

## SPECIFICATIONS

Product Description: **EZ AIR FLEX GRINDING/WELDING PAPR**  
Part Number: **9937-WADF**  
Style: **POWERED AIR PURIFYING RESPIRATOR**

### GENERAL DESCRIPTION:

Our EZ Air Flex Grinding/Welding Powered Air Purifying Respirator (PAPR) is a complete particulate system intended for industrial applications where combined respiratory, eye and face protection are required. This welding helmet features a durable flip-up visor to expose a grind shield below that maintains respiratory protection while workers can continue grinding or inspecting welds. It is a motorized, Lithium-ion battery operated system that provides a constant supply of fresh, filtered air over the user's face. At an APF level of 25, it creates an optimal protective pressure inside the respirator head top keeping away particulates (dust, steel, manganese, stainless steel, chromium, galvanized steel, cadmium, and lead). Recommended applications are welding, assembly, facility maintenance, grinding, machine operations, painting, and sanding. Suggested industries include automotive, food and beverage, pharmaceutical, general manufacturing, metal production and fabrication, military maintenance, repair, and operation (MRO) and transportation. Complies with ANSI Z87.1+ for face-shield/eye protection. CE certified.

**NIOSH approved**

*Complete PAPR assembly includes welding shield w/ ADF lens, downtube w/ FR cover, blower, battery, waist belt, charger, flow tester, HEPA filter and storage bag.*

### GRINDING/WELDING HEADTOP: (PN: 9937-BHTWADF)

- Made from Dupont<sup>®</sup> super tough flame-retardant nylon that can withstand extreme cold/heat without cracking or deforming
- Adjustable durable Pera-Lok locking ratcheting head gear with replaceable ultra-soft sweat band
- Large shield design accommodates safety glasses under the face shield
  - Visor dimension: 7" x 5.4" x 0.040" (176.9 mm x 137.7 mm x 1.0 mm)
  - Viewing area: 41.2 sq. in. (26560 mm<sup>2</sup>)
  - Visor thickness: 0.067" (1.7 mm)
- Complete with comfortable sweatband
- Complete headtop assembly weighs 0.58 lbs. (265 grams)
  - Shell is 0.28 lbs. (130 grams)
  - Visor is 0.12 lbs. (55 grams)
- Direct flow into the helmet with new air-manifold system
- User control of airflow direction
  - Fully open-air setting to mitigate fogging
  - Fully closed air setting to channel airflow to breathing zone
  - Partially closed air setting for taking the sweat out of welding
  - Lightweight, super comfortable 100% FR treated face seal
  - Easy change face seal, no more nuts and bolts to fiddle around with
- APF 25
- Certifications:
  - Complies with ANSI Z87.1+
  - CE certified
  - NIOSH approved

### NECK SHROUD:

- Comfortable 100% cotton fire-retardant treated material
- Full neck and ear coverage to prevent arc burns
- Easily replaceable and washable



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**BREATHING TUBE:**

- Flexible breathing tube to accommodate more users!
- Removable hose cover (fire retardant material)
- Same quick-disconnect bayonet couplers on both ends for easy assembly

**AUTO-DARKENING FILTERS:** *(Replacement ADF PN: 9904-36)*

- Viewing area: 9.3 sq. in. (2.36" x 3.93"), 236.2 sq. mm (59.94 mm x 99.82 mm)
- Arc sensors: 2
- UV/IR: Up to shade 16, permanent outer coating to protect eyes
- Battery: Solar Cells primary with digital Lithium powered backup (lasts 5 – 10 years)
- Switching time: 1/10,000
- Light Shade Modes: 3
- Dark Shade Modes: 5-14
- TIG rating: <5 Amps
- Grind mode: Yes
- Magnetic Sensor: Yes
- Standards: ANSI and CSA
- Sensitivity: 8 Settings
- Delay: 8 Settings

**BLOWER:**

- ABS lightweight blower at only 1.7 lbs. (0.77 kg)
- Low profile off the hip design (4" (10.16 cm) with belt)
- Noise level is a quiet 65 dB
- Power button to turn the unit on or off
- 8-speed fan to increase or decrease airflow (minimum 170 LPM, 6 CFM)
- Audible, visual and vibration alarms for low battery, flow, and missing filter
- CAUTION: operating altitude approximately sea level up to 3,000 ft (914 m)

**FILTER:**

- Single filter design
- Easily removable NIOSH approved HEPA filter (42 CFR part 84)
- Filters 99.97% of particulates larger than 0.3 Micrometers
- Locking compartment protects filter from damage

**BATTERY:**

- 7.4V rechargeable Lithium-ion battery
- Operate up to 8-hours (minimum speed), 6 hours (maximum speed) on a full charge
- 4-6-hour recharge time and can be recharged up to 350 cycles (on or off blower assembly)
- Impact-proof ABS housing
- Easily removed (equipped with locking tab)

**CHARGER:**

- 110-240V, 50/60 Hz smart charger
- LED indicators let user know when unit is charging, complete or an error has occurred
- International kit available (removable plug)

**WAIST BELT:**

- Large heavy-duty belt clips, easy to attach wearing gloves
- Ergonomic easily adjusting belt straps for ease of donning
- Double pull straps for even distribution when tightening
- Fire retardant outside material