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MOBILEPRO/PTFE



MOBILE WELDING FUME EXTRACTOR

The MobilePro/PTFE is a mobile welding fume filter with built-in fan. The highly efficient filter cartridge is self-cleaning by the integrated RamAir™ pulse amplifier, based on external compressed air supply.

Thanks to the four transport wheels (two of which are swivel casters with brake), the MobilePro/PTFE is suitable for use in relatively small facilities or near sources of pollution without a fixed location.

The extraction arm is to be selected and ordered separately.

APPLICATIONS

The MobilePro/PTFE is intended to be used for the following applications:

- MIG-MAG/GMAW welding
- TIG welding
- FCAW welding
- stick/MMAW welding
- stainless steel welding
- grinding
- polishing
- finishing

SPECIFICATIONS

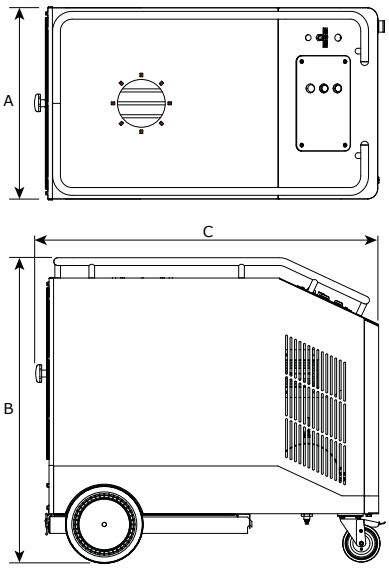
Physical dimensions and properties	
Material (housing): • steel grade • steel grade no.	electro-zinc coated steel (according to DIN EN 10152) • DC01+ZE • 1.0330
Colour	yellow RAL 1004
Weight (net)	169 kg (373 lbs.)
Supply cable: • type • length	 • SJOOW 3xAWG14 • 4,5 m (14.8 ft)
Plug type	NEMA 5-15P
Capacity of dust tray	10 litres (2.6 gallon)
Filter cartridge	
Type	CART-O/PTFE
Shape	cylindric
Filter material	100% BiCo polyester with PTFE membrane
Filter surface area	10 m² (108 ft²)
Filter class	MERV 16 according to ASHRAE 52.2
Washable	no
Compressed air system	
Required compressed air quality	dry and oil-free according to ISO 8573-3 class 6
Inlet pressure	5-10 bar (75-150 PSI)
Required pressure	5 bar (75 PSI) (by integrated pressure regulator)
Compressed air connection	G 3/8" (female)
Compressed air consumption	35 Nl (1.2 ft³) per pulse
Volume of compressed air tank	10 litres (2.6 gallon)
Activation of filter cleaning system (online only)	• pressure controlled (threshold value: 1000 Pa / 4 in. WG) • manually by push button
Duration of filter cleaning cycle (6 pulses)	60 seconds
Performance	
Fan type	radial
Extraction capacity (incl. extraction arm)	max. 1200 m³/h (700 CFM)
Fan speed: • 50 Hz motor • 60 Hz motor	 • 2900 rpm • 3390 rpm
Noise level	72 dB(A) according to ISO 3746
Electrical data	
Power consumption	1,1 kW (1.5 HP)
Available connection voltages	*refer to Order information*
Motor design	IEC
Energy efficiency: • single phase motor • three-phase motor	 • n.a. • IE3 / premium
Ambient conditions	
Process temperature: • min. • nom. • max.	 • 5°C (41°F) • 20°C (68°F) • 70°C (158°F)
Max. relative humidity	90%
Suitable for outdoor use	no
Storage conditions	• 5-45°C (41-113°F) • relative humidity max. 80%
Product combinations	
KUA-2/S / KUA-3/S / KUA-4/S	ball bearing extraction arm (360° rotatable)
EA-3/S / EA-4/S	hose tube extraction arm (360° rotatable)

product data sheet

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Option: HL-20/24-160	halogen working light with switch box (arm 359° rotatable)
■ Scope of supply	
Mobile unit – Hexagon bolt M6x25 (8) – Washer (8) – Cable gland (2)	
■ Order information	
Article no.: • 0000112344 • 0000104174 • 0000112342 • 0000112343	MobilePro/PTFE: • 115V/1ph/50Hz • 115V/1ph/60Hz • 230V/1ph/50Hz • 400V/3ph/50Hz
Number/package	1
■ Shipping data	
Gross weight (incl. pallet)	206 kg (454 lbs.)
Packing dimensions (incl. pallet)	800 x 1200 x 1200 mm (47.2 x 31.5 x 47.2 in.)
Max. number/pallet	1 (stack: max. 2 pallets)
Harmonized Tariff Code	8421.39.2090

DIMENSIONS



	mm	inch
A	646	25.4
B	1024	40.3
C	1150	45.3

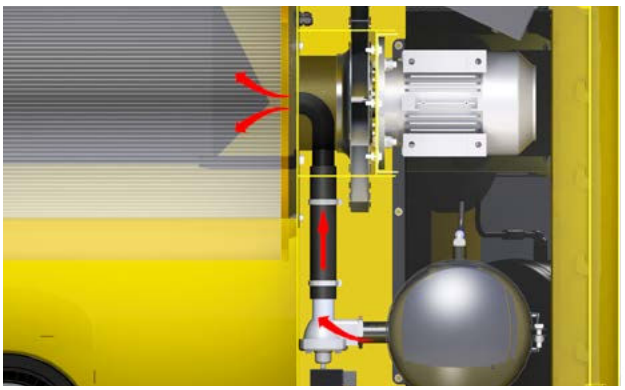
FEATURES & BENEFITS



Versatile handlebar:
- easy to move the unit
- allows to place tools on the unit and prevents them from falling off



Lockable dust tray



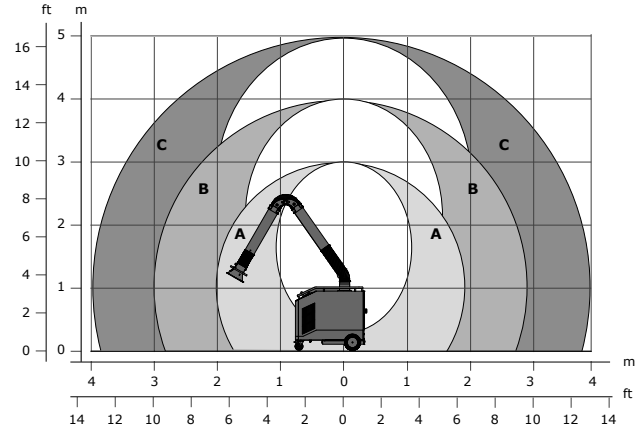
RamAir™ pulse amplifier: effective cleaning of the filter cartridge by powerful compressed air pulses



Easy control; design according to UL-508A Standard

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WORKING RANGE



A	KUA-2/S	
B	KUA-3/S	EA-3/S
C	KUA-4/S	EA-4/S

MobilePro/PTFE with extraction arm

APPROVALS/CERTIFICATES

CE	
RoHS	Directive 2011/65/EC (RoHS) valid as of 8 June 2011
W3 compliant	in accordance with EN-ISO 15012-1:2013

Application restrictions
Do **not** use the product for the following applications or in the following circumstances: polishing applications in combination with grinding, welding or any other application that generate sparks (fibres from polishing or abrasive flap disks are highly flammable and pose a high risk of filter fires when exposed to sparks) | aluminium laser cutting | oil mist | heavy oil mist in welding fume | arc-air gouging | extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium) | extraction of hot gases (more than 70°C/158°F continuously) | grinding aluminum and magnesium | flame spraying | extraction of cement, saw dust, wood dust etc. | sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids | explosive environments or explosive substances/gases

Product type	**MobilePro/PTFE**
Article no.	0000104174
Product category	mobile filter units
Version	111217/D

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