

AIMWELL™ AYO™ WX FFM-LF P-BOOST – TECHNICAL SPECIFICATIONS

DESCRIPTION

AYO WX FFM-LP P-Boost is an around-neck loose-fitting full-face mask powered respirator dedicated to particle filtration.

The respirator is designed for compactness and is ideal for breathing and eye 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.
- Loose-Fitting: certified to EN 12941:2023 TH3, AS/NZS 1716 PAPR P3.
- Advanced breath-responsive flow control.
- Strong flow up to 220L/Min.
- Exceptionally Clear and scratch-resistant lens with a magnificent field of view.
- 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.





Compliance	Respiratory Protection	EN 12941 : 2023 TH3P AS/NZS 1716:2012 PAPR-P3	
	Eye/Face Protection	AS/NZS 1337.1:2010 (Low Impact and flame impingement Protection)	
	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		
	Safety	AS/NZS 61558, EN 61558, UL 62368	
	Product Certification	Europe: CE-PM-250311-005-01-9A Australia: CMI PC10112	
Filter Options	Main Filter - Long Life	P3/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	

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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		Up to 220 l/min
Manufacturer Minimum Flow Condition	Particulate	115 l/min
Alarms	Filter-Blocked Alarm	2 beeps per second, flashing Red LED
	Low Battery Alarm	3 beeps per second
Flow Capacity Test	Peak flow check	3 levels
Noise Level	Leq (high exertion)	≈ 71dB
	Leq (typical)	< 65dB
Weight	Power Unit – Particulate	437g
	FFM-LF Full-Face Mask (ML)	480g
	Filter Unit - Particulate	126g
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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