

Honeywell North® Primair® 700 (PA700) Series Powered Air Purifying Respirator (PAPR)

The Honeywell North PA700 PAPR is engineered to be ergonomic, efficient and effortless to get workers on the job faster and keep them comfortable and productive. Offering convenience, comfort, and confidence, the PA700 is a belt-mounted, powered air purifying respirator platform from Honeywell Industrial Safety.

Q1: Why did Honeywell develop the PA700 PAPR?

A1: The industry need for PAPR products has been increasing. As demand goes up, so do expectations. Honeywell consulted PAPR users and safety managers on ideal features and functionality. Feedback indicated a need for improved ergonomics, clean-ability, and reliability. Competitors in the space had made some improvements, but there were still gaps. Honeywell needed a new PAPR and took the lessons learned from customer feedback and careful examination of existing products to develop the new PA700.

Q2: Does the PA700 have all the capability or functionality of its competitors?

A2: Not yet, but in time it will exceed the competitive products. It is important to understand, the PA700 is a platform product with greater functionality in the works. Honeywell has chosen to launch the PA700 in stages to deliver a better PAPR for the market as soon as possible. In the coming months and years, Honeywell will add to the PA700 line with gas/vapor cartridges, all-new multi-function reusable headpieces, a new welding helmet solution and systems for potentially explosive environments.

Q3: What are the competitive advantages versus other PAPRs in the market today? What makes it better?

A3: The PA700 was designed to be one of the easiest PAPRs to use in the market today. Assembling the unit is as easy as twist, push, “click” and go. It’s durable, cleanable and comfortable. In fact, worker comfort is one of the cornerstones of the new design. The ergonomic shape and choice of materials helps distribute the weight of the PAPR and keep it from slipping. The optional comfort pad can be snapped on, providing even more cushioning support.

The PA700 is also serious about safety. There are three alarms to warn the user about low battery or low air-flow conditions. The long-lasting lithium-ion battery slides into the unit and locks – keeping it secure and protected on five sides. This greatly reduces the risk that the battery will accidentally disengage during use. The control keypad was designed to allow for access to the flow-control button during use, but keeps the power button out of reach to prevent unintended shut-down.

Finally, the PA700 introduces connectivity to the Honeywell PAPR suite of products. Honeywell upgraded the PA700 blower with a low-energy Bluetooth transmitter. Power on the Bluetooth-enabled PAPR, and the system will automatically begin to transmit real-time, operational data.

For more information

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A mobile application turns your smartphone into a gateway. Whenever it's in range of the connected blower, the phone will push the device data to the Honeywell cloud.

Q4: In the current configuration, where would I use the PA700? What sort of situations?

A4: Use the PA700 in situations where you need protection from particulate contaminants but do not require head protection:

- Health threatening particulates – silica dust, asbestos, lead (manufacturing, construction, concrete repair, remediation, decommissioning)
- Live, cellular threats – bacteria (hospitals, healthcare centers), mold spores, (remediation, site clean-up)
- Protecting work environment AND worker – pharmaceutical manufacturing, food manufacturing, cancer treatment centers (chemo “cocktail” mixing)
- Other environments – heavy dust, dirt, smoky (not FIRE or IDLH)

Q5: Which hoods and masks are approved with the PA700?

A5: The PA700 is approved with the following Primair hoods: PA111, PA121, PA131, PA14, PA200 Series loose fitting hoods (PA201E01, PA231E01), 7600 series tight fitting full facepieces (Standard: 760008A, 760008AS, Welding: 760008AW, 760008ASW), RU6500 (RU65001S, M, L and RU65002S, M, L) and 5400 series tight fitting full facepieces (Standard: 54001, 54001S, Welding: 54001W, 54001SW).

Q6: Will the PA700 be sold in kits or are all items sold separately?

A6: Both - the PA700 will be sold in kits as well by component. The PA700 launch kits contain the blower, the battery, the battery charger with power cords, a flow meter, a belt, a comfort pad, a HEPA filter and the optional filter cover. The kit numbers are PA701HE (standard belt), PA701HED (decon belt), and PA701-810 (welding belt, breathing tube and PA800 welding helmet)

Q7: The Honeywell North CA200 Series PAPR had three filters. Does the PA700 HEPA filter have a shorter service life since there is only one?

A7: The PA700 HEPA filter is a high capacity filter designed to have a comparable service life to the CA200's three filters.

Q8: There was a new DOE regulation regarding rechargeable batteries that went into effect June 2018. Was the PA700 be impacted?

A8: No, the PA700 was designed with this new regulation in mind. The new battery charger does meet the 2017 DOE standard, which requires chargers for rechargeable batteries to stop using power as soon as the battery is fully charged.

Q9: Will the CA200 hoses work with the PA700?

A9: No. The PA700 has newly designed hoses, but they *are* compatible with existing Primair hoods and Honeywell North full facepieces.

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RESPIRATORY PROTECTION FREQUENTLY ASKED QUESTIONS

Q10: I am a current CA200 user. Is there a program for me to upgrade?

A10: There is no universally applicable “trade up” program, but your Honeywell Account Manager can work with you on a trade up if your business does qualify. Speak with your Honeywell Account manager for details.

Q11: Honeywell, as a corporation, has been advertising “The Power of Connected.” Are there connected capabilities for the PA700 PAPR?

A11: Starting May 2019, the PA700 will ship standard with a Bluetooth enabled system incorporated into the hardware of the blower system. For more details on the PA700 connected PAPR, please contact your Honeywell Sales Representative or go to www.honeywellsafety.com for more details.

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