

UNI 2

PROFESSIONAL MOBILE FILTER UNIT



Use

Welding fume extraction

Construction

Painted steel

Applications



MIG MAG



Pulse
MIG MAG



MMA
Stick
electrode



TIG



UNI 2 H



UNI 2 K



UNI 2 E



UNI 2 C



UNI 2 C W3

MAIN FEATURES

Mobile filter unit with AC motor controlled by a pc board, with motor protection.

User-friendly digital control panel with clogged filter alarm and other functions.

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.

ACCESSORIES

Articulated arm Ø 125 - 160 mm (with rigid tube or flexible hose) complete with capture hood equipped with handle, damper and multi-directional articulation.

CERTIFICATIONS



STRUCTURE

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

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

VERSIONS

UNI 2 H - Mechanical filtration with glass microfibre pocket filter.

UNI 2 K - Mechanical filtration with pocket filter with active carbons + active carbons post-filters.

UNI 2 E - Electrostatic filtration.

UNI 2 C - Mechanical filtration with cartridge filter.

UNI 2 C W3 - Mechanical filtration with cartridge filter - IFA approved.

PACKING



(120x70x155 cm)

FILTERING SECTION

Filter section consisting of a series of metallic and acrylic filters, for a final filtration efficiency in class E12 99,5% according to EN1822 Standard. The spark arrestor filter is standard included.

Optional: 10 kg active carbons post-filter, recommended in all cases of VOS/VOC, welding on stainless steel, zinc coated steel, chrome TIG etc.

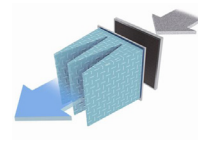
USE

Extraction of welding fumes (non-intensive use) with medium concentrations of pollutants.

Suitable for closed or difficult-to-reach environments, where standard extraction devices cannot be used.

Suited for dry welding fumes only – no oily fumes.

Not suitable for the use in potentially hazardous work areas.





MOBILE FILTER UNIT - UNI 2 H

Professional mobile filter unit with mechanical filtration - glass microfibre pocket filter

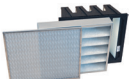


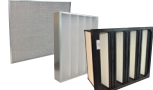
TECHNICAL FEATURES

Model	Fan capacity m ³ /h	Extraction at hood m ³ /h	Filtration efficiency Rule %	Main filter Type	Filtering area m ²	Motor power kW - V/Hz	Noise dB (A)	Dimension WxLxH mm	Total weight kg
UNI 2.2 H	2500	1100	E12 99,5	Pocket	14,5	1,1 - 230/50	≤70	600x800x1200	105
UNI 2.2 H	2500	1100	E12 99,5	Pocket	14,5	1,1 - 400/50-60	≤70	600x800x1200	105

UNI 2.2 H

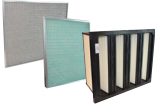
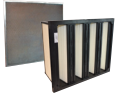

Code	Description
UNI22H0000AA0	Mobile filter unit UNI 2.2 H 1,1kW 230V/1Ph/50Hz - Filtration efficiency E12 >99,5% - Black/red
UNI22H1000AA0	Mobile filter unit UNI 2.2 H 1,1kW 400V/3Ph/50-60Hz - Filtration efficiency E12 >99,5% - Black/red
UNI22H00S0AA0	Mobile filter unit UNI 2.2 H 1,1kW 230V/1Ph/50Hz - Filtration efficiency E12 >99,5% - Black/red - Automatic Start/Stop function
UNI22H10S0AA0	Mobile filter unit UNI 2.2 H 1,1kW 400V/3Ph/50-60Hz - Filtration efficiency E12 >99,5% - Black/red - Automatic Start/Stop function

REPLACEMENT FILTERS

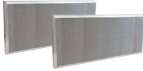



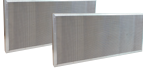
Replacement filters	Code	Description
	RF0UNI2200000	Kit replacement filters for UNI 2.2 including: spark arrestor, wavy filter, pocket filter with efficiency E12
	RF0UNI2200001	Kit replacement filters for UNI 2.2 including: spark arrestor, wavy filter
	RF0UNI2200002	Kit replacement filters for UNI 2.2 including: pocket filter with efficiency E12
	RF0UNI2200004	Kit replacement filters for UNI 2.2 including: spark arrestor, wavy filter, pocket filter with efficiency H13

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Replacement filter	Code	Description
	RF0UNI2200006	Kit replacement filters for UNI 2.2 including: spark arrestor, paint stop filter, pocket filter with efficiency E12
	RF0UNI2200010	Kit replacement filters for UNI 2.2 including: HIGH INTENSITY spark arrestor, pocket filter with efficiency E12
	RF0UNI2200011	Kit replacement filters for UNI 2.2 including: HIGH INTENSITY spark arrestor

OPTIONAL FILTERS

Optional filters	Code	Description
	RF0UNI2200003	Kit replacement filters for UNI 2.2 including: active carbons filter (pair)
	RF0UNI2200005	Kit replacement filters for UNI 2.2 including: pocket filter with efficiency H13
	RF0UNI2200007	Kit replacement filters for UNI 2.2 including: paint stop filter (advisable to use together with active carbons filter)
	RF0UNI2200008	Kit replacement filters for UNI 2.2 including: active carbons filter suited for unit with discharge hole plate
	RF0UNI2200009	Kit replacement filters for UNI 2.2 including: active carbons filter (pair) suited for Amines and Ammonia NH3



MOBILE FILTER UNIT - UNI 2 K

Professional mobile filter unit with mechanical filtration with pocket filter with active carbons + active carbons post-filters

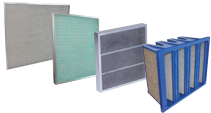


TECHNICAL FEATURES

Model	Fan capacity m ³ /h	Extraction at hood m ³ /h	Main filter Type	Active carbons weight kg	Motor power kW - V/Hz	Noise dB (A)	Dimension WxLxH mm	Total weight kg
UNI 2.2 K	2500	1100	Active carbons	12,1	1,1 - 230/50	≤70	600x800x1200	108
UNI 2.2 K	2500	1100	Active carbons	12,1	1,1 - 400/50-60	≤70	600x800x1200	108

UNI 2.2 K

Code	Description
UNI22K0000AA0	Mobile filter unit UNI 2.2 K 1,1kW 230V/1Ph/50Hz - Filtration efficiency M6 ≥80% - With 12,1 kg active carbons - Black/red
UNI22K1000AA0	Mobile filter unit UNI 2.2 K 1,1kW 400V/3Ph/50-60Hz - Filtration efficiency M6 ≥80% - With 12,1 kg active carbons - Black/red
UNI22K00S0AA0	Mobile filter unit UNI 2.2 K 1,1kW 230V/1Ph/50Hz - Filtration efficiency M6 ≥80% - With 12,1 kg active carbons - Black/red - Automatic Start/Stop function
UNI22K10S0AA0	Mobile filter unit UNI 2.2 K 1,1kW 400V/3Ph/50-60Hz - Filtration efficiency M6 ≥80% - With 12,1 kg active carbons - Black/red - Automatic Start/Stop function

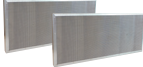

REPLACEMENT FILTERS

Replacement filters	Code	Description
	RF0UNI2200012	Kit replacement filters for UNI 2.2 including: spark arrestor, paint stop filter, pocket filter with efficiency M6 with active carbons, active carbons post-filter
	RF0UNI2200007	Kit replacement filters for UNI 2.2 including: paint stop filter (advisable to use together with active carbons filter)
	RF0UNI2200013	Kit replacement filters for UNI 2.2 including: pocket filter with efficiency M6 with active carbons, active carbons post-filter

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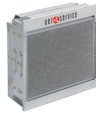
OPTIONAL FILTERS

Optional filters	Code	Description
	RF0UNI2200009	Kit replacement filters for UNI 2.2 including: active carbons filter (pair) suited for Amines and Ammonia NH3
	RF0UNI2200007	Kit replacement filters for UNI 2.2 including: paint stop filter (advisable to use together with active carbons filter)



MOBILE FILTER UNIT - UNI 2 E

Professional mobile filter unit with long life electrostatic filter cell



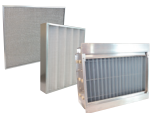

TECHNICAL FEATURES

Model	Fan capacity m ³ /h	Extraction at hood m ³ /h	Filtration efficiency Rule %	Main filter Type	Motor power kW - V/Hz	Noise dB (A)	Dimension WxLxH mm	Total weight kg
UNI 2.2 E	2250	1480	E11 95	Electrostatic cell	1,1 -230/50	≤70	600x800x1200	105
UNI 2.2 E	2250	1480	E11 95	Electrostatic cell	1,1-400/50-60	≤70	600x800x1200	105

UNI 2.2 E


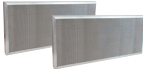


Code	Description
UNI22E0000AEO	Mobile filter unit UNI 2.2 E 1,1kW 230V/1Ph/50Hz - Filtration efficiency E11 >95% - Black/green
UNI22E1000AEO	Mobile filter unit UNI 2.2 E 1,1kW 400V/3Ph/50-60Hz - Filtration efficiency E11 >95% - Black/green
UNI22E00S0AEO	Mobile filter unit UNI 2.2 E 1,1kW 230V/1Ph/50Hz - Filtration efficiency E11 >95% - Black/green - Automatic Start/Stop function
UNI22E10S0AEO	Mobile filter unit UNI 2.2 E 1,1kW 400V/3Ph/50-60Hz - Filtration efficiency E11 >95% - Black/green - Automatic Start/Stop function


REPLACEMENT FILTERS

Replacement filters	Code	Description
	RF0UNI2200014	Kit replacement filters for UNI 2.2 including: spark arrestor, wavy filter, electrostatic cell
	RF0UNI2200001	Kit replacement filters for UNI 2.2 including: spark arrestor, wavy filter

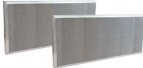

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Replacement filters	Code	Description
	RF0UNI2200015	Kit replacement filters for UNI 2.2 including: electrostatic cell
	RF0UNI2200003	Kit replacement filters for UNI 2.2 including: active carbons filter (pair)
	RF0UNI2200016	Kit replacement filters for UNI 2.2 including: 3 m cable with connector
	RF0UNI2200017	Kit replacement filters for UNI 2.2 including: power supply device for electrostatic cell
	RF0UNI2200018	Kit replacement filters for UNI 2.2 including: wire tension springs (20 pcs)
	RF0UNI2200019	Kit replacement filters for UNI 2.2 including: tungsten ionizing threads (10 pcs)

Rinsing liquid	Code	Description
	RF0UNI2200020	Rinsing liquid (10 kg) for electrostatic cell

OPTIONAL FILTERS

Optional filters	Code	Description
	RF0UNI2200009	Kit replacement filters for UNI 2.2 including: active carbons filter (pair) suited for Amines and Ammonia NH3
	RF0UNI2200007	Kit replacement filters for UNI 2.2 including: paint stop filter (advisable to use together with active carbons filter)



MOBILE FILTER UNIT - UNI 2 C

Professional mobile filter unit with cartridge filter



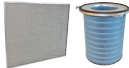


TECHNICAL FEATURES

Model	Fan capacity m ³ /h	Extraction at hood m ³ /h	Filtration efficiency Rule %	Main filter Type	Filtering area m ²	Motor power kW - V/Hz	Noise dB (A)	Dimension WxLxH mm	Total weight kg
UNI 2.2 C	2250	1100	M 99	Cartridge	12,55	1,1 -230/50	≤70	600x800x1200	105
UNI 2.2 C	2250	1100	M 99	Cartridge	12,55	1,1-400/50-60	≤70	600x800x1200	105

UNI 2.2 C

Code	Description
UNI22C0000ACO	Mobile filter unit UNI 2.2 C 1,1kW 230V/1Ph/50Hz - Filtration efficiency BIA“M” >99% - Black/blue
UNI22C1000ACO	Mobile filter unit UNI 2.2 C 1,1kW 400V/3Ph/50-60Hz - Filtration efficiency BIA“M” >99% - Black/blue
UNI22C00S0ACO	Mobile filter unit UNI 2.2 C 1,1kW 230V/1Ph/50Hz - Filtration efficiency BIA“M” >99% - Black/blue - Automatic Start/Stop function
UNI22C10S0ACO	Mobile filter unit UNI 2.2 C 1,1kW 400V/3Ph/50-60Hz - Filtration efficiency BIA“M” >99% - Black/blue - Automatic Start/Stop function

REPLACEMENT FILTERS

Replacement filters	Code	Description
	RF0UNI2200021	Kit replacement filters for UNI 2.2 including: spark arrester, cartridge filter
	RF0UNI2200022	Kit replacement filters for UNI 2.2 including: spark arrester
	RF0UNI2200023	Kit replacement filters for UNI 2.2 including: cartridge filter

OPTIONAL FILTERS

Active carbons filter	Code	Description
	RF0UNI2200003	Kit replacement filters for UNI 2.2 including: active carbons filter (pair)

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MOBILE FILTER UNIT - UNI 2 C W3

Professional mobile filter unit tested and approved by IFA for W3 compliance, with cartridge filter






TECHNICAL FEATURES

Model	Fan capacity m ³ /h	Extraction at hood m ³ /h	Filtration efficiency Rule / %	Main filter Type	Filtering area m ²	Motor power kW - V/Hz	Noise dB (A)	Dimension WxLxH mm	Total weight kg
UNI 2.2 C W3	2250	1100	M / >99	Cartridge	12,55	1,1 - 230/50	≤70	600x800x1200	105
UNI 2.2 C W3	2250	1100	M / >99	Cartridge	12,55	1,1-400/50-60	≤70	600x800x1200	105

UNI 2.2 C W3

Code	Description
UNI22W0000AGO	Mobile filter unit UNI 2.2 C - IFA W3 certified - 1,1kW 230V/1Ph/50Hz - Black/grey
UNI22W1000AGO	Mobile filter unit UNI 2.2 C - IFA W3 certified - 1,1kW 400V/3Ph/50-60Hz - Black/grey
UNI22W00S0AGO	Mobile filter unit UNI 2.2 C - IFA W3 certified - 1,1kW 230V/1Ph/50Hz - Black/grey - Automatic Start/Stop function
UNI22W10S0AGO	Mobile filter unit UNI 2.2 C - IFA W3 certified - 1,1kW 400V/3Ph/50-60Hz - Black/grey - Automatic Start/Stop function

REPLACEMENT FILTERS



Replacement filters	Code	Description
	RF0UNI2200021	Kit replacement filters for UNI 2.2 including: spark arrestor, cartridge filter
	RF0UNI2200022	Kit replacement filters for UNI 2.2 including: spark arrestor
	RF0UNI2200023	Kit replacement filters for UNI 2.2 including: cartridge filter

OPTIONAL FILTERS


Active carbons filter	Code	Description
	RF0UNI2200003	Kit replacement filters for UNI 2.2 including: active carbons filter (pair)

ACCESSORIES FOR ALL VERSIONS OF UNI 2


ARTICULATED ARMS

Articulated arms	Code	Description
	ARMOFLEX160200	ARMOFLEX articulated arm - Ø 160 mm - L. 2000 mm
	ARMOFLEX160300	ARMOFLEX articulated arm - Ø 160 mm - L. 3000 mm
	ARMOFLEX160400	ARMOFLEX articulated arm - Ø 160 mm - L. 4000 mm
	ARMOTECH125200	ARMOTECH articulated arm - Ø 125 mm - L. 2000 mm
	ARMOTECH125300	ARMOTECH articulated arm - Ø 125 mm - L. 3000 mm
	ARMOTECH160200	ARMOTECH articulated arm - Ø 160 mm - L. 2000 mm
	ARMOTECH160300	ARMOTECH articulated arm - Ø 160 mm - L. 3000 mm


FITTINGS

Adapter for twin arm	Code	Description
	50FILU02204	Plate with double hole Ø 125 mm for UNI 2.2

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





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Rubber extension cables	Code	Description
	DBPZ1F10SCSC0	Rubber extension cable L. 10 m - 3x2,5 - Schuko connectors
	DBPZ1F20SCSC0	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

FILTERS

Filters for UNI 2	Code	Description
	RF0UNI2200003	Kit replacement filters for UNI 2.2 including: active carbons filter (pair)
	50FILU02212	Discharge plate with hole Ø 200 mm for discharge flexible hose
	RF0UNI2200008	Kit replacement filters for UNI 2.2 including: active carbons filter suited for unit with discharge hole plate
	RF0UNI2200007	Kit replacement filters for UNI 2.2 including: paint stop filter (advisable to use together with active carbons filter)