

Weldclass®



WELDING FUME GUIDE

UPDATED MAY 2026

PRODUCTS BY WELDCLASS DESIGNED TO
FUME CONTROL YOUR WORKPLACE.

ALLCLEAR MT84 ON-TORCH FUME EXTRACTOR

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 it's 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 |
|--------------|---|
| WC-MT84K36E4 | ALLCLEAR MT84 Fume Extractor Package with FT36E 4m MIG Fume Torch |
| WC-MT84 | ALLCLEAR MT84 Fume Extractor Unit Only 230V 15A |



ALLCLEAR MT31 ON-TORCH FUME EXTRACTOR

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 |
|--------------|---|
| WC-MT31K36E4 | ALLCLEAR MT31 Fume Extractor Package with FT36E 4m MIG Fume Torch |
| WC-MT31 | ALLCLEAR MT31 Fume Extractor Unit Only 230V 10A |



ALLCLEAR MA100 MOBILE FUME EXTRACTOR

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 |
|----------|---|
| 91100MA1 | ALLCLEAR® MA100 1ph/230V with Single 3m Arm |



ALLCLEAR MA300 MOBILE FUME EXTRACTOR

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 |
|-----------|--|
| 91300AMA1 | ALLCLEAR® MA300 AUTO 1ph/230V with Single 3m Arm |



ALLCLEAR MA350 MOBILE FUME EXTRACTOR

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
- ✓ 'In situ' filter cleaning - access via filter cleaning door, clean with compressed air nozzle
- ✓ Special spark deflector virtually eliminates fire risk

| PART NO. | DESCRIPTION |
|----------|--|
| 91350MA3 | ALLCLEAR® MA350 3ph/415V with Twin 3m Arms |



ALLCLEAR MA350 AUTO MOBILE FUME EXTRACTOR

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 |
|-----------|---|
| 91350AMA3 | ALLCLEAR® MA350 AUTO 3ph/415V with Twin 3m Arms |



ALLCLEAR TA100 DOWNDRAFT TABLE



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
- ✓ Compact and mobile
- ✓ Ergonomic design with easy access to all functions & replacement filters



| PART NO. | DESCRIPTION |
|----------|--|
| 91100TA1 | ALLCLEAR® TA100 Grinding & Welding Table with Fume Extractor |

ALLCLEAR TA400 DOWNDRAFT TABLE



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
- ✓ Operates on 415V 3-phase power
- ✓ Cleanable filter for longer filter life & reduced operating costs
- ✓ Heavy-duty 5mm thick table top
- ✓ Operates on 415V 3-phase power, 5 pin
- ✓ Automatic filter cleaning



| PART NO. | DESCRIPTION |
|----------|--|
| WC-TA400 | ALLCLEAR TA400 Grinding & Welding Downdraft Table with Filter 3ph/415V |

ALLCLEAR TA500 BACK & DOWNDRAFT TABLE



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 2,500m³/hr airflow rate and 500kg load capacity



| PART NO. | DESCRIPTION |
|----------|---|
| WTA500 | ALLCLEAR TA500 Grinding & Welding Down Draft Table with Filter 3ph/415V |

INTRODUCING THE ALL NEW FP SERIES.



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 jiggling 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.



ALLCLEAR FP1200 FIXTURE POINT DOWNDRAFT TABLE

AT A GLANCE

- ✓ For welding, grinding, cutting, and cutting fumes
- ✓ Used with globally known brands of Fixture 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 |
|-----------|--|
| WFP12T116 | ALLCLEAR FP1200 with 1200x1200x100mm Table Top |
| W06774 | ALLCLEAR FP1200 Base Unit Only Downdraft base unit only, without table top. Suits 1200x1200mm Table Top. |



**5 PIN 415V Plug Not Included*

ALLCLEAR FP1500 FIXTURE POINT DOWNDRAFT TABLE

AT A GLANCE

- ✓ For welding, grinding, cutting, and cutting fumes
- ✓ Used with globally known brands of Fixture 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 |
|-----------|--|
| WFP15T116 | ALLCLEAR FP1500 with 1500x1000x100mm Table Top |
| W06775 | ALLCLEAR FP1500 Base Unit Only Downdraft base unit only, without table top. Suits 1500x1000mm Table Top. |



**5 PIN 415V Plug Not Included*

ALLCLEAR FP2400 FIXTURE POINT DOWNDRAFT TABLE

AT A GLANCE

- ✓ For welding, grinding, cutting, and cutting fumes
- ✓ Used with globally known brands of Fixture 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 |
|-----------|--|
| WFP24T116 | ALLCLEAR FP2400 with 2400x1200x100mm Table Top |
| W06776 | ALLCLEAR FP2400 Base Unit Only Downdraft base unit only, without table top. Suits 2400x1200mm Table Top. |



**5 PIN 415V Plug Not Included*

ALLCLEAR FP3000 FIXTURE POINT DOWNDRAFT TABLE

AT A GLANCE

- ✓ For welding, grinding, cutting, and cutting fumes
- ✓ Used with globally known brands of Fixture 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 |
|-----------|--|
| WFP30T116 | ALLCLEAR FP3000 with 3000x1500x100mm Table Top |
| W06777 | ALLCLEAR FP3000 Base Unit Only Downdraft base unit only, without table top. Suits 3000x1500mm Table Top. |



**5 PIN 415V Plug Not Included*

ALLCLEAR FA25 WALL MOUNTED FUME EXTRACTOR FAN



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 |
|-----------|--|
| WC-FA253M | ALLCLEAR FA25 Fan + 3m Arm Package |
| WC-FA254M | ALLCLEAR FA25 Fan + 4m Arm Package |
| 91005003 | ALLCLEAR FA25 Arm Only 3m with 90° Elbow |
| 91005004 | ALLCLEAR FA25 Arm Only 4m with 90° Elbow |
| 91025FA1 | ALLCLEAR® FA25 Fan/Motor Only with Wall-Mounted Bracket & Switch / Control Box |

*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



AT A GLANCE

- ✓ Wearable – Get the real reading of fume from where your people are
- ✓ Designed and Manufactured in Australia
- ✓ Color 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 |
|----------|--------------------------------------|
| WC-01668 | ALLCLEAR® PD30 Personal Fume Monitor |



PROMAX 680R DIGITAL PAPR WELDING HELMET



Enormous 95cm² Viewing Area with V1 (1/1/1/1) rated optics
116 x 81mm 'landscape' format for wider & more natural field of view



Advanced Digital Controls
+ illuminated LCD screen



External Controls

- Mode: Weld, Cut, Shade-Lock
- Grind mode on/off
- Auto/Manual Shade
- Shade level (manual) or Shade deviation (auto)
- Memory save



Auto Functions
Choice of auto or manual shade, sensitivity & delay adjustments



| PART NO. | DESCRIPTION |
|----------|---|
| WC-06700 | PROMAX 680R with R50 PAPR Respirator System |

PROMAX 850R DIGITAL PAPR WELDING HELMET



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



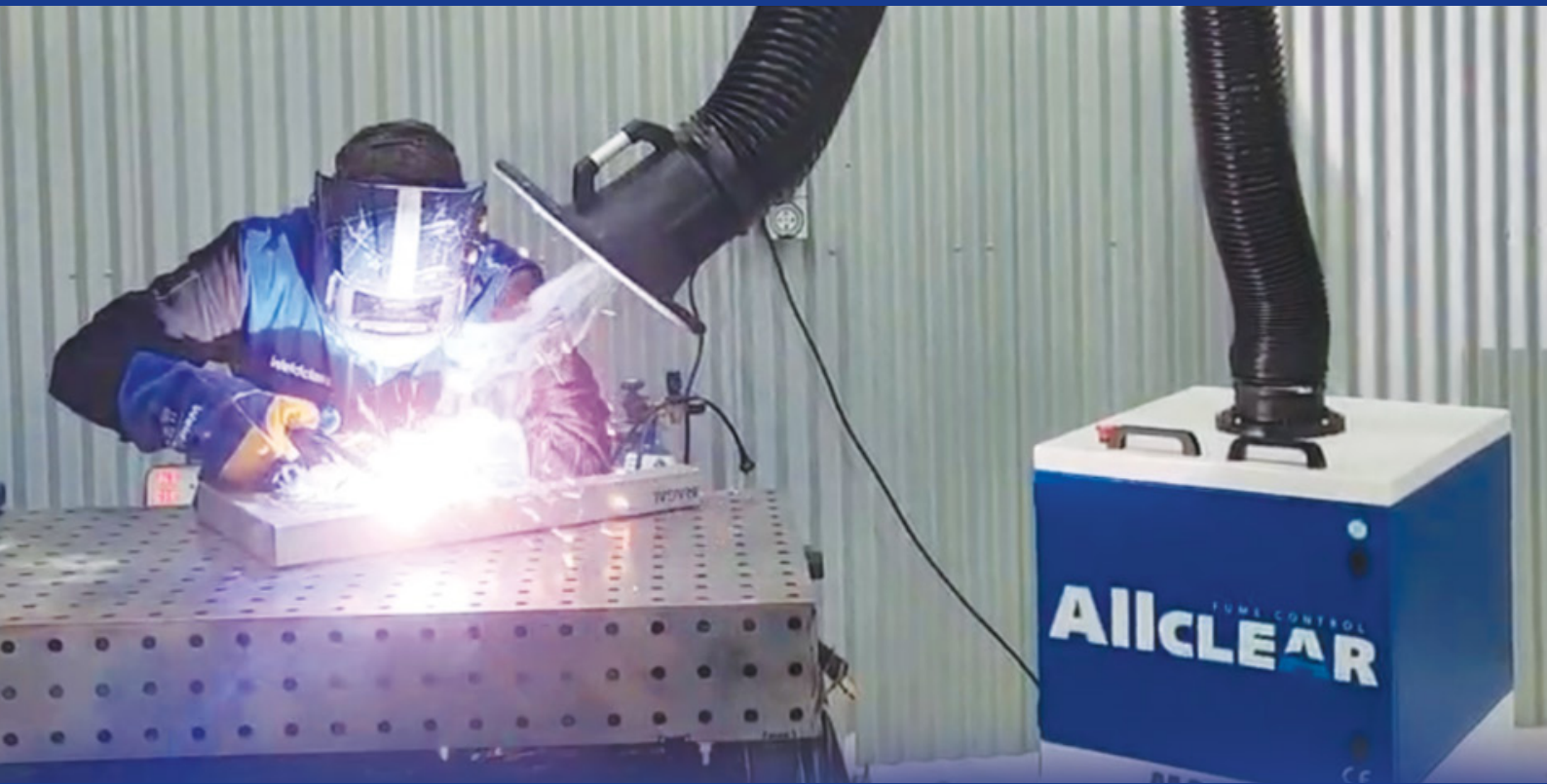
Auto Functions
Choice of auto or manual shade, sensitivity & delay adjustments



Bonus Battery
Two batteries included



| PART NO. | DESCRIPTION |
|----------|---|
| WC-06702 | PROMAX 850R with R50 PAPR Respirator System |



Understanding the basics of the new Welding Fume Legislation:

The Workplace Exposure Standard (WES) for welding fume was revised in January 2024, lowering the limit from $5\text{mg}/\text{m}^3$ to $1\text{mg}/\text{m}^3$.

This new standard applies not only to welders but also to any workers in proximity to welding activities or anyone else potentially exposed to welding fumes within the workplace (e.g. supervisors, visitors, forklift drivers, etc.).

- This is a mandatory legal requirement that Health and Safety regulators are actively enforcing across Australia.
- To ensure compliance, personal air monitoring is advised to assess the current workplace exposure risk levels and assist engineering the best fume control
- Welding fumes are classified as carcinogenic by the International Agency for Research on Cancer (IARC). Prolonged exposure can lead to serious respiratory issues, including asthma, bronchitis, and in severe cases, lung cancer.
- Studies consistently show that without appropriate controls, typical welding fume and ozone exposures are likely to surpass regulatory limits. Therefore, a robust combination of Personal Protective Equipment (PPE) and Powered Air Purifying Respirator (PAPR) alongside engineering controls, such as portable fume extractors and on-torch fume extraction systems, is now expected.
- Fume Legislation is staged to become even more stringent. Investing in AllClear Fume Control solutions now, not only delivers immediate benefits to staff safety and current regulation compliance but also future-proofs businesses against the forthcoming regulatory changes.
- Visit the Safe Work Australia website for comprehensive and current legislative details
- <https://www.safeworkaustralia.gov.au/>

Weldclass®



**SCAN THE
QR CODE
TO BOOK A
FREE DEMO**

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

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