



Honeywell North® Primair® Series PA900 Series Headgear

The Honeywell North® Primair® 900 Series is a headgear assembly designed for use with the Honeywell North® Primair® 700 Series Belt-Mounted Powered Air Purifying Respirator (PAPR). These respirators are ideally suited for applications where non-powered air-purifying respirators are not practical or the higher protection factor of a hood is required, yet where the atmospheres are not immediately dangerous to life and health (IDLH).

Used in conjunction with the Honeywell North® PA700 Series blower battery assembly with filter/cartridges (PAPR), the Primair® PA900 Series provides clean air and respiratory protection against most gases, and vapors, as per configuration selection, for extended periods of time.

Protection Type

This respirator is ideally suited for applications in which non-powered air purifying respirators are not practical or in which a higher protection factor is required, yet where the atmosphere is not IDLH and where there is an oxygen content of at least 19.5%. When used together with Honeywell North PA700 PAPR, the Honeywell North Primair PA900 Series Headpieces provides respiratory protection against most dusts, fumes, mists, particulate radio-nuclides and radon progeny attached to dusts, fumes and mists.

Certifications

The Honeywell North Primair PA900 Series Headpieces meets the requirements of NIOSH CFR 84 when assembled from components listed on the NIOSH approval label included with the product. For detailed information on these systems, see the user manuals for those products. Refer to the NIOSH approval labels provided with the Honeywell North Primair PA900 Series Headpieces for specific NIOSH approval numbers.

PA900 Assemblies

The PA900 Series headgear solution offers advanced ergonomics, supreme fit and materials, and the highest of protection levels on the market. The PA900 Series is lightweight, easy to don and doff, easy to use /maintain, and adapted with accessories applicable to the applications at hand (i.e. shrouds for chemicals).

Assigned Protection Factors

The Honeywell North Primair PA900 Series Headpieces combined with the PA700 Series PAPR is for protection from particulates where (i) the concentration does not exceed the Permissible Exposure Limit (PEL) as determined by the Assigned Protection Factor (APF) of the headpiece, (ii) the concentration is below the contaminant's IDLH level, and (iii) there is sufficient oxygen in the work environment per the OSHA Regulation 29 CFR Section 1910.134 or CSA Standard Z94.4 requirements.

All Honeywell North Primair PA900 Series Headpieces have the below Assigned Protection Factors:

SKU	Description	Classification
PA911	Head Cap + Faceseal + PA032 Breathing Tube	APF 25 with PA700 PAPR
PA921	Hard Hat + Faceseal + PA032 Breathing Tube	APF 25 with PA700 PAPR
PA921DS	Hard Hat + Disposable Short Shroud + PA032 Breathing Tube	APF 1,000 with PA700 PAPR
PA921DL	Hard Hat + Disposable Long Shroud + PA032 Breathing Tube	APF 1,000 with PA700 PAPR
PA922	Hard Hat + Standard Shroud + PA032 Breathing Tube	APF 1,000 with PA700 PAPR
PA923	Hard Hat + Premium Shroud + PA032 Breathing Tube	APF 1,000 with PA700 PAPR

Note: Because of the positive pressure created by the flow of air, PAPRs have a higher protection factor. The respirator manufacturer must have evidence that testing of these respirators demonstrates performance at a level of protection of 1,000 or greater to receive an Assigned Protection Factor (APF) of 1,000. This level of performance can best be demonstrated by performing a Workplace Protection Factor (WPF) or Simulated Workplace Protection Factor (SWPF) study or equivalent testing. If such testing is absent, helmets/hoods are to be treated as loose-fitting facepiece respirators, and should receive an APF of 25.

PA900 Series SKU Details

PA900 Series	
PA911	Head Cap + Faceseal + PA032 Breathing Tube
	Honeywell's respiratory PAPR faceshield with integrated impact resistant visor, enhanced ergonomics and comfort, appealing aesthetics and more user-friendly headgear that is suitable for use in working areas where eye/ear/face protection could be required. This assembly includes the PA032 breathing tube for the PA900 series used to connect the headgear to the PA700 Series PAPR.
PA921	Hard Hat + Faceseal + PA032 Breathing Tube
	Honeywell's respiratory PAPR faceshield with a hard hat for head protection to ANSI Z89.1-2020; Type 1, Class G. Features an integrated impact resistant visor, enhanced ergonomics, appealing aesthetics and more user-friendly headgear. Suitable for use in working areas where eyes/face/ears and head protection are required. This assembly includes the PA032 breathing tube for the PA900 series used to connect the headgear to the PA700 Series PAPR.
PA921DS	Hard Hat + Disposable Short Shroud + PA032 Breathing Tube
	Honeywell's respiratory PAPR faceshield with hard hat protection to ANSI Z89.1-2020; Type 1, Class G and a short, disposable shroud providing head and neck protection, and splash resistance and chlorine resistance. Features an integrated impact resistant visor, enhanced ergonomics, lightweight comfort, and more user-friendly headgear. This assembly includes the PA032 breathing tube for the PA900 series used to connect the headgear to PA700 Series PAPR.
PA921DL	Hard Hat + Disposable Long Shroud + PA032 Breathing Tube
	Honeywell's respiratory PAPR faceshield with hard hat protection to ANSI Z89.1-2020; Type 1, Class G and a long disposable shroud with head, neck and shoulder protection, with splash resistance and chlorine resistance. Features an integrated impact resistant visor, enhanced ergonomics, appealing aesthetics and more user-friendly headgear. This assembly includes the PA032 breathing tube for the PA900 series used to connect the headgear to PA700 Series PAPR.
PA922	Hard Hat + Standard Shroud + PA032 Breathing Tube
	Honeywell's respiratory PAPR faceshield with hard hat protection to ANSI Z89.1-2020; Type 1, Class G and a standard, reusable shroud suitable for dust and light chemical applications. Features an integrated impact resistant visor, enhanced ergonomics, appealing aesthetics and more user-friendly headgear. This assembly includes the PA032 breathing tube for the PA900 series used to connect the headgear to PA700 Series PAPR.
PA923	Hard Hat + Premium Shroud + PA032 Breathing Tube
	Honeywell's respiratory PAPR faceshield with hard hat protection to ANSI Z89.1-2020; Type 1, Class G and a premium, reusable shroud suitable for heavy chemical applications. Features an integrated impact resistant visor, flame and spark resistant shroud, appealing aesthetics and PPE compatible, user-friendly headgear. This assembly includes the PA032 breathing tube for the PA900 series used to connect the headgear to PA700 Series PAPR.

PA900 Series Ordering Information

A complete approved powered air purifying respirator includes a blower, battery pack, battery charger, belt, flow meter, breathing tube, filter cartridge and headpiece. Below, find the SKU ordering information for the PA900 Series Headgear and Accessories.

PA900 Series Headgear Assemblies	
PA911	Head Cap + Faceseal + PA032 Breathing Tube
PA921	Hard Hat + Faceseal + PA032 Breathing Tube
PA921DS	Hard Hat + Disposable Short Shroud + PA032 Breathing Tube
PA921DL	Hard Hat + Disposable Long Shroud + PA032 Breathing Tube
PA922	Hard Hat + Standard Shroud + PA032 Breathing Tube
PA923	Hard Hat + Premium Shroud + PA032 Breathing Tube
PA900 Series Accessories	
PA961	Faceseal
PA9312AM	Disposable Shroud, Long, NIOSH
PA9311AM	Disposable Shroud, Short, NIOSH
PA932AM	Shroud, Reusable Standard, NIOSH
PA933AM	Shroud, Reusable Premium, NIOSH
PA032	Breathing Tube for PA900 Series Headgear
PA934	Shroud Frame
PA951	Forehead Seal
PA961	Faceseal
PA991	Pivot Kit
PA981	Visor Frame
PA9711	Visor Standard
PA9713	Visor UV/IR Shade 3.0
PA9715	Visor UV/IR Shade 5.0
PA905	Peel Off Visor Covers
PA903	PA900 Head Suspension

PA900 Series Technical Specifications: PA911

PA911 – Head Cap with Face Seal	
Attribute	Specification
Approval Standard	NIOSH
Approved for Use with	Honeywell North PA700 Series PAPR
APF Classification	APF 25 with PA700 PAPR
Eye & Face Protection	ANSI Z87+
Head Protection	N/A
Visor Material	Coated Polycarbonate, Anti-Scratch, Anti-Fog
Face Seal or Shroud	Face Seal, Standard
Face Seal Material	Polyamide + Elastan with PU Coating
Visor Area	200 cm ²
Visor Thickness	2 mm
Size Range (Circumference)	6 1/2- 8 in. / 52-64 cm
Headgear Shell	ABS
Headband	Velour Fabric Polyamide
Visor Frame	Z87+D3
Hearing Compatibility	VS100DH – 1035148-VS; VS110H – 1035200-VS; VS120DH – 1035201-VS; VS130DH – 1035202-VS; VS110H – 1035118-VS; VS120H – 1035121-VS; VS130H – 1035124-CS; VS130HHV – 1035124-VS
Operating Temperature	-10°C – +50°C / 10°F to 122°F in 20-90% RH
Storage Temperature	-30°C – +55°C / -22°F to 131°F in 90% RH
Natural Rubber / Latex Content	No
Weight g/lb. (complete assembly)	840g / 1.85LB
Shelf Life	Maximum shelf life is 4 years if properly maintained and kept in its original, dry and undamaged packaging in storing temperatures -30°C – +55°C up to 90% humidity

PA900 Series Technical Specifications: PA921

PA921 – Hard Hat with Faceseal	
Attribute	Specification
Approval Standard	NIOSH
Approved for Use with	Honeywell North PA700 Series PAPR
APF Classification	APF 25 with PA700 PAPR
Eye & Face Protection	ANSI Z87+
Head Protection	ANSI Z89.1-2020; Type 1, Class G
Visor Material	Coated Polycarbonate, Anti-Scratch, Anti-Fog
Faceseal or Shroud	Faceseal, Standard
Faceseal Material	Polyamide + Elastan with PU Coating
Visor Area	200 cm ²
Visor Thickness	2 mm
Size Range (Circumference)	6 1/2- 8 in. / 52-64 cm
Headgear Shell	ABS
Headband	Velour Fabric Polyamide
Visor Frame	Z87+D3
Hearing Compatibility	VS100DH – 1035207-VS; VS120DH – 1035206-VS; VS130DH – 1035208-VS; VS110H – 1035119-VS; VS120H – 1035122-VS; VS130H – 1035125-VS; VS130HHV – 1035128-VS
Operating Temperature	-10°C – +50°C / 10°F to 122°F in 20-90% RH
Storage Temperature	-30°C – +55°C / -22°F to 131°F in 90% RH
Natural Rubber / Latex Content	No
Weight g/lb. (complete assembly)	890g / 1.96LB
Shelf Life	Maximum shelf life is 4 years if properly maintained and kept in its original, dry and undamaged packaging in storing temperatures -30°C – +55°C up to 90% humidity



PA900 Series Technical Specifications: PA921DS

PA921DS – Hard Hat with Disposable Shroud, Short	
Attribute	Specification
Approval Standard	NIOSH
Approved for Use with	Honeywell North PA700 Series PAPR
APF Classification	APF 1,000 with PA700 PAPR
Eye & Face Protection	ANSI Z87+
Head Protection	ANSI Z89.1-2020; Type 1, Class G
Visor Material	Coated Polycarbonate, Anti-Scratch, Anti-Fog
Faceseal or Shroud	Shroud, Disposable (Short)
Shroud Material	Polypropylene
Visor Area	200 cm ²
Visor Thickness	2 mm
Size Range (Circumference)	6 1/2- 8 in. / 52-64 cm
Headgear Shell	ABS
Headband	Velour Fabric Polyamide
Visor Frame	Z87+D3
Hearing Compatibility	VS120M – SKU 1035186-VS VS130M – SKU 1035187-VS
Operating Temperature	-10°C – +50°C / 10°F to 122°F in 20-90% RH
Storage Temperature	-30°C – +55°C / -22°F to 131°F in 90% RH
Natural Rubber / Latex Content	No
Weight g/lb. (complete assembly)	1,195g / 2.63LB
Shelf-life	Maximum shelf life is 4 years if properly maintained and kept in its original, dry and undamaged packaging in storing temperatures -30°C – +55°C up to 90% humidity



PA900 Series Technical Specifications: PA921DL

PA921DL – Hard Hat with Disposable Shroud, Long	
Attribute	Specification
Approval Standard	NIOSH
Approved for Use with	Honeywell North PA700 Series PAPR
APF Classification	APF 1,000 with PA700 PAPR
Eye & Face Protection	ANSI Z87+
Head Protection	ANSI Z89.1-2020; Type 1, Class G
Visor Material	Coated Polycarbonate, Anti-Scratch, Anti-Fog
Faceseal or Shroud	Shroud, Disposable (Long)
Shroud Material	Polypropylene
Visor Area	200 cm ²
Visor Thickness	2 mm
Size Range (Circumference)	6 1/2- 8 in. / 52-64 cm
Headgear Shell	ABS
Headband	Velour Fabric Polyamide
Visor Frame	Z87+D3
Hearing Compatibility	VS120M - SKU 1035186-VS VS130M – SKU 1035187-VS
Operating Temperature	-10°C – +50°C / 10°F to 122°F in 20-90% RH
Storage Temperature	-30°C – +55°C / -22°F to 131°F in 90% RH
Natural Rubber / Latex Content	No
Weight g/lb. (complete assembly)	1,210g / 2.67LB
Shelf-life	Maximum shelf life is 4 years if properly maintained and kept in its original, dry and undamaged packaging in storing temperatures -30°C – +55°C up to 90% humidity



PA900 Series Technical Specifications: PA922

PA922 – Hard Hat with Standard Shroud	
Attribute	Specification
Approval Standard	NIOSH
Approved for Use with	Honeywell North PA700 Series PAPR
APF Classification	APF 1,000 with PA700 PAPR
Eye & Face Protection	ANSI Z87+
Head Protection	ANSI Z89.1-2020; Type 1, Class G
Visor Material	Coated Polycarbonate, Anti-Scratch, Anti-Fog
Face Seal or Shroud	Shroud, Standard
Shroud Material	Polyester Blend with PU Layer
Shroud Care	Washable by hand or laundered in warm water (60°C 140°F)
Visor Area	200 cm ²
Visor Thickness	2 mm
Size Range (Circumference)	6 1/2- 8 in. / 52-64 cm
Headgear Shell	ABS
Headband	Polyamide Velour Fabric
Visor Frame	Z87+D3
Hearing Compatibility	VS120M - SKU 1035186-VS VS130M – SKU 1035187-VS
Operating Temperature	-10°C – +50°C / 10°F to 122°F in 20-90% RH
Storage Temperature	-30°C – +55°C / -22°F to 131°F in 90% RH
Natural Rubber / Latex Content	No
Weight g/lb. (complete assembly)	1,340g / 2.95LB
Shelf-life	Maximum shelf life is 4 years if properly maintained and kept in its original, dry and undamaged packaging in storing temperatures -30°C – +55°C up to 90% humidity



PA900 Series Technical Specifications: PA923

PA923 – Hard Hat with Premium Shroud	
Attribute	Specification
Approval Standard	NIOSH
Approved for Use with	Honeywell North PA700 Series PAPR
APF Classification	APF 1,000 with PA700 PAPR
Eye & Face Protection	ANSI Z87+
Head Protection	ANSI Z89.1-2020; Type 1, Class G
Visor Material	Coated Polycarbonate, Anti-Scratch, Anti-Fog
Face Seal or Shroud	Shroud, Premium
Shroud Material	Flame Resistant Coated Fabric
Shroud Care	Hand wash or launder in cold water 60°C
Visor Area	200 cm ²
Visor Thickness	2 mm
Size Range (Circumference)	6 1/2- 8 in. / 52-64 cm
Headgear Shell	ABS
Headband	Polyamide Velour Fabric
Visor Frame	Z87+D3
Hearing Compatibility	VS120M - SKU 1035186-VS VS130M – SKU 1035187-VS
Operating Temperature	-10°C – +50°C / 10°F to 122°F in 20-90% RH
Storage Temperature	-30°C – +55°C / -22°F to 131°F in 90% RH
Natural Rubber / Latex Content	No
Weight g/lb. (complete assembly)	1,400g / 3.09LB
Shelf-life	Maximum shelf life is 4 years if properly maintained and kept in its original, dry and undamaged packaging in storing temperatures -30°C – +55°C up to 90% humidity



**RESPIRATORY PROTECTION
TECHNICAL DATA SHEET**

PA900 Series Additional Information

SKU	Description	QTY/ CASE	PKG LENGTH	PKG WIDTH	PKG HEIGHT	PKG WEIGHT
PA900 HEADGEAR ASSEMBLIES						
PA911	Bump Cap + Faceseal + PA900 Breathing Tube (PA032)	1	15.7in / 40cm	10.5in / 26.5cm	10in / 25.5cm	4.41LB / 2.0kg
PA921	Hard Hat + Faceseal + PA900 Breathing Tube (PA032)	1	15.7in / 40cm	10.5in / 26.5cm	10in / 25.5cm	4.63LB / 2.1kg
PA921DS	Hard Hat + Disposable Shroud. Short + PA900 Breathing Tube (PA032)	1	15.7in / 40cm	10.5in / 26.5cm	10in / 25.5cm	4.85LB / 2.2kg
PA921DL	Hard Hat + Disposable Shroud. Long + PA900 Breathing Tube (PA032)	1	15.7in / 40cm	10.5in / 26.5cm	10in / 25.5cm	4.85LB / 2.2kg
PA922	Hard Hat + Standard Shroud + PA900 Breathing Tube (PA032)	1	15.7in / 40cm	10.5in / 26.5cm	10in / 25.5cm	4.85LB / 2.3kg
PA923	Hard Hat + Premium Shroud + PA900 Breathing Tube (PA032)	1	15.7in / 40cm	10.5in / 26.5cm	10in / 25.5cm	5.29LB / 2.4kg
ACCESSORIES						
PA032	Breathing Tube for PA900 Series	1	14.2in / 36cm	5.9in / 15cm	2in / 5cm	0.6LB / 0.280kg
PA9312AM	Disposable Shroud, Long, NIOSH	1	12in / 30cm	10 in / 25cm	2.5in / 6cm	0.33LB / 0.150kg
PA9311AM	Disposable Shroud, Short, NIOSH	1	12in / 30cm	10 in / 25cm	2.5in / 6cm	0.27LB / 0.12kg
PA932AM	Shroud. Reusable Standard, NIOSH	1	12in / 30cm	10 in / 25cm	2.5in / 6cm	0.68LB / 0.310kg
PA933AM	Shroud. Reusable Premium	1	12in / 30cm	10 in / 25cm	2.5in / 6cm	0.8 LB / 0.365kg
PA934	Shroud Frame	1	11.4in / 29cm	10in / 25cm	9in / 23cm	0.34LB / 0.155kg
PA951	Forehead Seal	1	12in / 30cm	6.3in / 16cm	0.3in / 0.8cm	0.08LB / 0.034kg
PA961	Face Seal	1	12in / 30cm	10 in / 25cm	0.3in / 0.8cm	0.1LB / 0.044kg
PA991	Pivot Kit	1	2.4in / 6cm	1.6in / 4cm	0.8in / 2cm	0.02LB / 0.010kg
PA981	Visor Frame	1	9in / 23cm	8.7in / 22cm	5.9in / 15cm	0.54LB / 0.246kg
PA9711	Visor Standard	1	7.9in / 20cm	6.7in / 17cm	4in / 10cm	0.21LB / 0.096kg
PA9713	Visor UV/IR Shade 3.0	1	7.9in / 20cm	6.7in / 17cm	4in / 10cm	0.21LB / 0.096kg
PA9715	Visor UV/IR Shade 5.0	1	7.9in / 20cm	6.7in / 17cm	4in / 10cm	0.21LB / 0.096kg
PA905	Peel off Visor covers	5	13.8in / 35cm	7in / 18cm	0.4in / 1cm	0.02LB / 0.010kg
PA903	PA900 Head Suspension	1	9.8in/25cm	7.8in/20cm	5.5/14cm	0.22lb / 0.10kg



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Limited Warranty

HONEYWELL PERSONAL PROTECTIVE EQUIPMENT warrants the Honeywell North® Primair® 900 Series Headgear to the original owner to be free from defects in materials and workmanship for a period of one (1) year from the date of original shipment from Honeywell's factory. Honeywell's obligation under this warranty will be, at Honeywell's option, to repair or replace without charge the Honeywell North Primair 900 Series Headgear or any of its components found by Honeywell to have been defective during the warranty period, under the following terms:

1. The warranty claim is made (i) by the owner who purchased the Honeywell North Primair Series 900 Headgear new from Honeywell or an authorized Honeywell Distributor, and (ii) not more than three (3) months after the end of the warranty period.
2. The Honeywell North Primair 900 Series Headgear or component is found by Honeywell to have been defective in normal use and service during the warranty period of one (1) year from the date of purchase by the owner.
3. The Honeywell North Primair 900 Series Headgear or component is returned freight prepaid to Honeywell. either to its factory or to a Honeywell authorized service center and is thereafter returned to the owner freight collect.
4. This warranty does not apply (i) to any Honeywell North Primair 900 Series Headgear or component found by Honeywell to have become defective as a result of any accident, alteration, misuse, abuse, or servicing with parts not approved by Honeywell; (ii) to deterioration or aging of any component made of rubber or other elastomer since such components can be adversely affected by undue exposure to heat, sun, water, chemicals, ozone or other deteriorating elements; or (iii) to facepiece lens, compressed-air cylinders and parts that become defective through normal use. The decision as to what constitutes normal use shall be made solely by HONEYWELL PERSONAL PROTECTIVE EQUIPMENT.
5. To maintain this warranty, the purchaser must perform maintenance and inspections as prescribed in the User's Instructions which shall include prompt replacement or repair of defective parts and replacement of parts per the maintenance schedule as prescribed in the User's Instructions.

THE OWNER ASSUMES ALL OTHER RISKS, IF ANY, SUCH AS THE RISK OF ANY DIRECT, INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE ARISING OUT OF THE USE OF, OR INABILITY TO USE, THE PRODUCT.

SERVICING HONEYWELL RESPIRATORS WITH PARTS NOT APPROVED BY HONEYWELL WILL VOID THIS WARRANTY AND NIOSH APPROVAL FOR THE RESPIRATOR. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED AND MAY NOT BE VARIED OR EXTENDED EXCEPT IN WRITING BY AN AUTHORIZED OFFICIAL OF HONEYWELL INDUSTRIAL SAFETY.