

Product: North Compact Air™ Powered Air-Purifying Respirators

7600 with CA102



CA101 with PA101

Q: Is the North Compact Air PAPR a belt mounted or facepiece mounted unit?

A: It is a belt mounted unit.

Q: How comfortable and lightweight is the Compact Air PAPR?

A: You will find this unit very comfortable and lightweight, especially when compared to similar style PAPRs.

- The North Compact Air features a comfort backpad to distribute weight evenly.
- The complete unit as it would be worn is only 4 to 6 lbs depending on the filters or cartridges used and backpad configuration.

Q: Can workers wear the blower battery assembly on their side?

A: Yes. The backpad is designed so the PAPR can be worn with the blower battery assembly behind the worker or on his side – ideal for workers who need to sit, such as when operating forklifts.

Q: Is an adapter needed to convert a North air-purifying facepiece to a PAPR?

A: No. The unique 'Y' breathing tube screws directly onto the facepiece cartridge connectors. No adapter or tools are needed.

Q: What North facepieces can be used with the North Compact Air PAPR?

A: The 5500 & 7700 Series half masks, and the 5400 & 7600 Series full facepieces can be converted to a PAPR. This includes the 5400 & 7600 facepieces with welding adapter.

Q: Are there different styles and sizes of hoods and head covers available?

A: Yes. The North Primair Series offers several styles to meet most workplace needs.

- Primair are loose fitting facepieces, available in Tyvek QC, in small medium and large.
- Primair Plus are hoods, available in Tyvek QC and Saranex coated Tyvek, universal size.

North Safety Products
2000 Plainfield Pike
Cranston, RI 02921

Telephone 401-943-4400
Facsimile 401-946-7560

www.northsafety.com

Q: Are replacement hoods available?

A: Yes. Both Primair and Primair Plus replacement hoods are available

Q: Is a breathing tube included with the Compact Air Blower/Battery Assembly?

A: Yes. Either a straight tube for use with the North Primair Series (CA101) or a 'Y' breathing tube for use with North facepieces (CA102) is included with the complete assembly.

Q: Is a charger included with the Compact Air Blower/Battery Assembly?

A: Yes. A single unit charger with trickle charge feature is included with complete assembly.

Q: Is a facepiece or hood included with the Compact Air Blower/Battery Assembly?

A: No. The Compact Air PAPR can be used with North half masks, full facepieces and several styles of loose fitting head covers. Additionally, tight and loose fitting facepieces are available in several sizes. This allows users to find the right facepiece or head cover for the job, and to give workers the best fit possible.

Q: Are cartridges or filters included with the Compact Air Blower/Battery Assembly?

A: No. North offers an array of HEPA filter, chemical cartridge and cartridge/filter combinations so you can select the right protection for your job site.

Q: What type of battery is used with the North Compact Air PAPR?

A: Nickel Metal Hydride (NiMH).

Q: Why is a Nickel Metal Hydride (NiMH) battery better than a Nickel Cadmium (NiCad) battery?

A: NiMH batteries do not have a memory so recharging is easier and faster. They are lighter weight. But most importantly NiMH batteries do not diminish in power during operation, unlike NiCad batteries which will gradually lose power during the day.

Q: How many hours of use can I get from the North Compact Air PAPR?

A: A minimum of 8 hours if the battery is fully charged when you first start to use the unit. The exact time of service may vary.

Q: Will the air flow of the North Compact Air PAPR start to diminish during the work period?

A: North's Compact Air PAPR features a nickel metal hydride (NiMH) battery which delivers an even power supply through the entire work period.

Q: How quickly does the battery recharge?

A: The Compact Air PAPR uses a nickel metal hydride (NiMH) battery which can be recharged in six hours or less, depending on several factors including how much service life was left in the battery.

Q: Can the battery be left on the charger overnight or over the weekend?

A: Yes. The North Compact Air PAPR battery features a thermister or "trickle" charge which allows the user to leave the battery on the charger for extended periods.

Q: How many times can the battery be recharged?

A: Over 200 times. Exact number of charges may vary.

Q: Does the North Compact Air meet the UL/ULC requirements for most industrial applications?

A: Yes. North's Compact Air PAPR is UL listed for the United States and Canada, meeting the requirements for the majority of industrial applications. But the North PAPR is not certified as intrinsically safe, a requirement for a select number of applications.

Q: What is the difference between the tight fitting (CA102) and loose fitting (CA101) versions?

A: There are two main differences.

- The amperage of the battery
 - o CA101: 9 amp battery to deliver a minimum of 6 CFM to the hood or loose fitting facepiece. Battery and blower housing are color coded black with yellow trim.
 - o CA102: 7 amp battery to deliver a minimum of 4 CFM to North's tight fitting facepieces. Battery and blower housing are color coded blue with yellow trim
- The breathing tube
 - o CA101: straight breathing tube to fit the Primair Series head covers
 - o CA102: 'Y' breathing tube to fit North's tight fitting facepieces

Q: What is the difference between the standard North Compact Air PAPR and the decon version?

A: The standard Compact Air PAPR features a nylon belt. The decon version features a polyvinyl chloride (PVC) backpad and belt. Otherwise they are the same. Add the suffix 'D' for the decon version.

Q: Why does the Primair Series include a headgear?

A: Use of a headgear helps to keep the head cover secure on a worker's head. The integrated manifold directs air over the lens.

Q: Do North Compact Air PAPR filters and cartridges have a shelf life?

A: No. As long as the filters or cartridges have been stored in a clean, dry environment, away from excessive heat or cold they are fine.

Q: Are peel-away windows available?

A: Yes. There are 3 sheets per set, 5 sets per package. Refer to the Price List for order information

Q: Are covers for the breathing tube available?

A: Yes. Optional Tyvek covers can facilitate cleaning the breathing tube.

- 'Y' Breathing tube for tight fitting facepieces: North part number CA114 (10 sets of 3)
- Straight breathing tube for Primair Series: North part number CA113 (10 each)

Q: Are all the NIOSH approvals complete?

A: The Compact Air PAPR is NIOSH approved for use with North's 5500, 7700, 5400 and 7600 Series air-purifying masks, and for use with North's Primair Series hoods and head covers, in all sizes and styles. NIOSH approval for the Primair HD PAPR is pending, and will be available the first half of 2006.

North will continue to expand the line, offering even more styles to meet market needs.

Q: What filters and cartridges are available for use with the North Compact Air PAPR?

A: The Compact Air PAPR has NIOSH approval for several chemical cartridges and filter combinations

Filter

40HE High Efficiency Particulate Air-Purifying (HEPA) Filters

Chemical Cartridges

4001 Organic Vapor

4003 Organic Vapor, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Fluoride, Chlorine Dioxide, Hydrogen Sulfide (escape)

4004 Ammonia / Methylamine

Chemical Cartridge / Filter Combination

4001HE Organic Vapor with HEPA filter

4003HE Organic Vapor, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Fluoride, Chlorine Dioxide, Hydrogen Sulfide (escape) with HEPA filter

4004HE Ammonia / Methylamine with HEPA filter

Q: NIOSH is changing the Standard for PAPRs. Are units sold today still OK to use?

A: Yes. Until the new Standard is released, which will probably take several years, all current NIOSH approvals are still good. This includes the North Compact Air PAPR system. Refer to our web site for a complete list of NIOSH approvals.

For a more comprehensive list of Questions and Answers refer to the North Web Site, www.northsafety.com.