



Honeywell North Primair PA800 Series Welding Helmet

Breathing New Life into Welder Safety

BREATHING NEW LIFE INTO WELDER SAFETY

Hazards can spark from everywhere when you're welding, and to stay protected you need a welding PAPR solution that enables you to focus on your work, not your equipment. That's why **Honeywell North® offers a new, ultralight welding helmet** featuring an auto-darkening filter with a brighter resting light shade than is currently available – a new standard in light transmission. Its ergonomic design enables you to shift seamlessly from welding to grinding without ever having to adjust the helmet, improving worker safety and increasing productivity.

Also, the **Primair™ PA800 Welding Helmet** works harmoniously with the PA700 or PA500 PAPR blower, keeping you cool and comfortable while you work – all day, every day.



Fields of Application

Elektrode Welding
(Stick Welding, SMAW)
MIG/MAG (GMAW)
GMAW High Melting Rate Process
Flux Cored Wire Welding
TIG Welding (GTAW)
Grinding

FEATURES & BENEFITS



Brighter light shade

The auto-darkening filter has a light state of 2.5, the lightest in the industry.



Ergonomic design

External controls enable quick transition from welding to grinding, even with gloves on. The suspension, helmet, and air-duct can all be adjusted to ensure a comfortable fit.



Lightweight

At just 0.68 kg (24 oz), the PA800 is one of the lighter auto-darkening helmets on the market – minimizing head and neck strain and reducing risk of fatigue or injury.



Cooling comfort

An integrated and adjustable air-duct connects easily to the PA700 or PA500 PAPR system to help keep workers cool, comfortable, and productive.

Helmet On. Hassle Off.

Unlike other welding helmets, the Honeywell North PAPR welding solution is designed to reduce work interruptions and maximize productivity. The shield-less system eliminates the need to flip up the ADF to grind. Just push a button, and keep working.



2.5 Shade Level

The left view shows a typical resting light state of **4.0**, while the right view shows the PA800 resting light state of **2.5** – no need to flip up the ADF to see.



Grind On/Off Control

Push to go between grind mode and welding mode.

ADF Light Sensitivity Adjustment

Controls the light intensity that triggers the ADF.

Infinite Shade Adjustment

Large, external controls enable manual ADF shade adjustment (SL 8-12) – even with work gloves on.



PA811 Welding Helmet with Hard Hat

Integrated with Honeywell North N10 hard hat for added worker protection and safety

Outside Grinding Shield

The replaceable grinding shield protects the ADF from sparks and slag during welding or grinding. Since it is fixed in place, there are no mechanisms to adjust or damage.



Sensor Angle "Slide" Adjustment

Helps prevent unwanted auto-darkening of the ADF.

Lightweight Breathing Tubes

Highly flexible, corrugated hose; 360° swivel connector on straight hose enables freedom of movement with twisting.



Efficient Keypad

Illuminated, easy-to-read display; large buttons for easy operation – even when wearing gloves.

Side-Mounted Battery

Contained in housing on five (5) sides and locks into place to reduce accidental disconnections.

Ergonomic Belt

Carefully chosen shape and materials distribute the weight of the PAPR and help keep it from slipping. The fire-resistant webbing and metal buckle make it perfect for welding.

Cartridge/Filter Connection

Enables filter or cartridge/filter combination to lock into place with a quarter turn, assuring workers they are secure and safer.

Ordering Information / SKUs

Part#	Description	Included in product package
KITS		
PA701WEUH	PA700 / PA800 Welding Kit w/Helmet	Includes PA810EU helmet, PA036 breathing tube, PA7P particulate filter (box of 5), PA71A1 filter cover, and PA701WEU PAPR welding kit
BELTS		
PA751W	PA700 Welding Belt	One replacement welding belt
BREATHING TUBES		
PA031L	Breathing Tube – 1 m (40 in)	One breathing tube
PA036	Breathing Tube – 1.2 m (47 in)	One breathing tube
PA828	Cover, Hose, Flame Resistant	One flame resistant hose cover for PA031L or PA036
HOODS/HELMETS		
PA810EU	2.5 ADF PAPR Welding Helmet	One PA810EU welding helmet assembly
PA811EU	2.5 ADF PAPR Welding Helmet with Hard hat	One PA811EU welding helmet with hard hat assembly
PA821	ADF, Replacement, PA800 Series	One ADF replacement lens
PA8221	Lens Cover, Front, 5/Pk	Five (5) external grinding shield covers
PA8222	Lens Cover, Inside, 5/Pk	Five (5) internal covers
PA824	Sweatband, Welding Helmet	Two (2) sweatbands
PA826	Attachment Clip Set, Hard Hat, for PA811EU	One Attachment Clip Set for PA811EU
PA827	Seal, Face, Welding Helmet	One face seal for PA810EU
PA830	Seal, Face, Welding Helmet w/ Hard Hat	One face seal for PA811EU
REPLACEMENTS		
PA823	PA800 Headgear - replacement	One (1) headgear per package
PA825	Cover, Grind Button, Silicone, 10/PK	Ten (10) Grind button covers per package
ACCESSORIES		
PA8331	Chest Protector/ Leather	One chest protector per package
PA8332	Head and Neck Protector, Leather	One set of head and neck protectors per package

For more information

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