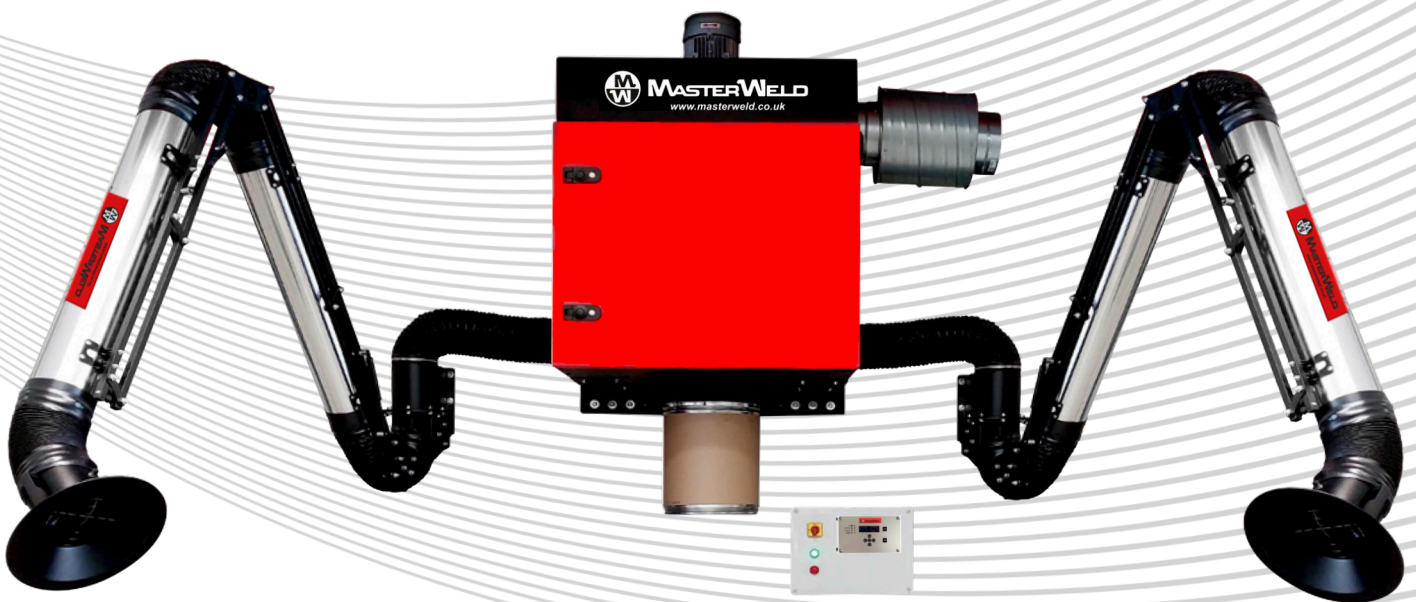




# MASTERWELD

[www.masterweld.co.uk](http://www.masterweld.co.uk)

## MW1902-SC Self Cleaning Wall Mounted Welding Fume Extractor



# WALL-MOUNTED FILTER UNIT FOR WELDING FUMES AND DUST FROM GRINDING / THERMAL CUTTING

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

**Construction** Powder-coated steel

## Applications



MIG MAG



Pulse MIG MAG



MMA Stick electrode



TIG



PLASMA CUTTING



GRINDING

## MAIN FEATURES

The range of wall-fitting filter units MW1902-SC provides maximum performance in a most compact cabinet and is therefore ideal for indoor installation.

The cartridge filters and the automatic cleaning function make this unit ideal for the extraction of fumes and micro-dust with medium concentrations, such as in MMA or MIG welding processes or in sanding.

## VERSIONS

MW1902-SC – suited for 1 extraction point

MW1902-SCD – suited for 2 extraction points

## STRUCTURE

Supporting structure made of painted sheet metal. Filter inspection door with double compression handle. 25-liter dust collector bin with hermetic closure.

The plug-fan extractor is incorporated in the unit. Discharge hole on the right or left side according to the installation requirements.

**FILTERING SECTION** Filtering section including, depending on the version, 1 or 2 high efficiency cartridge filters made with a patented compound of self-extinguishing cellulose and external layer of nanofibers. The cartridges are also suitable for applications with hot pollutants (FR – Flame Retardant technology). The automatic cleaning system by compressed air guarantees a long duration of the cartridges.

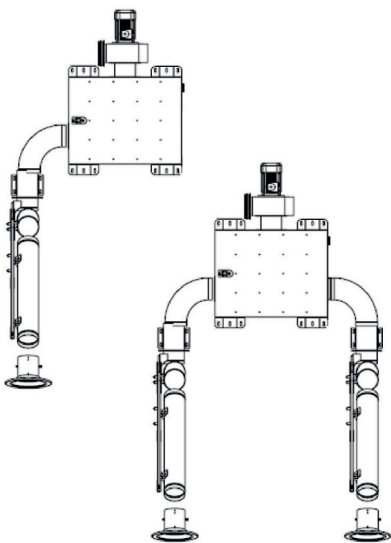
Optional: activated carbon filter for the filtration of VOC volatile organic compounds.

## EXTRACTION

A plug-fan system made with an impeller with backward curved blades in welded and painted steel ensures excellent resistance and high mechanical characteristics.

## CONTROL PANEL

The digital control panel (for installation on the wall) is complete with thermal protection for the electric motor and with a pcb to manage all machine data such as cyclic cleaning of the cartridges, filter clogging alarm, safety micro switch on the inspection door, operating hours, alarms, etc. A phase sequence relay is provided to establish the correct electrical wiring and direction of rotation of the impeller. Complete electrical wiring to the machine and its components: just connect the mains supply cable to the appropriate terminal block and the unit is ready to start.





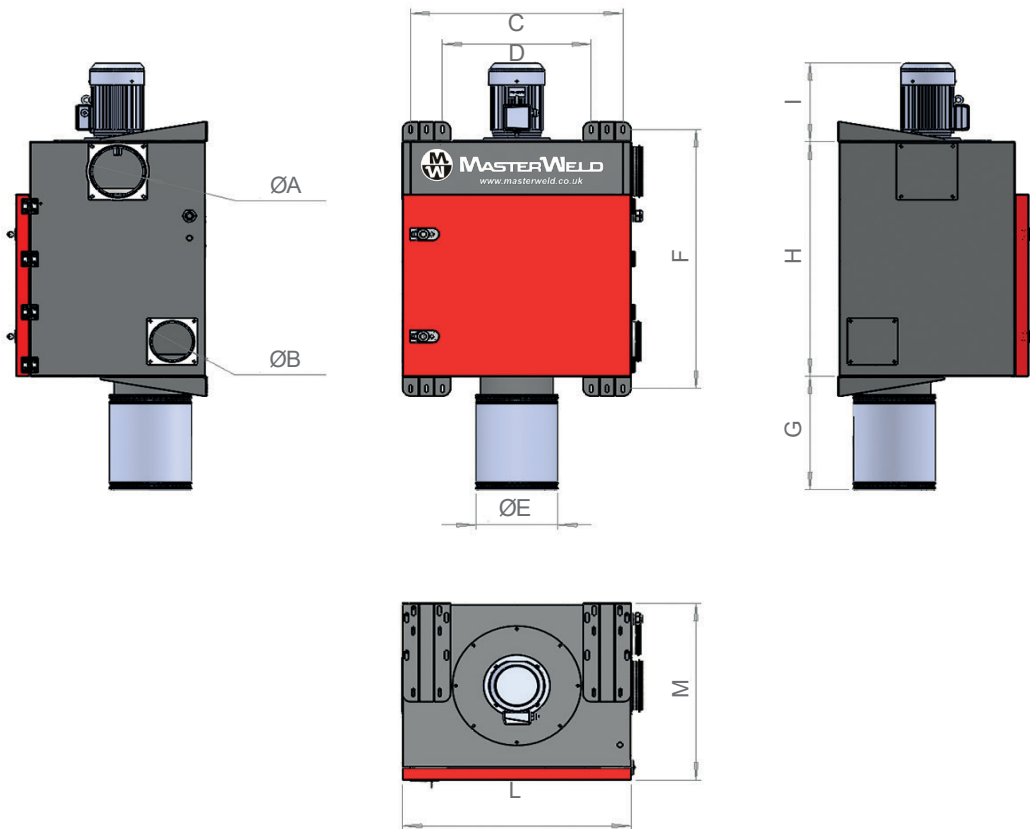


## WALL-MOUNTED SELF CLEANING MW1902-SC

Wall-mounted filter unit with cartridge filter



## DIMENSIONS



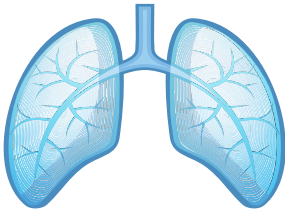
ØA	ØB	C	D	ØE	F	G	H	I	L	M
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
199	158	800	560	310	1053	461	953	321	860	718



## TECHNICAL FEATURES

Model	Fan Flow Rate m <sup>3</sup> /h	Extraction capacity m <sup>3</sup> /h	Cartridges No.	Filtration efficacy %	Residual pressure Pa	Air consumption NI/min	Supply voltage kV/V/Hz	Sound level dB(A)	Weight kg
MW1902-SC	5400	1500	1	BIA >99	200	0,08	3/400/50-60	73	130
MW1902-SCD	5400	3000	2	BIA >99	150	0,16	3/400/50-60	73	138




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



## MW1902-SC

Code	Description
S.1702-SC	MasterWeld MW1902-SC Wall Mounted Welding Fume Extractor
S.1702-SCD	MasterWeld MW1902-SCD Wall Mounted Welding Fume Extractor


## REPLACEMENT FILTERS

Replacement filters	Code	Description
	S.1702-CF1	Set of filters for MW1902-SC incl.: 1 cartridge filter
	S.1702-CF2	Set of filters for MW1902-SC incl.: 2 cartridge filters
	S.1702-ACF	Set of filters for MW1902-SC incl.: 1 active carbons filter 20 kg
	S.1702-DCB	Spare parts for MW1902-SC incl.: 1 dust collector bin




## ACCESSORIES

### ARTICULATED ARMS


Articulated arm	Code	Description
	S.1700-WM2	MASTERFLEX articulated arm - Ø 160 mm - L. 2000 mm
	S.1700-WM3	MASTERFLEX articulated arm - Ø 160 mm - L. 3000 mm
	S.1700-WM4	MASTERFLEX articulated arm - Ø 160 mm - L. 4000 mm

	S.1700HD-WM2	MASTERTECH articulated arm - Ø 160 mm - L. 2000 mm
	S.1700HD-WM3	MASTERTECH articulated arm - Ø 160 mm - L. 3000 mm
	S.1700HD-WM4	MASTERTECH articulated arm - Ø 160 mm - L. 4000 mm

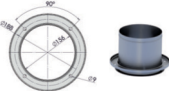
### WALL BRACKETS

Wall bracket for centralized plant	Code	Description
	S.1702-WB	Wall bracket for connection to flex hose Ø160 mm

### EXTENSIONS FOR ARMS


Mastertech extension for articulated arms	Code	Description
	S.1701-1EXT	Mastertech Extension Arm for extraction arm Ø160 mm - L. 1000 mm
	S.1702-2EXT	Mastertech Extension Arm for extraction arm Ø160 mm - L. 2000 mm
	S.1702-3EXT	Mastertech Extension Arm for extraction arm Ø160 mm - L. 3000 mm
	S.1702-4EXT	Mastertech Extension Arm for extraction arm Ø160 mm - L. 4000 mm

### FITTINGS


Adapter for flexible hose Ø 160 mm on wall bracket	Code	Description
	S.1702-FHA	Adapter for connection of hose Ø160 mm on bracket Ø160 mm




## SILENCERS

Silencer for discharge channel	Code	Description							
	S.1702-SDC	Silencer with give for spiral ducts - Ø200mm - L. 600mm - Insulation thickness 100 mm							
		Reduction in dB on the central frequency							
		63	125	250	500	1K	2K	4K	8K
		3	7	14	21	24	21	12	19

## JOINTS

Coupling sleeve female	Code	Description
	S.1702-CSF	Coupling Ø200mm female

Adaptor male/male	Code	Description
	S.1702-AM25	Adapter male/male Ø250 mm - Ø200 mm
	S.1702-AM3	Adapter male/male Ø300 mm - Ø200 mm
	S.1702-AM31	Adapter male/male Ø315 mm - Ø200 mm



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