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Portable Case-Type Welding Fume Purifier SER201



COD: SER201000000000

Portable welding fume extractor with three-stage filtration: spark-arresting metal pre-filter, cartridge filter with efficiency above 99% and activated carbon filter. Compact and fitted with a handle, the SER201 welding fume purifier extracts and filters fumes directly at the point where they are generated, in occasional MIG/MAG, MMA and TIG welding. Portable mechanical-filtration purifier for extracting welding fumes directly at source. Compact, with a case-type format and carrying handle, it is designed for occasional use with medium-low pollutant concentrations in MIG/MAG, MIG/MAG Pulse, MMA and TIG processes.

MADE IN ITALY

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Insight

Il SER201 è un depuratore portatile per fumi di saldatura, estremamente compatto, dotato di maniglia per il trasporto e con un peso di 20 kg. Questo aspiratore fumi di saldatura portatile è progettato per aspirare e filtrare i fumi direttamente nel punto in cui vengono generati ed è indicato per processi di saldatura occasionali, in assenza di olio o grasso.

Come funziona l'aspiratore portatile per fumi di saldatura

La cappa di aspirazione, collegata a un tubo flessibile Ø 50 mm lungo 2 m, mantiene autonomamente qualsiasi posizione grazie all'asta con magnete e può quindi essere posizionata vicino al punto di saldatura. L'aria aspirata viene depurata dai filtri e reimmessa nell'ambiente di lavoro; in alternativa, collegando all'uscita aria un secondo tubo flessibile Ø 50 mm (non in dotazione), può essere espulsa in un altro ambiente.

Filtrazione dei fumi di saldatura a tre stadi

– Prefiltro metallico antiscintilla
– Filtro a cartuccia in classe M (DIN EN 60335-2-69) con efficienza superiore al 99%, superficie filtrante di 2,7 m² e media filtrante in 80% cellulosa e 20% PET
– Filtro a carboni attivi da 1,5 kg

Applicazioni

Il depuratore fumi SER201 è adatto ai fumi secchi, non oleosi, prodotti dalla saldatura elettrica nei processi MIG/MAG, MIG/MAG Pulse, MMA (elettrodo) e TIG, con concentrazioni medio-basse di inquinante. Va utilizzato esclusivamente in ambienti chiusi e non è adatto all'uso in ambienti potenzialmente esplosivi (ATEX), né all'aspirazione di scintille da molatura o di vapori oleosi.

Utilizzo e manutenzione

Il depuratore si accende con l'interruttore ON-OFF luminoso: la luce verde segnala il corretto funzionamento. I filtri si sostituiscono dallo sportello di ispezione posto sul fondo della macchina; oltre alla sostituzione dei filtri e al controllo del braccio di aspirazione, l'apparecchio non richiede manutenzioni specifiche. Su richiesta è disponibile la versione con alimentazione a 110 V, 50/60 Hz.

Contenuto della confezione

· aspiratore
· mt di tubo aspirazione
· n.1 cappa con magnete
· cavo di alimentazione con presa shuko 2m

The SER201 is an extremely compact portable welding fume purifier, fitted with a carrying handle and weighing 20 kg. This portable welding fume extractor is designed to extract and filter fumes directly at the point where they are generated and is suitable for occasional welding processes, in the absence of oil or grease.

How the portable welding fume extractor works

The extraction hood, connected to a 2 m long Ø 50 mm flexible hose, holds any position on its own thanks to the magnetic rod and can therefore be placed close to the welding point. The extracted air is cleaned by the filters and returned to the working environment; alternatively, by connecting a second Ø 50 mm flexible hose (not supplied) to the air outlet, it can be discharged into another room.

Three-stage welding fume filtration

– Spark-arresting metal pre-filter
– Class M cartridge filter (DIN EN 60335-2-69) with efficiency above 99%, filter surface of 2.7 m² and filter media made of 80% cellulose and 20% PET
– 1.5 kg activated carbon filter

Applications

The SER201 fume purifier is suitable for the dry, non-oily fumes produced by electric welding in MIG/MAG, MIG/MAG Pulse, MMA (stick electrode) and TIG processes, with medium-low pollutant concentrations. It must be used exclusively indoors and is not suitable for use in potentially explosive atmospheres (ATEX), nor for extracting sparks from grinding or oily vapours.

Use and maintenance

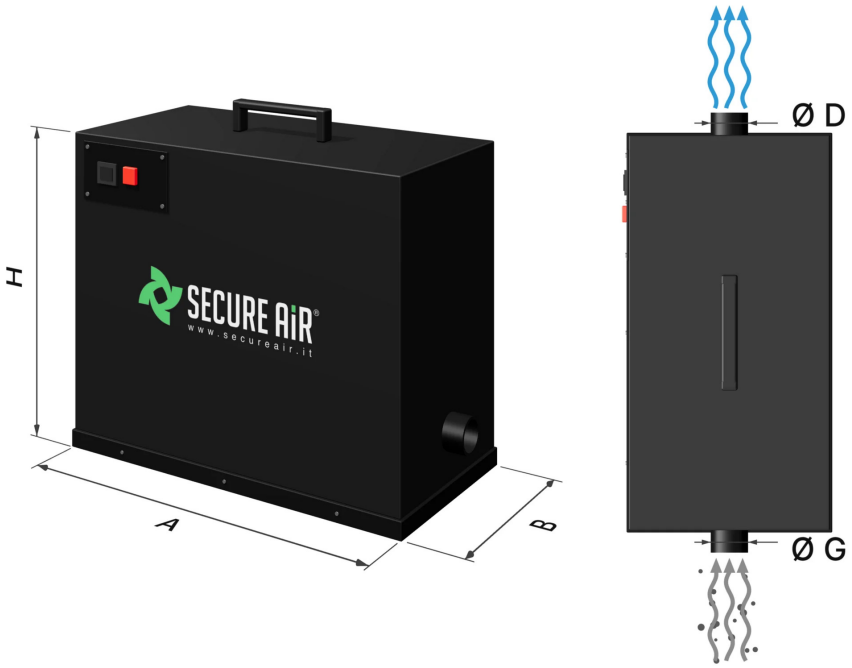
The purifier is switched on with the illuminated ON-OFF switch: the green light indicates correct operation. The filters are replaced through the inspection door on the bottom of the machine; apart from replacing the filters and checking the extraction arm, the unit requires no specific maintenance. A 110 V, 50/60 Hz version is available on request.

Package contents

· extractor

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Dimensions



Code	A mm	B mm	H mm	ØD mm	ØG mm
SER201000000000	530	270	450	50	50

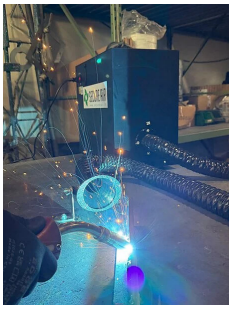
Technical Data

Code	Nominal flow rate m3 / h	Liv son Db (A)	Filter effect %	Weight kg	Motor	Pipe Ø mm	Activated carbon kg
SER201000000000	250	80	99	20	1,1 kw	50	1

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Photogallery







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Related accessories



SER201TS0000000

Ø 50 mm flexible exhaust hose, length 2000 mm, for the SER201 welding fume purifier. It connects to the air outlet and conveys the filtered air into another room, away from the work area.

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Related spare parts



Kit of 2 motor brushes

Restore your SER201 welding fume purifier to full efficiency with the kit of 2 replacement brushes for the 1100 W motor. The brushes wear with use: when they are worn, the extractor may fail to start or lose performance. Replacing them in good time extends the life of the motor and prevents machine downtime. This is an original spare part, specific to the SER201 motor.



Replacement motor

1100 W replacement motor for the SER201 portable welding fume purifier. It is the component that generates the suction: replacing it with an original spare part lets you get the unit back in operation without buying a new one, while maintaining the intended performance. Ideal if the motor has burnt out or reached the end of its service life.



Cable

Power cable with Schuko plug, 250 V – 10 A, 3 m long. It is the specific spare part for connecting the SER201 fume purifier to the mains power supply: useful for replacing a damaged cable or keeping a spare in the workshop, so you can always work safely.



T15 flexible extraction hose

Highly flexible PVC hose with steel wire spiral, for the extraction of fumes and dust. It withstands temperatures up to 85 °C and has good chemical resistance. It is available in diameters of Ø 40, Ø 50 and Ø 60 mm, with a length of 2000 mm: choose the size that suits your fume extraction system.



T19 flexible extraction hose

Hose made of polyester fabric with double PVC coating and steel wire spiral, resistant to abrasion and corrosion, for the extraction of gases and welding fumes. It withstands temperatures up to 90 °C. Diameter Ø 50 mm, length 2000 mm, compatible with the SER201 fume purifier. It is the right choice for intensive use in the workshop.
T19 flexible extraction hose
Hose made of polyester fabric with double PVC coating and steel wire spiral, resistant to abrasion and corrosion, for the extraction of gases and fumes. It withstands temperatures up to 90 °C. It has a diameter of Ø 50 mm and a length of 2000 mm.

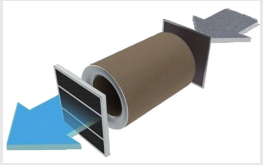
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Conical nozzle with rod and magnet

Conical extraction nozzle (H. 120 mm, Ø 48–90 mm) with rod and magnetic base, for the SER201 welding fume purifier. The magnet allows it to be fixed to metal surfaces and the rod holds it in the chosen position, so the nozzle stays close to the welding point and fumes are captured directly at source.



Filter kit: spark arrestor filter, 99% cartridge filter, activated carbon filter

The original filter kit for the SER201 welding fume purifier contains all three filtration stages:

- spark-arresting metal pre-filter (12 mm, G2 25%);
- cartridge filter (Ø 125 x L. 285 mm, BIA class “M” > 99%);
- activated carbon filter (1.5 kg).

With a single purchase you renew the entire filtration section and restore the purifier to its original filtration performance. It is recommended to replace the filters periodically, for example every 3 months depending on use, without waiting until they are completely clogged.



Replacement filter: cartridge filter

Original cartridge filter for the SER201 welding fume purifier: Ø 125 mm, length 285 mm, BIA “M” filtration efficiency above 99%. It is the machine’s main filter and retains the particulate matter in welding fumes. A clogged filter reduces suction capacity and puts strain on the motor: replacing it in good time keeps the purifier efficient and protects the motor.

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