

AIMWELL™ AYO™ WX HFM-W WELDING HALF-FACE MASK PAPR SYSTEM

DESCRIPTION

Aimwell™ AYO™ WX HFM-W P-Boost is an around-neck standard 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.



Compliance	Respiratory Protection	EN 12941: 2023 TH3P EN 12942: 2023 TM3P EN 12942: 2023 TM3A1P MS EN 12942: 2023 TM3A1B1E1K1P MS (coming soon) AS/NZS 1716:2012 PAPR-P3
	EMC	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
Filter Options	Safety	AS/NZS 61558, EN 61558, UL 62368
	Product Certification	Europe: CE-PM-250311-005-02-9A Australia: CMI PC10112
	Main Filter - Long Life	P3/TM3/TH3, Pack of 3, Use up to 6 months
	Pre-filter	Pack of 10, replaced when blocked or dirty
	Pre-filter – Anti-odour	Pack of 10, replaced when blocked or odour present
	Gas cartridge A1B1E1K1 (coming soon)	Pack of 1, use up to 6 months
	Gas cartridge A1	
	HEPA filter for the Gas cartridge	Pack of 3, Use up to 6 months

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Operation Conditions	Altitude	Up to 5000m
	Temperature	-10°C to 50°C
	Humidity	Up to 95% (non-condensing)
Storage Conditions	Temperature and Humidity	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
Battery Run Time	Particulate	Typically, 8 - 16 hours depending on the actual workload and dust concentration.
Battery Charging		3.5 hours to 95% (fast flashing LED) 4 hours full charge (constant LED)
Battery Life		Typical 3 years, replaceable
Peak Flow	Particulate	Up to 220 l/min
	Gas	Up to 130 l/min
Manufacturer Minimum Flow Condition	Particulate	115 l/min
	Gas	95 l/min
Alarms	Filter-Blocked Alarm	2 beeps per second, flashing Red LED
	Low Battery Alarm	3 beeps per second
	Peak flow check	3 levels
Noise Level	Leq (high exertion)	Up to 71dB
	Leq (typical)	< 65dB
Weight	Power Unit – Particulate	437g
	Power Unit – Gas	429g
	HFM-W Half-Face Mask (Medium)	181g
	Filter Unit - Particulate	126g
	Filter Unit - Gas	315g
Service life	Motor/blower	Over 10 years
AC Charge Adaptor	Input	100 ~ 240VAC, 47~60 Hz
	Output	13.8VDC, 1A
	DC Jack plug	1.1mm ID, 3.0mm OD


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