500 M³/H	99,99%	1,1 kW 220V/1/50	74	525x856x835	85 kg
EVO 2.1	2500 m³/h	1500 M³/H	99,99%	1,1 kW 220V/1/50	74	923x856x835	95 kg









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EHE



Acrylic filter cells Portable cartridge unit for welding fumes, fumes from manual plasma cutting operations and particulate.

Extraction and reduction of fumes from welding, portable plasma cutters and particulates from sanding, cutting, grinding and, lastly, micro-particulate and tiny bits of slag.

Features

The UNI 4.0 filtering units are created with panels constructed in top quality durable galvanised sheet metal bolted together to maintain the correct weight/durability ratio. The main features of these products are the notable capacity for abatement, while at the same time having a much reduced overall size and an easy access to the cartridges. Different cartridge filter versions may be installed depending on the pollutant. All models can be supplied complete with extraction arms of different diameters and lengths, or flexible hoses of different diameters up to lengths of approx. 20 m. Efficient filtration Expected particulate entrapment 99.5% Automatic cleaning system Counter-current compressed air.

MOD.	Extraction Fan Flow Rate	Operating Flow Rate	Filtration efficency rule %	Filter Surfaces	Motor Power	Noise dB (A)	Dimensions L x H x P mm	TOTAL Weight
UNI 4.0	2500 m³/h	1200 M³/H	85%	16 m²	1,1 kW 220V/1/50	67	850x1300x810	175 kg





UNI 2.0



Applications

MIG MAG



MIG MAG pulsato



MMA Saldatrici ad elettrodo



Certifications















UNI 2.0 T

UNI 2.0 C

UNI 2.0 E

PORTABLE PURIFICATION SYSTEM FOR WELDING FUME with cartridge filters and self-supporting articulated arm included.

Articulated 3 metres arm Ø160 mm (with rigid or flexible hose), including hood with damper and multi-directional articulation. Structure constructed in powder-coated steel sheet metal complete with wheels and handles. Electrical control panel equipped with lights indicating machine operation and any clogged filters. Electric high performance centrifugal extraction fan positioned downstream of the filter section in a special soundproof compartment. Filter section consisting of a series of metal and acrylic filters for class cH12 final filtration efficiency according to standard EN779. A 10 kg activated carbon post-filter deodoriser is available upon request.

MOD. Uni 2.0	Extraction Fan Flow Rate	Operating Flow Rate	Filtration efficency rule %	Filter Surfaces	Motor Power	Noise dB (A)	Dimensions L x H x P mm	TOTAL Weight
T	2500 m³/h	1480 M³/H	99,5%	14 m²	1,1 kW 220V/1/50	<=70	600x1200x800	105 kg
С	2500 m³/h	1480 M³/H	99,5%	14 m²	1,1 kW 220V/1/50	<=70	600x1200x800	105 kg
E	2500 m³/h	1480 M³/H	99,5%	-	1,1 kW 220V/1/50	<=70	600x1200x800	125 kg







Portable professional purication system for welding fume

The mobile ICAF unit, thanks to the large air filter surface area and the manufacturing features, is the ideal professional solution for the portable extraction and filtration of welding fumes, occasional portable work with cutting torches, the absorption of low concentrations of substances, such as: gases, non-oily vapours, odours produced by various applications in the industrial and chemical sectors. Operator safety is guaranteed by the large filter surface, the high airflows and by the quantity, quality and long lifespan of the activated carbon sections used.

Features

Extremely sturdy and compact structure in powder-coated thick steel the sides of which are used to house the filter sections. Arm on the "IBS series" machine Ø 125-160-200 depending on model and specific use. Multi-stage filter section, designed for applications and high loads in the various heavy-duty applications, with increasing efficiency, installed on the 4 sections of the machine. High filtration efficiency and long filter life. Heavy-duty extraction unit designed for high levels of performance with low energy consumption. Another important advantage is seen in the filtration of the surrounding environment, meaning that in addition to filtering the area polluted by the work in process, there is air exchange within the workplace, further lowering the levels of pollution present.

SPARE PARTS TECHNICAL DATA



POS.	FILTER	DIMENSIONS mm	Filter efficency %
A	Metal mesh	485x485x22	70%
В	Pleated	485x485x48	85%
C	Carbon	485x485x65	-
D	Flate	485x485x12	90%



WALL-MOUNTED PURIFICATION SYSTEM





Wall-mounted purification system

for welding fumes complete with self-supporting articulated arm

These purification systems have been designed to extract welding fumes in places where welding work is carried out on an occasional basis, for example, spot welding or seam or arc welding, therefore with the development of medium-low concentrations of pollutants containing gas or suspended micro-particles. In addition, deodorisation is achieved using an activated carbon filter (10 kg), before releasing the filtered air into the environment.





Features

Compact structure constructed in sturdy powder-coated steel sheet metal and supplied with external brackets for fastening to the wall. High performance, electric centrifugal extraction fan directly coupled to an IE2 400/50Hz three phase motor. Filter section consisting of a series of metal and acrylic filters for class H13 final filtration efficiency, available with mechanical filter (H version) and with electrostatic filter (version E) for both the final efficiency is 99.5% Activated carbon filters 10 kg. Articulated 3 - 8 metre arm Ø160 mm including hood with damper, anti-intrusion mesh and multi-directional articulation.





MOD. ICAP 2.0	Extraction Fan Flow Rate	Operating Flow Rate	Filtration efficency rule %	Filter Surfaces	Motor Power	Noise dB (A)	Dimensions L x H x P mm	TOTAL Weight
T	2500 m³/h	1480 M³/H	99,5%	14 m²	1,1 kW 220V/1/50	73	640x1200x510	105 kg
E	2500 m ³ /h	1480 M³/H	99,5%	-	1,1 kW 220V/1/50	73	640x1200x510	125 kg





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