

## AIMWELL™ AYO™ WX HFM P-BOOST – TECHNICAL SPECIFICATIONS

### DESCRIPTION

AYO WX HFM P-Boost is an around-neck standard half-face mask powered respirator dedicated to particle filtration.

The respirator is designed for compactness and is ideal for protection from asbestos, silica dust, metalliferous dust, powder coating, coal dust, and sawdust in industrial settings for high exertion and mobile work, such as:

- Formwork and concrete patching.
- Building demolition and restoration.
- Tunnelling.
- Mining.

### FEATURES

- Patented Around-neck innovation: no hose, no belt, easy to don and doff.
- Revolutionary Dual-Fitting: certified to EN 12941:2023 TH3, EN 12942:2023 TM3, AS/NZS 1716 PAPR P3.
- Advanced breath-responsive flow control.
- Strong flow up to 220L/Min.
- Compact and lightweight with well-balanced support.
- Long battery life up to 16 hours, and the battery is replaceable.
- Low flow alarm, low battery alarm, and flow capacity test.
- Face seal add-on: designed for workers with longer beards.
- Wireless Speaker add-on for communication in noisy environments.
- Shower Kit add-on: for decontamination showers.
- Easier to clean and maintain than traditional PAPRs.
- Compatible with most related PPEs, such as hard hats, goggles, and earmuffs.



|                       |                                  |                                                                                      |
|-----------------------|----------------------------------|--------------------------------------------------------------------------------------|
| <b>Compliance</b>     | <b>Respiratory Protection</b>    | EN 12941: 2023 TH3P<br>EN 12942: 2023 TM3P (coming soon)<br>AS/NZS 1716:2012 PAPR-P3 |
|                       | <b>EMC</b>                       | CISPR 11: 2017+A1:2020                                                               |
|                       |                                  | EN IEC 61326-1:2021                                                                  |
|                       |                                  | EN IEC 61326-2-2:2021                                                                |
|                       |                                  | EN IEC 61000-3-2:2019/A1:2021                                                        |
|                       |                                  | EN 61000-3-3:2013/A2:2021                                                            |
|                       |                                  | 47 CFR FCC part 15, Subpart B<br>ANSI C63.4:2014                                     |
| <b>Safety</b>         | AS/NZS 61558, EN 61558, UL 62368 |                                                                                      |
|                       | <b>Product Certification</b>     | Europe: CE-PM-250311-005-02-9A<br>Australia: CMI PC10112                             |
| <b>Filter Options</b> | <b>Main Filter - Long Life</b>   | P3/TM3/TH3, Pack of 3, Use up to 6 months                                            |
|                       | <b>Pre-filter</b>                | Pack of 10, replaced when blocked or dirty                                           |
|                       | <b>Pre-filter – Anti-odour</b>   | Pack of 10, replaced when blocked or odour present                                   |

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|                                            |                                             |                                                                                                                                           |
|--------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Conditions</b>                | <b>Altitude</b>                             | Up to 5000m                                                                                                                               |
|                                            | <b>Temperature</b>                          | -10°C to 50°C                                                                                                                             |
|                                            | <b>Humidity</b>                             | Up to 95% (non-condensing)                                                                                                                |
| <b>Storage Conditions</b>                  | <b>Temperature and Humidity</b>             | Short period < 1 month: -5°C to 45°, 65±20%RH<br>Within 3 months: -5°C to 35°C, 65±20%RH<br>Long period > 3 months: 0°C to 35°C, 65±20%RH |
| <b>Battery Run Time</b>                    | <b>Particulate</b>                          | Typically, 8 - 16 hours depending on the actual workload and dust concentration.                                                          |
| <b>Battery Charging</b>                    |                                             | 3.5 hours to 95% (fast flashing LED)<br>4 hours full charge (Constant LED)                                                                |
| <b>Battery Life</b>                        |                                             | Typical 3 years, replaceable                                                                                                              |
| <b>Peak Flow</b>                           |                                             | Up to 220 l/min                                                                                                                           |
| <b>Manufacturer Minimum Flow Condition</b> | <b>Particulate</b>                          | 115 l/min                                                                                                                                 |
| <b>Alarms</b>                              | <b>Filter-Blocked Alarm</b>                 | 2 beeps per second, flashing Red LED                                                                                                      |
|                                            | <b>Low Battery Alarm</b>                    | 3 beeps per second                                                                                                                        |
| <b>Flow Capacity Test</b>                  | <b>Peak flow check</b>                      | 3 levels                                                                                                                                  |
| <b>Noise Level</b>                         | <b>Leq (high exertion)</b>                  | ≈ 71dB                                                                                                                                    |
|                                            | <b>Leq (typical)</b>                        | < 65dB                                                                                                                                    |
| <b>Weight</b>                              | <b>Power Unit - Particulate</b>             | 437g                                                                                                                                      |
|                                            | <b>HFM Standard Half-Face Mask (Medium)</b> | 161g                                                                                                                                      |
|                                            | <b>Filter Unit - Particulate</b>            | 126g                                                                                                                                      |
| <b>Service life</b>                        | <b>Motor/blower</b>                         | Over 10 years                                                                                                                             |
| <b>AC Charge Adaptor</b>                   | <b>Input</b>                                | 100 ~ 240VAC, 47~60 Hz                                                                                                                    |
|                                            | <b>Output</b>                               | 13.8VDC, 1A                                                                                                                               |
|                                            | <b>DC Jack plug</b>                         | 1.1mm ID, 3.0mm OD                                                                                                                        |


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