

# UNI 4

## PROFESSIONAL FILTER UNIT FOR WELDING FUMES AND DUST FROM GRINDING / THERMAL CUTTING



### Use

Extraction of welding fumes and dust from grinding, sanding and thermal cutting

### Construction

Painted steel

### Applications



MIG MAG



Pulse  
MIG MAG



MMA  
Stick  
electrode



TIG



PLASMA  
CUTTING



GRINDING



### MAIN FEATURES

Extraction of welding fumes and dust from grinding, manual plasma cutting etc., suitable for close and difficult-to reach environments, where standard extraction systems cannot be used.

User-friendly digital control panel with alarm log.

Automatic cartridge cleaning by counter-current compressed air.

Pc board in a clean chamber off the airflow circuit.

The unit is delivered with built-in wheels, ready to use.

Also available in the version with automatic Start/Stop function.

Not suitable for the use in potentially hazardous work areas.

### STRUCTURE

Powder-coated steel casing, complete with pivoting castors and handles.

High-performance centrifugal fan downstream of the filter stage, in a special soundproof compartment.

### ACCESSORIES

Articulated extraction arm Ø 125-160 mm with rigid tube, including capture hood with damper and multi-directional articulation.

Flexible hose Ø 200 mm up to 20 m length.

Flexible hose Ø 160 mm L. 5 m length.

### FILTER SECTION

The unit is provided with 2 cartridge filters in antistatic polyester for a high filtering efficiency (M 99%).

Automatic filter cleaning system by compressed air.

### ON DEMAND

Deodorising active carbons post-filter.

Pre-coating treatment available on demand, recommended in case of use for manual plasma cutting beyond 2 h per day.

Suited for dry welding fumes only – no oily fumes.

### CERTIFICATIONS



### PACKING



(100x100x180 cm)  
(140x80x65 cm)



## MOBILE FILTERING UNIT - UNI 4

Self-cleaning mobile filter unit



### TECHNICAL FEATURES

Model	Fan capacity m <sup>3</sup> /h	Extraction at hood m <sup>3</sup> /h	Filtration efficiency Rule %	Main filter Type	Filtration area m <sup>2</sup>	Motor power kW - V/Hz	Noise dB (A)	Dimension WxLxH mm	Total weight kg
UNI 4	2500	1400	M 99	Cartridge	25	1,5 - 230/50	67	810x850x1300	175
UNI 4	2500	1400	M 99	Cartridge	25	1,5 - 400/50-60	67	810x850x1300	175

### UNI 4.2

Code	Description
UNI42C0000ANO	Mobile filter unit UNI 4.2 1,5kW 230V/1Ph/50Hz - Filtration efficiency BIA“M” >99% - Black
UNI42C1000ANO	Mobile filter unit UNI 4.2 1,5kW 400V/3Ph/50-60Hz - Filtration efficiency BIA“M” >99% - Black
UNI42C0050ANO	Mobile filter unit UNI 4.2 1,5kW 230V/1Ph/50Hz - Filtration efficiency BIA“M” >99% - Black - Automatic Start/Stop function
UNI42C1050ANO	Mobile filter unit UNI 4.2 1,5kW 400V/3Ph/50-60Hz - Filtration efficiency BIA“M” >99% - Black - Automatic Start/Stop function

### REPLACEMENT FILTERS


Replacement filters	Code	Description
	RF0UNI4200000	Kit replacement filters for UNI 4.2 including: cartridge filters (pair)
	RF0UNI4200001	Kit replacement filters for UNI 4.2 including: active carbons filter
	RF0UNI4200002	Pre-coating treatment

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## ACCESSORIES


### ARTICULATED ARMS

Articulated arm	Code	Description
	ARMOTECH125200	ARMOTECH articulated arm - Ø 125 mm - L. 2000 mm
	ARMOTECH125300	ARMOTECH articulated arm - Ø 125 mm - L. 3000 mm
	ARMOTECH125400	ARMOTECH articulated arm - Ø 125 mm - L. 4000 mm
	ARMOTECH160200	ARMOTECH articulated arm - Ø 160 mm - L. 2000 mm
	ARMOTECH160300	ARMOTECH articulated arm - Ø 160 mm - L. 3000 mm
	ARMOTECH160400	ARMOTECH articulated arm - Ø 160 mm - L. 4000 mm


### FITTINGS




Adapter for twin arm	Code	Description
	50UNI04202	Plate with double hole Ø 125 mm


### LIGHTING KIT

LED lighting kit	Code	Description
	ARMOLIGHT00005	LED lighting kit (to place in order together with filter unit and arm)


### EXTENSION CABLES


Cable reels	Code	Description
	ARE03G1501000	Cable reel 230V - L. 10 m - Schuko plug
	ARE03G1501500	Cable reel 230V - L. 15 m - Schuko plug
	ARE03G1502500	Cable reel 230V - L. 25 m - Schuko plug


Rubber extension cables	Code	Description
	DBPZ1F10SCSCO	Rubber extension cable L. 10 m - 3x2,5 - Schuko connectors
	DBPZ1F20SCSCO	Rubber extension cable L. 20 m - 3x2,5 - Schuko connectors
	DBPZ1F10SCIND	Rubber extension cable L. 10 m - 3x2,5 - Schuko + industrial blue plug 16A
	DBPZ1F20SCIND	Rubber extension cable L. 20 m - 3x2,5 - Schuko + industrial blue plug 16A
	DBPZ3F10ININO	Rubber extension cable L. 10 m - 400V 4x2,5 + industrial red plug 16A
	DBPZ3F20ININO	Rubber extension cable L. 20 m - 400V 4x4 + industrial red plug 16A

Cable with industrial plug	Code	Description
	DBPZ220102BLK	Cable 3x1,5 250V 16A - 3 m + industrial blue plug 16A + C19 32x26,3 plug

## FLEXIBLE HOSES


T20 flexible hose	Code	Description
	ACCODEPCAR0021	Flexible hose T20 for dust extraction - $T_{max}$ 100 °C - Ø 160 mm - L. 5 m incl. rotating base
	ACCODEPCAR2020	Flexible hose T20 for dust extraction - $T_{max}$ 100 °C - Ø 200 mm - L. 20 m incl. rotating base

T19 flexible hose	Code	Description
	ACCODEPCAR1605	Flexible hose T19 for fume extraction - $T_{max}$ 90 °C - Ø 160 mm - L. 5 m incl. rotating base
	ACCODEPCAR1920	Flexible hose T19 for fume extraction - $T_{max}$ 90 °C - Ø 200 mm - L. 20 m incl. rotating base

Compressed air hose	Code	Description
	ACCODEPCAR0040	Compressed air hose - L. 10 m - Including standard quick connectors


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Air hose reel	Code	Description
	ARA0081201200	Air hose reel - L. 12 m 8x12 mm 1/4" 15 bar

## SPARE PARTS

### SUPPLY CABLE

Spare cable 250V 16A	Code	Description
	DBPZ3061530LK0	Spare cable 250V 16A - L. 3 m - With Schuko socket and Poly Snap lock plug