Weldclass®

WELDING FUME GUIDE

UPDATED NOVEMBER 2026

PRODUCTS BY WELDCLASS DESIGNED TO FUME CONTROL YOUR WORKPLACE.

WELDCLASS FUME HUB:
EVERY SOLUTION FOR CONTROLLING WELDING FUMES

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For more information on ***Fume Control,*** visit our website **weldclass.com.au/fume**

Weldclass

ALLCLEAR MX150M W3
MOBILE FUME EXTRACTOR

7 YEAR WARRANTY OFFER*

MADE IN EU

CLEANABLE FILTER

~230V 10A PLUG

TESTED TO ISO 21904 W3

The **ALLCLEAR® MX150M** is a 230V mobile fume extraction and filtration unit for welding and grinding, compliant with ISO 21904 W3. W3 is a whole-of-system rating, not a filter grade: it covers machine build, system integrity and total filtration efficiency above 99% by mass, which is the class required for high-alloy and stainless steel welding fume.

Equipped with a single 3-metre arm, Sintexx Plus nanofiber cartridge filter, anti-spark trap, hour meter and clogged-filter alarm. Easy filter access allows manual cleaning in situ without removing the cartridge, and collected dust drops into a pull-out drawer.

At 59kg with a 0.43m2 footprint it is the most compact unit in the ALLCLEAR mobile range. Mounted on casters for mobility. 1.1kW motor, operating off single-phase ~230V 10A power supply.



AT A GLANCE

- ✓ **Independently Lab Tested to, and Compliant with, AS/NZS ISO 21904 W3**
- ✓ **Test Result of 99.93% Efficiency, to achieve >99% W3 classification**
- ✓ Operates on 230V 10A single phase power
- ✓ Multiple configurations: Single 3m arm, 10m flexible hose, Downdraft table
- ✓ Compact 59kg unit, with hour meter and clogged filter alarm.
- ✓ Compliant with AS/NZS ISO 21904 W3, the classification called for when welding stainless and high-alloy steels.

Part No.	Description	Retail (Incl. GST)
WMX150MK1	ALLCLEAR® MX150M with Single 3m Arm AS/NZS ISO 21904 W3, 1ph/230V 10A	**$5,790**
WMX150MK2	ALLCLEAR® MX150M with 10m Manual Hose & Hood AS/NZS ISO 21904 W3, 1ph/230V 10A	**$5,390**



Part No.	Description	Retail (Incl. GST)
W06843	Hose & Hood 10m Flexible Manually Positioned with Magnetic Stand Suit ALLCLEAR MX150M, MX250A Weldclass	**$869**



Suited for

- ✓ **MX150M**
- ✓ **MX250A**

AUSTRALIAN SINCE 1979

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ALLCLEAR MX250A W3
MOBILE FUME EXTRACTOR

7 YEAR WARRANTY OFFER*

MADE IN EU

AUTO CLEANING

~230V 10A PLUG

TESTED TO ISO 21904 W3

The ALLCLEAR® MX250A is the top of the ALLCLEAR mobile range: a twin-arm self-cleaning fume extraction and filtration unit compliant with ISO 21904 W3. W3 is a whole-of-system rating, not a filter grade: it covers machine build, system integrity and total filtration efficiency above 99% by mass, which is the class required for high-alloy and stainless steel welding fume.

An automatic compressed-air reverse-jet system cleans the Sintexx Plus nanofiber cartridges on cycle, so filter life and airflow hold up under daily production. Heavy dust drops to the first collection drawer and cleaned dust to the second, with no filter handling. Digital control panel with language selection, hour meter, alarm log, clogged-filter alarm and compressed-air presence check.

Twin 3-metre arms let one unit cover two welders. Mounted on casters for mobility. 1.5kW motor, operating off single-phase ~230V 10A power supply.



AT A GLANCE

- ✓ **Independently Lab Tested to, and Compliant with, AS/NZS ISO 21904 W3**
- ✓ **Test Result of 99.91% Efficiency, to achieve >99% W3 classification**
- ✓ Multiple configurations: Single or Twin arm/s, Single or Twin 10m flexible hose/s
- ✓ Auto Filter Cleaning and Auto Start/Stop (syncs with welding arc)
- ✓ Market-leading Spark Trap system, offers highest level of spark protection and reduced fire risk
- ✓ Compliant with AS/NZS ISO 21904 W3, the classification called for when welding stainless and high-alloy steels.





Part No.	Description	Retail (Incl. GST)
WMX250AK1	ALLCLEAR® MX250A with Single 3m Arm AS/NZS ISO 21904 W3, 1ph/230V 10A	**$11,900**
WMX250AK2	ALLCLEAR® MX250A with Twin 3m Arms AS/NZS ISO 21904 W3, 1ph/230V 10A	**$13,490**
WMX250AK3	ALLCLEAR® MX250A with Single 10m Manual Hose & Hood AS/NZS ISO 21904 W3, 1ph/230V 10A	**$11,850**
WMX250AK4	ALLCLEAR® MX250A AS/NZS ISO 21904 W3 1ph/230V with Twin 10m Manual Hoses & Hoods	**$12,650**

ALLCLEAR MA100
MOBILE FUME EXTRACTOR

7 YEAR WARRANTY OFFER*

MANUAL CLEANING

230V 10A PLUG

WHEELS FOR PORTABILITY

AT A GLANCE

- For welding & grinding fumes
- Operates on ~230V 10A single phase power
- Single 3m arm
- Cleanable filter for longer filter life & reduced operating costs
- 'In Situ' filter cleaning - access via filter cleaning door, clean with compressed air nozzle
- Special spark deflector virtually eliminates fire risk
- One of the most popular ALLCLEAR mobile units
- Compact and mobile



Part No.	Description	Retail (Incl. GST)
91100MA1	ALLCLEAR® MA100 1ph/230V with Single 3m Arm	**$4,950**

ALLCLEAR MA300 AUTO
MOBILE FUME EXTRACTOR

7 YEAR WARRANTY OFFER*

AUTO CLEANING

230V 10A PLUG

WHEELS FOR PORTABILITY

AT A GLANCE

- For welding & grinding fumes
- Operates on ~230V 10A single phase power
- Single 3m arm
- Cleanable filter for longer filter life & reduced operating costs
- Automatic filter cleaning (requires unit to be connected to compressed air supply)
- Special spark deflector virtually eliminates fire risk
- With: working hour counter, filter fullness indicator, malfunction warning, special dust collection bin



Part No.	Description	Retail (Incl. GST)
91300AMA1	ALLCLEAR® MA300 AUTO 1ph/230V with Single 3m Arm	**$7,950**

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ALLCLEAR MA350
MOBILE FUME EXTRACTOR

7 YEAR WARRANTY OFFER*

MANUAL CLEANING

3PH/~400V PLUG

WHEELS FOR PORTABILITY

AT A GLANCE

- For welding, grinding, cutting & gouging fumes
- Operates on ~400V 3-phase power
- Twin 3m arms provide wider reach & minimise the need to move main unit
- Twin filters for increased dust/fume collection capacity
- Cleanable filter for longer filter life & reduced operating costs
- 'In situ' filter cleaning - access via filter cleaning door, clean with compressed air nozzle
- Special spark deflector virtually eliminates fire risk



Part No.	Description	Retail (Incl. GST)
91350MA3	ALLCLEAR® MA350 3ph/415V with Twin 3m Arms	**$8,490**

ALLCLEAR MA350 AUTO
MOBILE FUME EXTRACTOR

7 YEAR WARRANTY OFFER*

AUTO CLEANING

3PH/415V PLUG

WHEELS FOR PORTABILITY

AT A GLANCE

- For welding, grinding, cutting & gouging fumes
- Operates on 415V 3-phase power
- Twin 3m arms provide wider reach & minimise the need to move main unit
- Twin filters for increased dust/fume collection capacity
- Cleanable filter for longer filter life & reduced operating costs
- Automatic filter cleaning (requires unit to be connected to compressed air supply)
- Special spark deflector virtually eliminates fire risk



Part No.	Description	Retail (Incl. GST)
91350AMA3	ALLCLEAR® MA350 AUTO 3ph/415V with Twin 3m Arms	**$10,490**

ALLCLEAR TA100
DOWNDRAFT TABLE

7 YEAR WARRANTY OFFER*

230V 10A PLUG

WHEELS FOR PORTABILITY

AT A GLANCE

- Down-draft table with inbuilt filter
- For welding & light grinding
- Operates on ~230V 10A single phase power
- Compact and mobile
- Ideal for education and training applications
- Ergonomic design with easy access to all functions & replacement filters



Part No.	Description	Retail (Incl. GST)
91100TA1	ALLCLEAR® TA100 Grinding & Welding Table with Fume Extractor	**$6,290**

ALLCLEAR MX150M
WITH DOWNDRAFT TABLE

7 YEAR WARRANTY OFFER*

MADE IN EU

CLEANABLE FILTER

~230V 10A PLUG

AT A GLANCE

- Operates on 230V 10A single phase power.
- Low air flow / clogged filter Alarms and Hour Meter take the guesswork out of maintenance scheduling.
- Spark arrestor shields the cartridge from coarse particles and sparks, reducing fire risk and extending filter life.



Part No.	Description	Retail (Incl. GST)
WMX150MK3	ALLCLEAR MX150M Fume Extraction Grinding & Welding Table 1200x800mm Table Top 1ph/230V 10A	**$6,950**

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ALLCLEAR TA400
DOWNDRAFT TABLE

7 YEAR WARRANTY OFFER* | AUTO CLEANING | 3PH/~400V PLUG | WHEELS FOR PORTABILITY

AT A GLANCE

- Down-draft welding & grinding table with inbuilt filter
- For grinding, welding, and cutting fumes
- Hinged side panels allow placement of longer objects on the table
- Cleanable filter for longer filter life & reduced operating costs
- Heavy-duty 5mm thick table top
- Operates on ~400V 3-phase power, 5 pin
- Automatic filter cleaning



Part No.	Description	Retail (Incl. GST)
WC-TA400	ALLCLEAR TA400 Grinding & Welding Downdraft Table with Filter 3ph/~400V	**$9,450**

ALLCLEAR TA500
BACK & DOWNDRAFT TABLE

7 YEAR WARRANTY OFFER* | AUTO CLEANING | 5 PIN/~400V PLUG | WHEELS FOR PORTABILITY

AT A GLANCE

- Welding and grinding table with inbuilt filter
- Backdraft and Downdraft for optimum fume capture across multiple processes
- For welding, grinding, and cutting fumes
- Spacious 1500 x 550mm workbench area
- Robust 5mm thick heavy-duty worktop
- Hinged side panels allow placement of longer objects on the table
- Heavy-duty build for industrial use, with up to 2,500m^3/hr airflow rate and 500kg load capacity



Part No.	Description	Retail (Incl. GST)
WTA500	ALLCLEAR TA500 Grinding & Welding Down Draft Table with Filter 3ph/~400V	**$11,950**

Weldclass®

INTRODUCING THE ALL NEW FP SERIES.

7 YEAR WARRANTY OFFER*

The **AllClear FP Series** combines a precision fixture point welding table with integrated downdraft extraction, drawing welding fumes and grinding dust downward at the source. ***No overhead hood and no extraction arms getting in the way.***

Full tabletop access allows unrestricted clamping and jigging with globally recognised fixture systems, while consistent downward airflow keeps the work zone clear during welding and grinding. Made in Europe with a powerful 3-phase motor and cleanable filter, the FP Series delivers strong extraction with lower running costs.

Just another industry first from Weldclass.





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ALLCLEAR FP SERIES
FIXTURE POINT DOWNDRAFT TABLE

7 YEAR WARRANTY OFFER*

MADE IN EU

5 PIN/~400V PLUG

WHEELS FOR PORTABILITY

AT A GLANCE

- For welding, grinding and cutting fumes
- Used with industry standard Fixture-Point Welding Tabletops
- Cleanable / reusable filter greatly extends filter life & reduces operating costs
- Consistent suction and prevention of filter clogging and air flow drop, due to cleanable filter

Part No.	Description	Retail (Incl. GST)
WFP12T116	ALLCLEAR FP1200 with 1200x1200x100mm Table Top	**$24,500**
W06774	ALLCLEAR FP1200 Base Unit Only Downdraft base unit only, without table top. Suits 1200x1200mm Table Top	**$20,950**
WFP15T116	ALLCLEAR FP1500 with 1500x1000x100mm Table Top	**$27,900**
W06775	ALLCLEAR FP1500 Base Unit Only Downdraft base unit only, without table top. Suits 1500x1000mm Table Top	**$24,450**
WFP24T116	ALLCLEAR FP2400 with 2400x1200x100mm Table Top	**$44,500**
W06776	ALLCLEAR FP2400 Base Unit Only Downdraft base unit only, without table top. Suits 2400x1200mm Table Top	**$37,450**
WFP30T116	ALLCLEAR FP3000 with 3000x1500x100mm Table Top	**$54,500**
W06777	ALLCLEAR FP3000 Base Unit Only Downdraft base unit only, without table top. Suits 3000x1500mm Table Top	**$44,450**

**5 PIN ~400V Plug Not Included*



With Table Top



Without Table Top

✓ AVAILABLE IN ALL SIZES



ALLCLEAR MT84
ON-TORCH FUME EXTRACTOR

7 YEAR WARRANTY OFFER* | MADE IN EU | 230V 10A PLUG | WHEELS FOR PORTABILITY

AT A GLANCE

- Fume collection that follows your weld
- Designed for high volume & frequent use: Dual motors, large filter & high airflow
- Australia's most powerful on-torch extractor in its class
- Fast, easy, and safe in-situ filter cleaning via jet-clean function
- Compact, portable, with large heavy-duty wheels for rugged workshop use



Part No.	Description	Retail (Incl. GST)
WC-MT84K36E4	ALLCLEAR MT84 **SINGLE-Torch Package** with FT36E 4m MIG Torch	**$5,790**
WC-MT84K2	ALLCLEAR MT84 **TWIN-Torch Package** with 2 x FT36E 4m MIG Torches	**$7,289**
WC-MT84	ALLCLEAR MT84 Fume Extractor Unit Only 230V 10A	**$4,998**

ALLCLEAR MT31
ON-TORCH FUME EXTRACTOR

7 YEAR WARRANTY OFFER* | 230V 10A PLUG | WHEELS FOR PORTABILITY

AT A GLANCE

- Fume collection that follows your weld
- Designed for light/medium industrial applications (For high volume use, consider ALLCLEAR MT84 unit)
- Auto On-Off, syncs with MIG torch trigger*
- Compact and portable



Part No.	Description	Retail (Incl. GST)
WC-MT31K36E4	ALLCLEAR MT31 Fume Extractor Package with FT36E 4m MIG Fume Torch	**$3,999**
WC-MT31	ALLCLEAR MT31 Fume Extractor Unit Only 230V 10A	**$2,999**

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PROMAX 720R
DIGITAL PAPR WELDING HELMET

7 YEAR WARRANTY OFFER*

More Info Click Here



- **Flip-up Lens**
  Wide view grinding visor,
  Side view windows
- **Large 66cm² Viewing Area with V2 (1/1/1/2) rated optics**
  110 x 60mm 'landscape' format for wider & more natural field of view
- **Advanced Digital Controls**
  + illuminated LCD screen
- **Audio, visual and vibration filter alarm**
- **Tested to and complies with AS/NZS 1716 (PAPR-P3), and EN 12941 (TH3)**

Part No.	Description	Retail (Incl. GST)
W06790	PROMAX 720R with R30 PAPR Respirator System	**$599**

PROMAX 850R
DIGITAL PAPR WELDING HELMET

7 YEAR WARRANTY OFFER*

More Info Click Here



Bonus Battery
Two batteries included

- **Flip-up Lens**
  Wide view grinding visor,
  Side view windows
- **Super-size 95cm² Viewing Area** with V1 (1/1/1/1) rated optics
- **Advanced Digital Controls**
  + illuminated LCD screen
- **Audio, visual and vibration filter alarm**
- **Auto Functions**
  Choice of auto or manual shade, sensitivity & delay adjustments
- **Tested to and complies with AS/NZS 1716 (PAPR-P3), and EN 12941 (TH3)**

Part No.	Description	Retail (Incl. GST)
WC-06702	PROMAX 850R with R50 PAPR Respirator System	**$1,148**

ALLCLEAR FA25
WALL MOUNTED FUME EXTRACTOR FAN

7 YEAR WARRANTY OFFER*

230V 10A PLUG

AT A GLANCE

- For welding and grinding dust and fumes*
- Commonly used with ducted systems, where fumes are ducted externally and/or to large central extraction/filter units
- Available with 3m or 4m suction arms (sold separately to the fan)
- Wall-mounted, for minimal intrusion in work spaces



Part No.	Description	Retail (Incl. GST)
WC-FA253M	ALLCLEAR FA25 Fan + 3m Arm Package	**$4,490**
WC-FA254M	ALLCLEAR FA25 Fan + 4m Arm Package	**$4,490**
91005003	ALLCLEAR FA25 Arm Only 3m with 90º Elbow	**$1,750**
91005004	ALLCLEAR FA25 Arm Only 4m with 90º Elbow	**$1,750**
91025FA1	ALLCLEAR® FA25 Fan/Motor Only with Wall-Mounted Bracket & Switch / Control Box	**$2,750**

*This unit is an extraction fan only and does not include a filter. Suitable for welding and grinding fumes, if used together with a suitable filtration and/or ducted system.

ALLCLEAR PD30
PERSONAL FUME DETECTOR

7 YEAR WARRANTY OFFER*

AUSTRALIAN MADE

LIGHTWEIGHT 260G

AT A GLANCE

- Wearable – Get the real reading of fume from where your people are
- Designed and Manufactured in Australia
- Colour coded visuals for fast representation of the air quality
- Shock absorbent protective rubber surround
- Tough and Durable clip to attach to clothing or belts

Time Weighted Average (TWA) Reading

Runtime 12+ Hrs



Part No.	Description	Retail (Incl. GST)
WC-01668	ALLCLEAR® PD30 Personal Fume Monitor	**$1,799**

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Weldclass®

WELDING FUME CONTROL

BROUGHT TO YOUR WORKSHOP





LEV
Capture at source



ON-TORCH
Capture at the arc



DOWNDRAFT
Control at the bench



PAPR
Protect the welder



AIR MONITORING
Verify the result

BOOK A FUME CONTROL DEMO

See the controls working in your own workshop.



SCAN TO BOOK
A FUME CONTROL DEMO

weldclass.com.au/fume

Visit our website for more information **www.weldclass.com.au/fume**

Weldclass®

WHY FUME CONTROL HAS CHANGED

Three changes, one practical response:

CAPTURE • PROTECT • VERIFY



1 CAPTURE AT SOURCE
LEV | ON-TORCH | DOWNDRAFT ▶

2 PROTECT THE WORKERS
PPE (PAPR) FOR RESIDUAL RISK ▶

3 VERIFY THE RESULT
AIR MONITORING

WHAT CHANGED, IN PLAIN WORKSHOP LANGUAGE

JANUARY 2024
5 mg/m3 TO 1 mg/m3

The 8 hour average limit for total welding fume was cut by 80%. The 1 mg/m3 figure is a maximum, not a safe operating target. General ventilation alone may not control exposure in the welder breathing zone and the workshop as a whole.

IN YOUR WORKSHOP
Capture fume before it spreads. Correct hood position and maintained airflow now matter.

MARCH 2026
AS/NZS ISO 21904

This series sets recognised performance and test requirements for welding fume extraction equipment. It covers separation efficiency and on-torch capture efficiency.

IN YOUR WORKSHOP
Select extraction with stated performance, operate it at the required airflow and maintain it.

FROM 1 DECEMBER 2026
WES BECOMES WEL

The terminology changes from Standard to Limit to make clear that the value must not be exceeded. Workplaces must consider the individual metals and gases generated, not only total welding fume. Some limits reduce.

IN YOUR WORKSHOP
Know what is in the fume. Stainless, aluminium, coated and alloy work need process specific controls.

WHY 'NO CAPTURE' IS BECOMING HARD TO DEFEND

A workshop may be below 1 mg/m3 for total welding fume and still exceed the limit for a specific contaminant in that fume. The WEL must be considered for every metal and contaminant generated by the process.

MANGANESE	CADMIUM	BERYLLIUM	CHROMIUM VI
0.02 mg/m3 RESPIRABLE TWA	0.001 mg/m3 TWA	0.00002 mg/m3 TWA	NO SAFE LIMIT NTGC

NO CAPTURE = NO CREDIBLE PATH TO COMPLIANCE.

THE PRACTICAL RESPONSE

Five actions to move from exposure risk to a controlled, verifiable workshop process.

1 IDENTIFY
Process, metals, coatings and consumables.
ASSESS

2 CAPTURE
Fume at the source.
CONTROL

3 PROTECT
Add PAPR where residual risk remains.
PPE

4 VERIFY
Exposure and control performance.
CHECK

5 MAINTAIN
Equipment and train operators.
SUSTAIN

Sources: Safe Work Australia, Workplace exposure limits for airborne contaminants and Changes between the WES and WEL Standards Australia, AS/NZS ISO 21904 series (2026). Values shown are examples only. Applicable contaminants and jurisdictional requirements must be assessed for each workplace and process.

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SCAN THE QR CODE TO BOOK A FREE DEMO

For more information on ***Fume Control***, visit our website **weldclass.com.au/fume**

The Recommended Retail Prices (RRP) listed in this catalogue are current as at November 2026 and may vary due to freight costs and other factors. Please check with your local Weldclass Distributor for current pricing.