Air You Own for Tough Work

AYO™ WX Powered Respirator Series

Next-Generation Around-Neck PAPR Systems for Welding, Dust & Toxic Industrial Environments

The **Aimwell™ AYO™ WX Series** is a breakthrough family of **around-neck Powered Air Purifying Respirators (PAPR)** engineered for demanding industrial environments where workers face hazardous dusts, fumes, particulates, gases and airborne contaminants. Designed for mobility, comfort and maximum protection, AYO™ WX systems deliver **PAPR P3 / TM3 / TH3** performance in a compact, hose-free, belt-free format.

The AYO™ WX platform includes **half-face** and **full-face** mask assemblies, available in both **tight-fitting** and **loose-fitting** configurations — including the world's first **dual-fitting half-face PAPR** and the world's only **interchangeable tight-fit / loose-fit full-face mask system**.

Key Features

- **Best-in-class protection:** Certified PAPR P3 / TM3 / TH3
- **Around-neck main unit:** No hose, no belt, no top-heavy load
- **Breath-responsive airflow:** Up to **220 L/min peak flow**
- **Dual-fitting capability:** Same unit can operate as tight-fit or loose-fit
- **Beard-compatible options:** Face seal add-ons for longer facial hair
- **16-hour battery life:** Replaceable battery for extended shifts
- **Fast donning/doffing:** Push-fit & twist-release connection
- **Lightweight & low-profile:** Worn like a non-powered respirator
- **Modular design:** Interchangeable parts, easy maintenance
- **Compatible with PPE:** Works with helmets, goggles, earmuffs
- **Built-in speech diaphragm:** Optional wireless speaker add-on
- **Shower Kit available:** For decontamination environments

AYO™ WX System Benefits

- **Loose-fitting models** provide TH3 protection for workers with facial hair — no fit testing required
- **Tight-fitting models** deliver up to **4× higher protection** than loose-fit systems
- **Ideal for high-exertion work:** Breath-responsive airflow reduces fatigue
- **Perfect for confined spaces:** No hoses or belts to snag or restrict movement
- **Economical WHS compliance:** High protection without expensive integrated helmet systems
- **Exceptional fit factors:** Full-face double-seal models achieve fit factors over 2000