

OTS

MOBILE PROFESSIONAL FILTER UNIT FOR FUME TORCHES



Use

Extraction of welding fumes with fume torches

Construction

Painted steel

Applications



MIG MAG



Pulse
MIG MAG



MMA
Stick
electrode



TIG

MAIN FEATURES

High-pressure extraction system thanks to the side channel blower placed downstream of the filter stages and traversed only by clean air. Control panel with main switch and pc board with user interface.

Automatic cleaning: accumulation system for compressed air designed by Aerservice to ensure the max performance of cartridge cleaning.

The automatic Start&Stop function is supplied as standard on the unit. 3 m supply cable with industrial plug.

STRUCTURE

Cabinet in powder-coated steel with robust castors and handles.

Filter inspection door with key for safety lock.

A spark trap is located upstream of the filtering stages.

ACCESSORIES

Special quick coupling designed by Aerservice to ensure rapid change of the extraction hose (Ø 40 - 50 - 60 mm).

Extraction hose Ø 40 - 50 - 60 mm.

The inverter (available upon request) provides a fine adjustment of the extraction capacity.

FILTERING SECTION

The filter section is composed of 2 stages:

- Polyester cartridge filters, cert. BIA "M" (**99% efficiency**), with quick bayonet coupling.
- Active carbons filter (1,5 kg) for deodorizing and filtration of VOCs (useful in case of stainless steel, galvanized steel, chrome TIG...).

USE

Extraction of welding fumes with fume torches, to capture pollutants directly at source and safeguard the health of welders.

Suitable for close and difficult-to-reach environments, where standard extraction systems cannot be used.

Suited for dry welding fumes only – no oily fumes.

Not suitable for the use in potentially hazardous work areas.

CERTIFICATIONS



PACKING



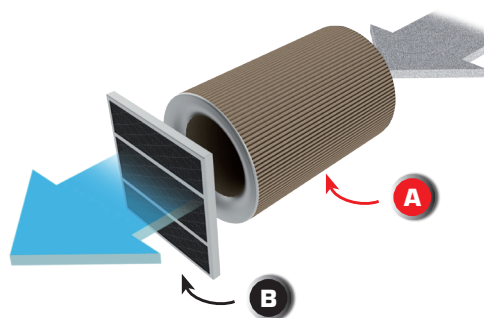
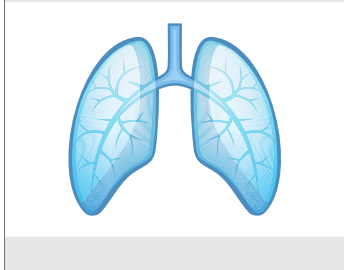
(80x80x75 cm)

TECHNICAL FEATURES

Code	Hose max length m	Intakes available No.	Supply V/Ph/Hz	Motor power kW	Extraction m ³ /h	Motor control Type	Noise dB (A)	Dimension WxLxH mm	Total weight kg
OTS01C00C0AA0	5	1	230/1/50	1,6	100	-	66	370x720xH550	70
OTS01C00CIAA0	5	1	230/1/50	1,6	100	Inverter	66	370x720xH550	70
OTS02C10C0AA0	5	2	400/3/50	2,2	200	-	66	370x720xH550	70
OTS02C10CIAA0	5	2	400/3/50	2,2	200	Inverter	66	370x720xH550	70

FILTRATION

All the filters are tested / certified according to the CEN 779 - EUROVENT 4/4 - CEN EN 1822 standards



Filtration stage	Type and description	Filter dimensions mm	Efficiency %
A 	Polyester cartridge filters	Ø 280	M 99
B 	Active carbons filter	23	

OTS

Code	Description
OTS01C00C0AA0	OTS Hi-vac on torch unit 230V 50Hz 1,6kW - 1 fume torch - Black/red
OTS01C00CIAA0	OTS Hi-vac on torch unit 230V 50Hz 1,6kW - With inverter - 1 fume torch - Black/red
OTS02C10C0AA0	OTS Hi-vac on torch unit 400V 50Hz 2,2kW - 2 fume torches - Black/red
OTS02C10CIAA0	OTS Hi-vac on torch unit 400V 50Hz 2,2kW - With inverter - 2 fume torches - Black/red

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REPLACEMENT FILTERS

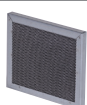
Cartridge filter for OTS	Code	Description
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RF00TS0000000

Kit replacement filters for OTS including: cartridge filter

Active carbons filter for OTS	Code	Description
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RF00TS0000001

Kit replacement filters for OTS including: active carbons filter

ACCESSORIES

FITTINGS AND HOSES

Quick coupling	Code	Description
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ART0M060040

Quick coupling OTS - flexible hose T15 Ø 40 mm

ART0M060050

Quick coupling OTS - flexible hose T15 Ø 50 mm

ART0M060060

Quick coupling OTS - flexible hose T15 Ø 60 mm

Stopper	Code	Description
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ART0M060000

Stopper for OTS intake

Extraction hose	Code	Description
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T1500410002000

Extraction hose T15 Ø 40 mm - L. 2 m

T1500410005000

Extraction hose T15 Ø 40 mm - L. 5 m

T1500510002000

Extraction hose T15 Ø 50 mm - L. 2 m

T1500510005000

Extraction hose T15 Ø 50 mm - L. 5 m

T1500630002000

Extraction hose T15 Ø 60 mm - L. 2 m

T1500630005000

Extraction hose T15 Ø 60 mm - L. 5 m