



FUME CONTROL  
**AllCLEAR**

**Product Guide**

Edition 23



[www.allclearfumecontrol.com.au](http://www.allclearfumecontrol.com.au)



## About Us

AllClear is a brand of quality air filtration products made especially for fume extraction. We specialize in offering a solution to one of today's biggest safety issues in the welding industry – Fume. AllClear is a brand of Excision Pty Ltd that is an Australian owned and operated company.

## Our Vision

To create clean air in industry to save lives and make a safer and improved future for all.

## Our Mission

To provide a quality air cleaning solution that meets compliance issues and saves lives.



## Understanding Fume

Every kind of dust and fume can lead to respiratory disease.

Activities like welding, grinding, and cutting create hazardous fumes. When metals heat above their melting point, they vaporize and condense to fine particles. These fine particles form fumes that become air born and breathed in by workers. In March 2017, the International Agency For Research on Cancer reclassified welding fumes as carcinogenic.

Welding fumes contain carcinogenic particles such as nickel compounds and chromatics that must be filtered to remove these hazardous particles. Positioning a fume extraction system close to the process, allows for a safe, flexible, inexpensive solution and a safer working environment for all workers.

## How do we help?

At Allclear we have the mission of providing a quality air cleaning solution that meets compliance issues and saves lives. In meeting compliance we offer a solution that meets highest level of safety protection – Elimination. We offer extraction solutions that extract the fume at the source therefore eliminating the risk of fumes. They also filter the fume therefore maintaining clean

air in workshops and also better for the environment. It also must be understood that PPE such as personal respirators is the lowest on the hierarchy of risk control and this is because the fumes are not being removed and could even affect other employees that may not be welding but in the same workshop or area.



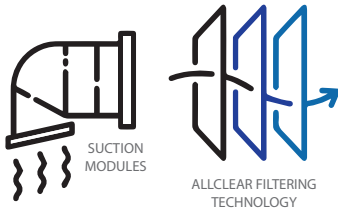
# FUME CONTROL

# AllCLEAR

# Excision

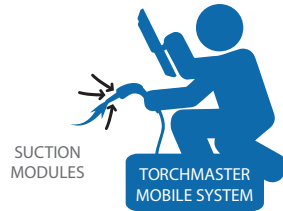
## ABOVE THE SOURCE EXTRACTION

Extract and filter the fumes wherever you are welding



## AT THE SOURCE EXTRACTION

Extract the fumes as you weld



The AllClear Solution = Eliminating

## UNDER THE SOURCE EXTRACTION

Extract and filter the fumes under your welding table



ROOM VENTILATION  
Extract and filter the fumes for the whole workshop



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### MA350

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# FA25

The Allclear FA25 suction arms and motor is an economical, no filter alternative for dust extraction. The arms are easily positioned and remain self-supported in the adjusted position.

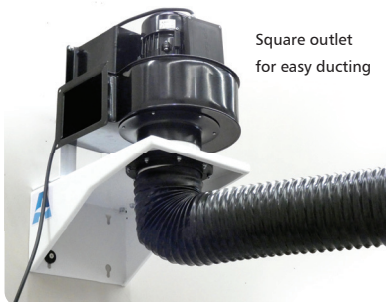


## Pivoting Suction Arms

- Available in 2 lengths 3m and 4m
- 150mm diameter suction hose
- 160mm diameter intake nozzle hood
- Temperature resistance up to 120C
- Flexible PVC suction hose with welded steel wire coil
- Wall mounted bracket and 90° elbow included with the suction arms

Technical Data	
Motor Power:	1.1kW
Mains Supply	220v
Motor Dimensions mm (L x W x H)	438 x 449 x 410
Motor Weight	27kgs
Fan Type	Static and dynamic balanced impeller

Code	
Motor	91025FA1
3m arm assembly	91005003
4m arm assembly	91005004



Square outlet for easy ducting



Includes simple control box



# TA100

The Allclear TA100 is a mobile down draft table suitable for welding and light grinding applications.

## Safe Work Area

Allclear TA100 offers a fume extraction solution for extracting dangerous welding and grinding fume particles ensuring a safe and healthy working environment.

Equipped with a cassette type main filter and a G4 + mesh prefilter, the TA100 is a compact, ergonomic, and a great economical solution.

It provides 7m per second air speed on the working surface provided by a 1kW AC motor 240V.

The TA100 is made from a rust proof galvanized body and is mounted on caster wheels for greater mobility.



Technical Data	
Motor Power	1.0 kW
Mains Supply	220v / 50Hz
Maximum Air Flow	3000m <sup>3</sup> per hour
Average Flow at Surface	1200m <sup>3</sup> per hour
Main Filter	F9 cassette filter
Pre Filter	G4 + mesh
Carrying Capacity	500 Kgs
Body	Galvanised Steel
Fan	Aluminium
Noise	68 dba
Sound Insulation	Acoustic Sponge
Dimensions mm (L x W x H)	700 x 1100 x 1255
Weight	50kgs

Code
91100TA1



Mobile



Manual standard filter cleaning

Filters	Part Number
F9 Box Filter	91990117
Spark Arrestor	91990119

# MA100

The Allclear MA100 is a durable welding and grinding fume extraction unit equipped with a 3-metre arm. It is one of the most compact and economical products of the Allclear fume extraction system series. Mounted on casters for greater mobility, the Allclear MA100 has cleanable filters and an impact plate above the filter to reduce the risk of burnout and increase the life of the filters.

### Safe Work Area

Allclear MA100 offers a fume extraction solution for extracting dangerous welding and grinding fume particles ensuring a safe and healthy working environment.

### Incorporating technology such as:

- Cleanable cartridge filter
- High extraction performance
- Ideal filtration rate

### Available options include:

- HEPA filter
- Carbon filter



Technical Data	
Motor Power	1.1kW
Mains Supply	220 V / 50Hz
Maximum Air Flow	3000m <sup>3</sup> per hour
Air Flow at Suction Point	1600m <sup>3</sup> per hour
Area of Filter Cartridge	14.5 m <sup>2</sup>
Filter Cleaning	Manual
Standard Arm Length	3 metres
Body	Galvanised Steel
Fan	Aluminium
Noise	74 dBA
Sound Insulation	Acoustic sponge
Dimensions mm (L x W x H)	780 x 600 x 1000
Weight	100kgs

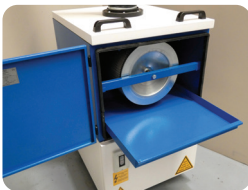
Code
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Filters	Part Number
F9 Cartridge Filter	91990116
Hepa H13 Cartridge Filter	91990118
Carbon Filter	91990120



### Features Included:

- Compact design takes up little space in the work area and allows for easy mobility
- Ergonomic design allows the user to access all functions
- Unique mechanism used in the joints of the acrobat arm with internal mechanism prevents metal fatigue and the integrity of the arm
- Filter cleaning door provides easy and safe access to the cartridge filter
- Cartridge filter is 29m<sup>2</sup> surface and nanofiber structure provides very high filtration efficiency and long life
- Suction hood catches the particles with its large structure which is lightweight and durable
- Unique patented dust collection system extends life meaning safer dust removal is achieved and dust can be discharged even when the machine is running.



Easy dust collection system



Simple filter cleaning door

# MA300

## AUTO

### *Automatic Filter Cleaning*

The Allclear MA300-auto is a durable mobile welding fume extraction unit equipped with a 3-metre arm. The Allclear MA300-auto has an auto air rotating filter cleaning system. The Allclear MA300-auto has cleanable cartridge filters, working hour counter, filter fullness indicator, malfunction warning and a special dust collection bin. Mounted on caster wheels for greater mobility, the Allclear MA300-auto has an impact plate above the filter to reduce the risk of burnout and increase the life of the filters.

### **Safe Working Area**

Allclear MA300 auto offers a fume extraction solution for extracting dangerous welding and grinding fume particles ensuring a safe and healthy working environment.

### **Incorporating technology such as:**

- Cleanable cartridge filter
- High extraction performance
- Ideal filtration rate

### **Available options include:**

- HEPA filter
- Carbon filter



Code
91300MA1

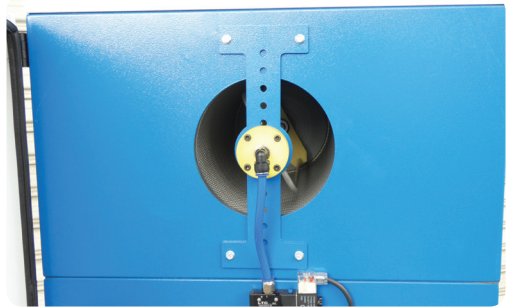


Auto standard  
filter cleaning



Mobile

Technical Data	
Motor Power	1,1 kW - 3000 rpm
Mains supply	220 V / 50Hz
Air flow at extraction point	1270 m3/h
Area of filter cartridges	14,5 m2
Filter clean	Manual
Standard arm lenght	3 metre
Arm type	Outer mechanism
Body	Galvanised steel
Fan	Aluminium
Sound pressure	72 dbA
Sound insulation	Acoustic sponge
Dimensions (L-W-H)	740 mm - 700 mm - 1045 mm
Weight	122 kg
Test certification	TUV Austria



# MA350

The Allclear MA350 is a durable mobile welding and grinding fume extraction unit equipped with 2 x 3-metre arms. The Allclear MA350 has cleanable cartridge filters, working hour counter, filter fullness indicator, malfunction warning and a special dust collection bin. Mounted on caster wheels for greater mobility, the Allclear MA350 has an impact plate above the filter to reduce the risk of burnout and increase the life of the filters.



### Incorporating technology such as:

- Cleanable cartridge filter
- High extraction performance
- Ideal filtration rate

### Available options include:

- HEPA filter
- Carbon filter

Technical Data	
Motor Power:	2.2kw
Mains Supply	415v
Maximum Air Flow	3500m3 per hour
Air Flow at Suction Point	1270m3 per hour
Area of Filter Cartridge	2 x Cartridge 2 x 14m2
Filter Cleaning	Manual
Standard Arm Length	2 x 3m long
Body	Galvanised Steel
Fan	Aluminium
Noise	72 dba
Sound Insulation	Acoustic Sponge
Dimensions mm (L x W x H)	720 x 785 x 1480
Weight	137kgs

Code
91350MA3



Mobile

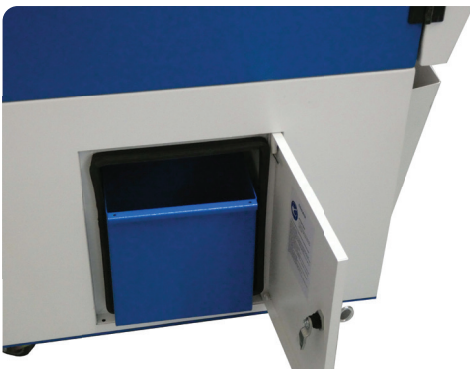


Manual standard filter cleaning (MA350 Only)

Filters	Part Number
F9 Cartridge Filter	91990116
Hepa H13 Cartridge Filter	91990118
Carbon Filter	91990122

### Features Included:

- Compact design takes up little space in the work area and allows for easy mobility
- Ergonomic design allows the user to access all functions
- Unique mechanism used in the joints of the acrobat arm with internal mechanism prevents metal fatigue and the integrity of the arm
- Filter cleaning door provides easy and safe access to the cartridge filter
- Cartridge filter is 29m<sup>2</sup> surface and nanofiber structure provides very high filtration efficiency and long life
- Suction hood catches the particles with its large structure which is lightweight and durable
- Unique patented dust collection system extends life meaning safer dust removal is achieved and dust can be discharged even when the machine is running.



# MA350

## AUTO

### *Automatic Filter Cleaning*

The Allclear MA350 Auto is a durable mobile welding and grinding fume extraction unit equipped with 2 x 3-metre arms. The Allclear MA350-auto has an auto air rotating filter cleaning system. The Allclear MA350 Auto has cleanable cartridge filters, working hour counter, filter fullness indicator, malfunction warning and a special dust collection bin. Mounted on caster wheels for greater mobility, the Allclear MA350 has an impact plate above the filter to reduce the risk of burnout and increase the life of the filters.



### Incorporating technology such as:

- Cleanable cartridge filter
- High extraction performance
- Ideal filtration rate

### Available options include:

- HEPA filter
- Carbon filter

Technical Data	
Motor Power:	2.2kw
Mains Supply	415v
Maximum Air Flow	3500m <sup>3</sup> per hour
Air Flow at Suction Point	1270m <sup>3</sup> per hour
Area of Filter Cartridge	2 x Cartridge 2 x 14m <sup>2</sup>
Filter Cleaning	Auto
Standard Arm Length	2 x 3m long
Body	Galvanised Steel
Fan	Aluminium
Noise	72 dba
Sound Insulation	Acoustic Sponge
Dimensions mm (L x W x H)	720 x 785 x 1480
Weight	137kgs

Filters	Part Number
F9 Cartridge Filter	91990116
Hepa H13 Cartridge Filter	91990118
Carbon Filter	91990122

Code
91350AMA3



Auto standard filter cleaning (MA350 Auto only)

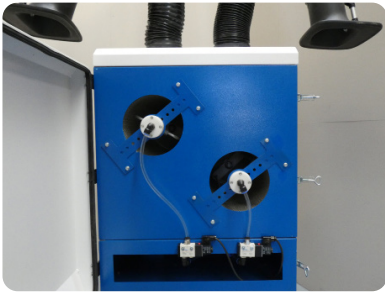


Mobile

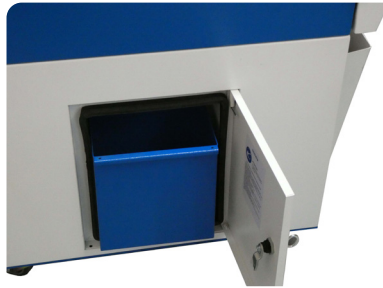


### Features Included:

- Compact design takes up little space in the work area and allows for easy mobility
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- Unique patented dust collection system extends life meaning safer dust removal is achieved and dust can be discharged even when the machine is running.



Effective Auto rotary filter cleaner



Simple air supply to power filter cleaning



# Fume Control Solutions

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Email: [sales@allclearfumecontrol.com.au](mailto:sales@allclearfumecontrol.com.au)

F U M E   C O N T R O L  
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