

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

### DESCRIPTION

AYO WX HFM-W P-Boost is an around-neck half-face mask powered respirator dedicated to welding fume filtration.

The half-face mask HFM-W is designed to be compatible with most common welding helmets, while the Main Unit is identical to the HFM P-Boost Main Unit.

### 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.
- 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 EN 12942: 2023 TM3P (coming soon) 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
		ANSI C63.4:2014
<b>Safety</b>	AS/NZS 61558, EN 61558, UL 62368	
<b>Product Certification</b>	Europe: CE-PM-250311-005-03-9A 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 Within 3 months: -5°C to 35°C, 65±20%RH 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) 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-W Welding Half-Face Mask (Medium)</b>	181g
	<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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