



by Honeywell

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by Honeywell



## RESPIRATORY PROTECTION





North by Honeywell is known for the North 7700 Series, the most popular half mask today. The same high quality and reliability you have come to expect from North is also available in our full range of respiratory products, from disposables to Self-Contained Breathing Apparatus, so you can select the respirator that best meets your job needs and budget.

ADAPTABILITY

North 7700 & 5500 half masks and 7600 & 5400 full facepieces can be adapted from Air-Purifying to PAPR to Supplied Air, quickly and easily without adapters or other tools. Refer to pages 10 through 13 for more information.



WHICH TYPE OF RESPIRATOR SHOULD YOU CHOOSE?

- Each type of respirator, whether an air-purifying half mask, an airline hood, or an SCBA has advantages and disadvantages. Which respirator is right for you depends on many factors. Questions you should consider include:
- What are the contaminants? Are they gases or vapors, or are they particulates?
  - What are the contaminant concentrations?
  - Will the job be on-going or will respirators only be required for a few weeks?
  - If an airline system is required, is it practical, or will a PAPR be more appropriate?
  - What other worksite conditions will be encountered, such as high humidity or high heat?
  - Will workers be performing special tasks like welding or grinding?
  - Do you need a respirator that can adapt from APR to PAPR or supplied air?

There are many resources to help you select the right mask for your application. For more information and guidance visit the North web site at [www.northsafety.com](http://www.northsafety.com) or email us at [hsptechsupport@honeywell.com](mailto:hsptechsupport@honeywell.com).

RESPIRATORY PROTECTION PROGRAM

United States:

OSHA's Standard on Respiratory Protection, §29 CFR 1910.134, requires a Respiratory Protection Program be in place before your workers wear respirators. The program must be site specific, not copied from a "canned" one size fits all template. It must be dynamic, changing as your worksite changes. And it must address all the respiratory hazards that may be encountered at your site. For more information on putting together your Respiratory Protection Program contact OSHA's Advisory Group or your Employment Compensation Insurance carrier.

Canada:

CSA's Respiratory Standard, Z94.4, sets out requirements for the proper selection, use and care of respirators and the administration of an effective respiratory protection program in the workplace. Provinces also have their own Standards, for example CSST in Quebec, Ministry of Labor for Ontario and the Compensation Board for British Columbia. You need to become familiar with both the national CSA Standard and any local requirements that may apply.

North Training and Support Materials .....	2
Air-Purifying Facepieces .....	3-16
Filtering Facepieces .....	4-7
Limited Use Facepieces.....	8-9
Half Masks.....	10-11
Full Facepieces.....	12-13
Cartridges & Filters.....	14-15
Mouthbit Respirators .....	16
Powered Air-Purifying Respirators .....	17-22
Compact Air® PAPR Blowers and Battery Assemblies .....	18-19
Cartridges and Filters for PAPR .....	19
Primair™ Head Covers .....	20
Primair FM™ 200 Series Head Covers.....	21
Primair FM™ 300 Series Head Covers.....	22
Supplied Air Respirators.....	23-32
Continuous Flow Facepieces .....	24-25
Continuous Flow Hoods.....	26-27
Ambient Air Pumps.....	28
APF for North Hoods.....	29
Pressure Demand Airline.....	30-31
Compressor .....	31
Hoses & Couplers .....	32-33
Pressure Schedules.....	34
SCBA and EEBA .....	35-40
North Frontier® SCBA .....	36-38
Hoses and Replacement Cylinders for Frontier® SCBA .....	39
Emergency Escape Breathing Apparatus .....	40
Respirators for Welding.....	41-46
Disposables and CFR-1 .....	42
7700 Series and Low Profile Filters .....	43
Backpack Adapter .....	43
Full Facepieces for Air-Purifying, PAPR and Supplied Air .....	44
PAPR Respirators and Welding Helmets .....	45-46
Gas Masks & Domestic Preparedness .....	47-52
CBRN Air-Purifying Respirator .....	48
CBRN Escape Hood .....	49
Riot Control Respirator .....	50
Incident Response Kits.....	51-52
Accessories .....	53-56
Fit Test Kits .....	54
Cleaning & Sanitizing.....	55
Accessories for Full Facepieces & Hoods .....	55
Voice Amplifier .....	56
Storage .....	56
Index .....	57
Warranties.....	58



*Note: Products listed in this catalog are for use in the United States, Canada, Mexico, as well as other South and Central American countries. However, not all products are available in every country, and some products may require export licenses or have other restrictions before they can be shipped outside NAFTA countries. Limitations are noted where applicable.*



# North Training and Support Materials



**RESPIRATORY PROTECTION TRAINING CLASSES**

North offers valuable training programs on all its PPE products (personal protective equipment) both on-site and at various North locations around the world. Our respiratory protection training class includes: How to build a respiratory program, selection of protection, fit testing, qualitative fit testing and train-the-trainer.

North training sessions are educational, NOT promotional. We provide value and common sense information with regulatory or provincial standards in mind, including CSA, ANSI and other North American standards. Depending on your requirements, you can choose from basic courses to more detailed, train-the-trainer courses. Participants also receive a certificate and wallet card on completion. For more information, visit our website: [www.NorthSafety.com](http://www.NorthSafety.com).



**EZGUIDE™**

The ezGuide program is designed to help the user develop objective change-out schedules for North gas and vapor cartridges. In addition, the ezGuide will determine the appropriate types of respiratory and glove protection needed. It was designed to make it easier for the user to be compliant OSHA regulation 29 CFR 1910.134. and CSA Z94.4. Visit [www.NorthSafety.com](http://www.NorthSafety.com).



**WORKPLACE INSTRUCTIONAL POSTERS**

**North Cartridge and Filter Reference Poster**

Poster shows all North cartridges, filters and pre-filters, the contaminants they protect against, and the appropriate facepieces for which they are NIOSH approved. Available in English, French and Spanish.

**Respirators for Welding**

An easy to follow guideline on respiratory selection for welding. The guide lists types of welding such as MIG/TIG as well as the more common contaminants found in welding applications.

**Donning Posters**

These posters are a quick guide showing pre-use inspection, donning procedures and safety checks required before entry into a contaminated area. All posters are available in English, French and Spanish.

- Replacement Parts Poster**
- Disposable Dust Masks
  - 5400 and 7600 Full Facepieces
  - 5500 and 7700 Half Masks
  - Frontier® SCBA
  - Half Masks and Full Facepieces: This poster offers exploded views, with listings of all the replacement parts. Ideal to place near areas where respirators will be cleaned and inspected.
  - Ambient Air Pumps: Exploded views of ambient air pumps sold separately and as part of North Pump Kits.

## NORTH TRAINING VIDEOS AND DVDS

- North offers training videos that demonstrate the proper use, maintenance and limitations of respirators, including:
- Air-Purifying:** This 12 minute DVD explains why wearing a respirator is important to personal health, and is followed by four sections: Getting a Good Fit, Filters and Cartridges, Using your Respirator and Cleaning and Maintenance. Available in English and Spanish.
- Airline:** This 20 minute video explains what an airline respirator is and the different types that are available for use. The narrator then discusses hoses and couplers, the different air sources and the operational differences between continuous flow and pressure demand respirators.
- SCBA:** This DVD is divided into chapters, each chapter focuses on a key element of using your Frontier SCBA, including how to put on and remove the unit, its proper care and basic maintenance, and what to do during the event of an emergency. The DVD includes English, Spanish and French.
- ER2000CBRN:** This DVD has step by step instruction on how to put on the ER2000CBRN as well as some basic guidelines on what may be expected during an emergency evacuation. English only.

## TECHNICAL SUPPORT

For Technical Support on Respiratory equipment, call North or visit our website at [www.NorthSafety.com](http://www.NorthSafety.com).



by Honeywell

# Air-Purifying Respirators



## Advantages of Air Purifying Respirators

- Lowest up front costs
- Greatest worker familiarity
- Minimal training
- No hoses to limit mobility

Some assigned protection factors for Canada will change with the new CSA Standard, Z94.4-2010. APR Full Facepieces (QNFT) will change from 100 to 50, and PAPR & SAR hoods will change from 1,000 to 25.

## Assigned Protection Factors (APF)

	U.S.	Canada
• Disposables	10	10
• Limited Use	10	10
• Half Masks	10	10
• Full facepiece, qualitatively tested	10	10
• Full facepiece, quantitatively tested	50	50



COMFORT MASK



**Nuisance Level Mask (not NIOSH Approved)**

The North RP1500 Comfort Mask provides relief from nuisance levels of dusts. It is not for use where concentrations are at or above the Permissible Exposure Limit (PEL).

PART NO.	DESCRIPTION	PACKAGING
RP1500	Comfort Mask. Universal size.	50 per Box

Not available in the United States or Mexico

PRODUCT CATEGORY SUMMARY

North offers a variety of disposable respirators to meet a variety of job applications. From economy to deluxe, cup style or flat fold, you can be sure to find the right respirator for your worksite.

PART NO.	TYPE	STYLE	FOAM PAD	NOSE CLIP	HEAD STRAPS	EXH. VALVE	ODOR RELIEF
5130N95	N95	Cup	Open Cell	Straight Style	Elastic	No	No
7130N95, S	N95	Cup	Closed Cell	Curved Style	Elastic	No	No
7230N95, B	N95	Flatfold	Closed Cell	Integrated	Elastic	No	No
7240N95, B	N95	Flatfold	Closed Cell	Integrated	Elastic	Yes	No
7140N95, S	N95	Cup	Closed Cell	Curved Style	Elastic	Yes	No
8140P95	P95	Cup	Closed Cell Full Seal Area	Curved Style	Elastic	Yes	No
8145P95	P95	Cup	Closed Cell Full Seal Area	Curved Style	Adjustable	Yes	Yes OV, AG, OZ
8150P100	P100	Cup	Closed Cell Full Seal Area	Curved Style	Adjustable	Yes	No

ECONOMY N95 DISPOSABLE RESPIRATOR



The North 5130N95 provides basic protection from dust, mists and fumes without breaking your budget. Ideal for occasional use or light duty applications. NIOSH approved N95 for use in non-oil environments.

PART NO.	DESCRIPTION	PACKAGING
5130N95	Economy Disposable. Universal size.	30 per Box

FEATURE	FUNCTION	BENEFIT
Open cell foam nose pad	• Creates a cushion between the nose and the mask	• Increased comfort
Nose clip	• Helps form the mask to the shape of the user's nose	• More secure seal
Latex Free	• No common allergens	• Worry free for you and your workers

STANDARD N95 DISPOSABLE RESPIRATORS



North 7130N95 and 7140N95 disposable respirators are the disposable workhorse you have been looking for. Ideal when workers must wear masks for extended periods. Available with or without an exhalation valve. NIOSH approved N95 for use in non-oil environments.

FEATURE	FUNCTION	BENEFIT
Closed cell foam nose pad	• Smoother surface • Creates a cushion between the nose and the mask	• Extremely soft and comfortable • More secure seal
Curved nose clip	• Follows the contours of the user's nose	• Superior seal at the nose bridge
Latex Free	• No common allergens	• Worry free for you and your workers
Nose pad covers wider area	• Better fit for more facial types	• Fit more workers with one mask
Exhalation valve on 7140 mask	• Limits build up of warm, moist exhaled breath • Lessens carbon dioxide build up	• Cooler, more comfortable • Increased worker productivity

PART NO.	DESCRIPTION	PACKAGING
7130N95, S	Disposable respirator without valve. Small or medium/large size	20 per Box
7140N95, S	Disposable respirator with valve. Small or medium/large size	10 per Box

FLATFOLD N95 DISPOSABLE RESPIRATORS



Portability is the key. These flatfold style respirators can fit in your pocket; stuff a stack in your duffle – always at the ready for when you need a dusk mask now. They are available individually wrapped to protect the respirator before use or bulk packaging, ideal for use in dispensers. Both are available with or without an exhalation valve.

FEATURE	FUNCTION	BENEFIT
Flatfold design	• Compact when not in use, can be kept in worker's pockets for future use	• Increases worker productivity • Workers are more likely to change masks when required
Option for individually wrapped	• Masks are kept clean until ready to use	• Better hygiene • Workers won't toss "dirty" masks before they're used
Option for bulk packaging	• Can be used in respirator dispensers	• Masks are readily available on the facility or shop floor
Latex Free	• No common allergens	• Worry free for you and your workers
Nose Clip incorporated into mask	• Filter media and clip stay together • No exposed metal parts	• Improved fit around the bridge of the nose
Exhalation valve on 7240 mask	• Limits build up warm, moist exhaled breath. • Lessens carbon dioxide build up	• Cooler, more comfortable • Increases worker productivity

PART NO.	DESCRIPTION	PACKAGING
7230N95	• Disposable respirator without valve, individually wrapped universal size	20 per Box
7230N95B	• Disposable respirator without valve. Bulk packaged, universal size	20 per Box
7240N95	• Disposable respirator with valve. Individually wrapped, universal size	10 per Box
7240N95B	• Disposable respirator with valve. Bulk packaged, universal size	10 per Box

DISPOSABLE RESPIRATORS



When you are faced with a dirty job you need a dust mask that will measure up. The North 8140P95 is here to meet the challenge. NIOSH approved P95 for use in environments that contain oil based aerosols.

FEATURE	FUNCTION	BENEFIT
Wide sealing area around entire mask	• Improved fit for more facial types	• Less inventory, fit more workers with one mask
Sealing area notched at nose	• Better fit at the nose bridge for more facial types	• More comfortable fit for more workers • More secure seal
Closed cell foam sealing area	• Smoother surface • Creates a cushion between the face and the mask	• Extremely soft and comfortable • More secure seal
EZ Flow™ exhalation valve	• Directs exhaled breath downward • Limits build up of warm, moist exhaled breath • Lessens carbon dioxide build up	• Easier to exhale, less worker fatigue • Cooler, more comfortable • Increased worker productivity
Curved nose clip	• Follows the contours of the user's nose	• Superior seal at the nose bridge
Latex Free	• No common allergens	• Worry free for you and your workers
P95 protection	• Can be used in atmospheres that may contain oil • No 8 hour time limit restrictions	• Flexibility to use in more types of particulate environments • Will not fall down on the job, even when your job goes into overtime

PART NO.	DESCRIPTION	PACKAGING
8140P95	Disposable respirator with valve. Universal size	10 per Box

VOLUNTARY USE OF DISPOSABLE RESPIRATORS  
United States

Use of disposable respirators by workers does not exempt an Employer from establishing a Respiratory Protection Program. Even if disposable respirators are permitted as a "Voluntary" option for workers, the Employer must first determine that any potential contaminant concentrations are below OSHA's Permissible Exposure Limit (PEL), and the Employer must also provide Employees wearing respirators with a copy of Appendix D from the OSHA Standard on Respiratory Protection §29 CFR1910.134.

Canada

Even when a respirator is used below the Permissible Exposure Limit (PEL), a full respiratory Protection Program is required including fit testing.

DELUXE P95 & P100 DISPOSABLE RESPIRATORS



These masks deliver when you require the most from your disposable respirator. The North 8145P95 also provides odor relief from nuisance levels of organic vapors, acid gases and ozone. North's 8145P95 is a NIOSH approved P95 and the 8150P100 is a NIOSH approved P100 for use in environments that contain oil based aerosols.

FEATURE	FUNCTION	BENEFIT
Adjustable Straps	• Workers can adjust for the best fit and comfort	• Greater worker acceptance, masks stay comfortable longer
P95 or P100 protection	• Can be used in atmospheres that may contain oil • No 8 hour time limit restrictions	• Flexibility to use in more types of particulate environments • Will not fall down on the job, even when your job goes into overtime
Color coded valves	• Magenta for P100 • Blue for nuisance odor control	• Easy to recognize, confirms worker is wearing the right protection
8145P95 has odor relief from organic vapors, acid gases and ozone	• Workers are not bothered by annoying odors that can irritate	• Greater worker productivity and acceptance of respirator use
8150P100 is individually wrapped	• Masks are kept clean until ready to use	• Better hygiene • Workers won't toss "dirty" masks before they're used

PART NO.	DESCRIPTION	PACKAGING
8145P95	N95 disposable respirator with valve, plus odor relief from nuisance level OV, AG and Ozone. Universal size with adjustable straps.	5 per Box
8150P100	P100 disposable respirator with valve. Universal size with adjustable straps.	5 per Box

FILTER EFFICIENCIES

The National Institute of Occupational Safety and Health (NIOSH) classifies filters in two ways, type and efficiency. Using these classifications there are nine possible filter groups. The most commonly used are N95 as the most economical, and P100 providing the highest possible protection. The classifications are defined on the right.

- Type**
- N** Not for use in atmospheres that contain oil based aerosols.
  - R** Restricted to eight hours of service life if used in atmospheres that contain oil based aerosols.
  - P** Oil Proof. May be used without restrictions in atmospheres that contain oil based aerosols.

- Efficiency**
- 95** 95% minimum filter efficiency in removing particulates.
  - 99** 99% minimum filter efficiency in removing particulates.
  - 100** 99.97% minimum filter efficiency in removing particulates.



NORTH CFR-1 RESPIRATORS



LIMITED USE RESPIRATORS

Limited Use Respirators provide long term savings and convenience. Replaceable filters last longer than disposable respirators, without the hassle of replacement parts reusable masks require.

North CFR-1 half masks are ideal for dusty environments that require frequent change out of filters. The welding version features a stainless steel mesh cover to catch sparks and slag. Both the standard and the welding version are shipped with N95 filters. R95 replacement filters are also available for use where oil may be present.

NIOSH approved N95 for use in non-oil environments, and NIOSH approved R95 for use in environments that contain oil based aerosols. R filters are restricted to 8 hours of use if used when oil is present.

FEATURE	FUNCTION	BENEFIT
Elastomeric faceseal	<ul style="list-style-type: none"><li>• Superior fit over filtering facepieces</li><li>• Filters are not in direct contact with the worker's face</li><li>• Replacement filters do not require straps, nose clip or staples</li></ul>	<ul style="list-style-type: none"><li>• Workers feel more secure knowing their masks are protecting them</li><li>• Filters stay dryer and cleaner so they last longer</li><li>• Filters cost less than filtering facepieces, saving you money</li></ul>
Cradle suspension	<ul style="list-style-type: none"><li>• Secures the upper strap on the top of the head</li></ul>	<ul style="list-style-type: none"><li>• Straps are always in the right position for a proper fit, even when workers are constantly moving</li></ul>
Top and bottom headstraps adjust in a single motion	<ul style="list-style-type: none"><li>• Quick and easy to put on</li></ul>	<ul style="list-style-type: none"><li>• Workers are on the job faster</li></ul>
'Parking' feature	<ul style="list-style-type: none"><li>• Mask is still handy and at the ready when not worn</li></ul>	<ul style="list-style-type: none"><li>• Workers can get back to work quickly after a break.</li></ul>
Standard mask has a User Seal Check gasket Welding mask has inhalation valve	<ul style="list-style-type: none"><li>• Easy to perform a negative user seal check</li></ul>	<ul style="list-style-type: none"><li>• Know the mask is on properly</li><li>• Stay in compliance with OSHA's requirements</li></ul>
Exhalation valve	<ul style="list-style-type: none"><li>• Limits build up of warm, moist exhaled breath</li><li>• Lessens carbon dioxide build up</li></ul>	<ul style="list-style-type: none"><li>• Easier to exhale, less worker fatigue</li><li>• Cooler, more comfortable</li><li>• Increased worker productivity</li></ul>
Three sizes	<ul style="list-style-type: none"><li>• Fits a wider range of facial types</li></ul>	<ul style="list-style-type: none"><li>• Get the best fit possible for each of your workers.</li></ul>

PART NO.	DESCRIPTION	PACKAGING
4200S, M, L	CFR-1 half mask complete with one N95 filter. Sizes small, medium and large	Each
4200SW, MW, LW	CFR-1 half mask complete with one N95 filter. Includes stainless steel mesh front for welding. Sizes small, medium and large	Each
42N95	Replacement filters, N95	20 per Box
42R95	Replacement filters, R95	10 per Box

NORTH 7190N99 WELDING HALF MASK



7190N99

Coaxial valve channels air.

The North 7190N99 half mask is an innovative design that never goes out of style. Features include the unique coaxial valve system and a low profile to fit under welding helmets. NIOSH approved N99 for use in non-oil environments.

FEATURE	FUNCTION	BENEFIT
Coaxial Valve System	<ul style="list-style-type: none"><li>• Channels inhaled air directly to the breathing zone</li><li>• Exhalation valve expels warm, moist breath</li></ul>	<ul style="list-style-type: none"><li>• Less worker fatigue</li><li>• Workers feel cooler, more comfortable</li></ul>
Large filter surface	<ul style="list-style-type: none"><li>• Filters last longer so you change filters less often</li></ul>	<ul style="list-style-type: none"><li>• Cost savings</li></ul>
Low "wrap around" profile	<ul style="list-style-type: none"><li>• Fits under welding helmets and faceshields</li></ul>	<ul style="list-style-type: none"><li>• Economical way to protect your welders</li></ul>
Adjustable head straps	<ul style="list-style-type: none"><li>• Workers can adjust for the best fit and comfort</li></ul>	<ul style="list-style-type: none"><li>• Greater worker acceptance, masks stay comfortable longer</li></ul>

PART NO.	DESCRIPTION	PACKAGING
7190N99	Welding half mask complete with one N99 filter	Each
71909N99	Replacement filters, N99	2 per Pack



NORTH RESPIRATORS FOR WELDING

See page 41 for a complete line of respiratory protection for welders — from disposables to supplied air. For even more welding safety products, ask your North representative for a copy of our Fibre-Metal by Honeywell catalog.

7700 AND 5500 SERIES HALF MASKS



7700 Series

The North 7700 half mask is the industry standard for comfort, fit and reliability. For over 25 years the North 7700 has proven itself, protecting workers in some of the harshest environments. Why settle for a copy, when you can have the original? The North 5500 is the economical choice for the occasional user, contractors or as a "visitor's mask". The North 5500 has many of the same features as the 7700 mask, but made with an elastomeric material.

Cartridges and filters sold separately. Refer to pages 14 and 15 for a complete listing.

FEATURE	FUNCTION	BENEFIT
GENERAL		
Can be adapted to PAPR or Supplied Air	• Flexible for multiple work environments	• No need to inventory, train workers and fit test them on several respirators
Only 9 replacement parts – and all parts are replaceable	• Quick and easy to strip down and clean • Less inventory	• Cost savings in maintenance
Both the 7700 & 5500 are latex free	• No latex allergens	• Safe for your workers with allergies
Low “dead air” space	• Less exhaled breath is re-breathed	• Increased worker productivity
Strategic placement of exhalation valve	• More breath is exhaled out of the mask faster	• Workers feel cooler, more comfortable
FACESEAL		
Variable thickness in sealing area	• Nose area is flexible enough to conform to the bridge of the nose, but not too thin to collapse • Built up chin area supports the mask, maintains fit even while the wearer is talking • Sides are medium thickness to maintain a seal without pressure points.	• Superior comfort without sacrificing fit
Wide, contoured sealing area	• Improved fit for more facial types	• More people will fit in a medium, so you have less inventory of alternate sizes
Overlapping sizes	• Fits a wider range of facial types	• Get the best fit possible for each of your workers
HEAD STRAP		
Expanded angle on cradle suspension is fixed into position	• More secure fit that will not slip • Workers can not wear it incorrectly	• Ideal for workers in active jobs • Less training on proper donning
Headstraps have dual elasticity Top straps have less stretch Bottom straps provide more stretch	• Holds the respirator in place • No constraints as worker turns head side to side	• More secure fit • More comfortable, will not pinch • Will not pull on the mask and jeopardize the seal
‘Parking’ feature	• Mask is still handy and at the ready when not worn	• Workers can get back to work quickly after a break
MASK MATERIAL		
7700 is 100% silicone – no fillers	• No chance of latex allergens • More durable, greater chemical resistance • More comfortable than other masks	• Worry free for you and your workers • Like new after other masks have quit • Increased user acceptance
5500 is elastomeric with a silicone blend	• Economical • Softer than other elastomeric masks • No chance of latex allergens	• Ideal for occasional use or for sub-contractors • More comfortable and better fit than other economy masks



All North Half Masks can be adapted to PAPR or Supplied Air.

PART NO.	DESCRIPTION	PACKAGING
770030S, M, L 550030S, M, L	Silicone half mask. Sizes small, medium and large. Elastomeric half mask. Sizes small, medium and large.	Each Each

5500 CONVENIENCE PACKS



5580P100

North has taken the most popular combinations of half mask, cartridges and filters and put them all together in one “convenient package” – the North 5500 Series Convenience Packs. Convenience Packs are ideal as a “visitor” respirator you can hand out to your sub-contractors, plant guests and other occasional users of respirators.

Not available in Canada

FEATURE	FUNCTION	BENEFIT
Half mask, cartridges and/or filters in one package	• Complete and convenient	• No worry that something is missing • You do not need to bundle your own respirator handout
All parts are replaceable Cartridges and filters are replaceable	• Priced as a disposable, but can be reused if you choose	• Flexibility for your worksite and sub-contractors.

Each respirator contains one mask, one set of cartridges and/or filters, and one set of filter holders if a prefilter is included. Refer to pages 14 and 15 for replacement cartridges and filters, and descriptions of these air-purifying elements (cartridges and filters).

PART NO.	DESCRIPTION	PACKAGING
<b>Common applications: Exposure to dust, mists and fumes, including asbestos and lead, and atmospheres that contain oil based aerosols.</b>		
5580P100S, M, L	Half mask respirator complete with P100 filters. Sizes small, medium and large.	Each
<b>Common applications: Most paint and pesticide applications. Exposure to organic vapors plus particulates such as dusts, mists and fumes.</b>		
5501N95S, M, L	Half mask respirator complete with organic vapor cartridges and N95 prefilters. Sizes small, medium and large.	Each
5501R95S, M, L	Half mask respirator complete with organic vapor cartridges and R95 prefilters. Sizes small, medium and large.	Each
<b>Common applications: Exposure to organic vapors. Will not protect against particulates such as dusts, mists and fumes.</b>		
5501S, M, L	Half mask respirator complete with organic vapor cartridges. Sizes small, medium and large.	Each
<b>Common applications: Exposure to organic vapors plus acid gases such as chlorine, sulfur dioxide, and hydrogen fluoride. Will not protect against particulates such as dusts, mists and fumes.</b>		
5503S, M, L	Half mask respirator complete with organic vapor /acid gas cartridges. Sizes small, medium and large.	Each
<b>Common applications: Exposure to vapors and/or gases plus particulates such as dusts, mists and fumes including asbestos and lead, and atmospheres that contain oil based aerosols. The Defender™ also offers protection from formaldehyde.</b>		
5581P100S, M, L	Half mask respirator complete with organic vapor cartridge/P100 filter. Sizes small, medium and large.	Each
5583P100S, M, L	Half mask respirator complete with organic vapor /acid gas cartridges/ P100 filters. Sizes small, medium and large.	Each
55SCP100S, M, L	Half mask respirator complete with Defender™ multi-contaminant cartridges/P100 filters. Sizes small, medium and large.	Each



7600 SERIES FULL FACEPIECE

How can you improve upon the great fit and comfort of the North 7700 half mask? Give it a picture window. The North 7600 full facepiece features the same craftsmanship and design details that made the 7700 half mask the most popular mask on the market. It all adds up to a mask with superior fit, comfort and reliability.

Cartridges and filters sold separately. Refer to pages 14 and 15 for a complete listing.



7600 Series



North Full Facepieces can be adapted to PAPR or Supplied Air.

FEATURE	FUNCTION	BENEFIT
Can be adapted to PAPR or Supplied Air	• Flexible for multiple work environments	• No need to inventory, train workers and fit test them on several respirators
Available with welding adapter	• Can be used as a standard respirator or for welding applications	• Flexibility to meet the various needs of the workplace
Speech diaphragm is standard	• Amplifies workers' conversations	• Critical when directions, warnings and other communication must be heard by others
Dual flange sealing area	• Wider sealing area with added flexibility for difficult to fit faces	• Fewer sizes needed to fit a broader spectrum of facial types
Five strap head harness	• Center strap helps to position and hold the mask	• More secure fit even during strenuous jobs requiring lots of movement
Nose cup is standard	• Less dead air space • Channels exhaled breath	• Increased worker comfort and productivity • Lens does not fog up
Chin cup	• Positions the facepiece correctly	• More secure fit
Latex free	• No latex allergens	• You and your workers can breathe easy
Lens offers 200° field of vision, plus downward view	• Wider viewing area in all directions	• Anti-claustrophobic • Facilitates going up and down ladders
Polycarbonate lens meets ANSI high impact requirements	• No need for additional safety eyewear	• Your workers' eyesight is protected • You stay in compliance

PART NO.	DESCRIPTION	PACKAGING
760008A, S	Silicone full facepiece. Sizes small and medium/large	Each
760008AW, SW	Silicone full facepiece with welding attachment. Sizes small and medium/large	Each

5400 SERIES FULL FACEPIECE

The best value you can find in a full facepiece. North innovation, quality and attention to detail come together in an economically priced mask with many standard features our competition consider optional.

Cartridges and filters sold separately. Refer to pages 14 and 15 for a complete listing.



5400 Series



North Full Facepieces can be adapted to PAPR or Supplied Air.

FEATURE	FUNCTION	BENEFIT
Can be adapted to PAPR or Supplied Air	• Flexible for multiple work environments	• No need to inventory, train workers and fit test them on several respirators
Available with welding adapter	• Can be used as a standard respirator or for welding applications	• Flexibility to meet the various needs of the workplace
Economically priced without sacrificing quality	• Get the features you need at a price you can live with	• A win/win for Purchasing and the Safety departments
All parts replaceable	• Reusable mask at an economical price	• Cost savings, especially with more frequent use
Many replacement parts interchangeable with the 7600 Series mask	• Less inventory	• Saves money and warehouse space
Wide sealing area	• Improved fit	• Fits more facial types
Nose cup – standard	• Less dead air space • Channels exhaled breath	• Increased worker comfort and productivity • Lens does not fog up
Chin cup	• Positions the facepiece correctly	• More secure fit
Latex free	• No latex allergens	• You and your workers can breathe easy
Lens offers 200° field of vision, plus downward view	• Wider viewing area in all directions	• Anti-claustrophobic • Facilitates going up and down ladders
Polycarbonate lens meets ANSI high impact requirements	• No need for additional safety eyewear	• Your workers' eyesight is protected • You stay in compliance with OSHA

PART NO.	DESCRIPTION	PACKAGING
54001, S	Elastomeric full facepiece. Sizes small and medium/large	Each
54001W, SW	Elastomeric full facepiece with welding attachment. Sizes small and medium/large	Each





North offers a complete line of cartridges and filters for the North 5500, 7700, 5400 and 7600 Series facepieces. All cartridges and filters listed below are interchangeable with any of these masks. Filters for Limited Use respirators, canisters for gas masks, and PAPR cartridges are listed in this catalog with those products.

NORTH ESLIFE™ PROGRAM FOR CARTRIDGE CHANGE SCHEDULES

OSHA's Standard for Respiratory Protection, 29 CFR 1910.134, requires Employers to implement a change schedule for all vapor and gas cartridges when there isn't an end-of-service life indicator on the cartridge. This schedule must be site specific and take into consideration worksite humidity, worker breathing rate as well as contaminant concentrations.

The North esLife Program is designed to help you with your cartridge change schedule, providing information on a cartridges life based on your worksite parameters. Visit the North web site [www.northsafety.com](http://www.northsafety.com) to learn more and try the North esLife Program.

PART NO.	DESCRIPTION	PROTECTION FROM	PACKAGING
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GAS AND VAPOR CARTRIDGES

75SC	Defender™ Multi-Purpose	Organic vapors, ammonia, methylamine, formaldehyde and acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide [escape], hydrogen fluoride and chlorine dioxide)	Pair
N75001	Organic Vapor	Organic vapors	Pair
N75002	Acid Gas Cartridge	Acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride and chlorine dioxide) and formaldehyde	Pair
N75003	Organic Vapor & Acid Gas	Organic vapors and acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride and chlorine dioxide)	Pair
N75004	Ammonia & Methylamine	Ammonia and methylamine	Pair
N750052	Mercury Vapor Cartridge with ESLI	Mercury vapor and chlorine with End-of-Service Life Indicator (ESLI) for mercury	Pair

COMBINATION GAS AND VAPOR CARTRIDGES WITH P100 PARTICULATE FILTERS

75SCP100	Defender™ Multi-Purpose with P100	Organic vapors, ammonia, methylamine, formaldehyde and acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide [escape], hydrogen fluoride and chlorine dioxide); and 99.97% filter efficiency for all particulates	Pair
7581P100	Organic Vapor with P100	Organic vapors; and 99.97% filter efficiency for all particulates	Pair
7582P100	Acid Gas with P100	Acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride and chlorine dioxide) and formaldehyde; and 99.97% filter efficiency for all particulates	Pair
7583P100	Organic Vapor & Acid Gas with P100	Organic vapors and acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride and chlorine dioxide); and 99.97% filter efficiency for all particulates	Pair
7584P100	Ammonia & Methylamine with P100	Ammonia and methylamine; and 99.97% filter efficiency for all particulates	Pair
75852P100	Mercury Vapor with ESLI and P100	Mercury vapor and chlorine with End-of-Service Life Indicator (ESLI) for mercury; and 99.97% filter efficiency for all particulates	Pair



PART NO.	DESCRIPTION	PROTECTION FROM	PACKAGING
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PARTICULATE FILTERS

7580P100	P100	99.97% filter efficiency for all particulates	Pair
75FFP100	Pancake: Low profile P100 filter for use under welding helmets	99.97% filter efficiency for all particulates	Pair
75FFP100NL	Pancake with odor relief: Low profile P100 filter for use under welding helmets	99.97% filter efficiency for all particulates; plus relief from odors caused by nuisance levels of organic vapors, acid gases and ozone	Pair
7506N95	N95 Prefilter	95% filter efficiency for non-oil based aerosol particulates	10 per Pack
7506R95	R95 Prefilter	95% filter efficiency for all particulates. Restricted to 8 hours service life if used in atmospheres containing oil-based aerosols	10 per Pack
7506N99	N99 Prefilter	99% filter efficiency for non-oil based aerosol particulates	10 per Pack

PARTICULATE FILTER ASSEMBLIES

7535FFP100	Stack Pack: Pancake with Adapter	99.97% filter efficiency for all particulates Includes one pair of N750035 adapter to attach the Pancake to North cartridges. May not be used with the Defender cartridges.	5 Pair filters & 1 Pair adapter
7531N95	N95 Filter Assembly	95% filter efficiency for non-oil based aerosol particulates Includes 7506N95 prefilters, N750027 filter covers and N750015 filter retainers for use on half mask or full facepiece when cartridges are not used.	1 Pair
7531R95	R95 Filter Assembly	95% filter efficiency for all particulates. Restricted to 8 hours service life if used in atmospheres containing oil-based aerosols Includes 7506R95 prefilters, N750027 filter covers and N750015 filter retainers for use on half mask or full facepiece when cartridges are not used.	1 Pair

FILTER EFFICIENCIES

The National Institute of Occupational Safety and Health (NIOSH) classifies filters in two ways, type and efficiency. Using these classifications there are nine possible filter groups. The most commonly used are N95 as the most economical, and P100 providing the highest possible protection. The classifications are defined on the right.

Type	Efficiency
N Not for use in atmospheres that contain oil based aerosols.	95 95% minimum filter efficiency in removing particulates.
R Restricted to eight hours of service life if used in atmospheres that contain oil based aerosols.	99 99% minimum filter efficiency in removing particulates.
P Oil Proof. May be used without restrictions in atmospheres that contain oil based aerosols.	100 99.97% minimum filter efficiency in removing particulates.

PART NO.	DESCRIPTION	PROTECTION FROM	PACKAGING
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ACCESSORIES

N750035	Pancake Adapter	Allows user to stack the Pancake on a North cartridge, converting the Pancake to a P100 prefilter. May not be used with the Defender.	Each
N750015	Filter Holder	Holds prefilters onto North half and full facepieces. Must be used with N750027 Filter cover.	Each
N750027	Seal Check / Filter Cover	Snaps on top of prefilters to hold them in place on North cartridges or on N750015 filter holder.	Each
N750029	Shower Cap	For use with 7580P100. Deflects moisture during "Decon" shower, and sparks and slag during welding and grinding.	Each





Mouthbit Respirators

7900 SERIES MOUTHBIT RESPIRATORS



7902



7904 shown with mouthpiece cover

North 7900 Series mouthbit respirators offer a quick and economical method to escape non-IDLH emergency situations. Use the respirator as a “visitors escape device” or issue individual respirators to employees as a safety precaution against a potential chemical leak.

Model 7902 acid gas mouthbit is designed for emergency use at pulp and paper mills, water treatment plants, pools and spas, chemical plants and other facilities that may have accidental exposure to chlorine, chlorine dioxide, sulfur dioxide or hydrogen sulfide.

Model 7904 ammonia mouthbit is designed for emergency use where ammonia may be used, such as refrigeration.



79BAG Optional

FEATURE	FUNCTION	BENEFIT
Silicone mouthpiece	<ul style="list-style-type: none"><li>• Softer and more pliable</li><li>• No latex allergens</li></ul>	<ul style="list-style-type: none"><li>• More comfortable to wear for longer periods when the escape route may be several minutes</li><li>• Hypoallergenic</li></ul>
Mouthpiece has a wider opening	<ul style="list-style-type: none"><li>• More natural feel</li></ul>	<ul style="list-style-type: none"><li>• No need to bite down or grip hard to hold the respirator in place</li></ul>
Soft textured mouthpiece	<ul style="list-style-type: none"><li>• Will not slip</li></ul>	<ul style="list-style-type: none"><li>• More secure grip</li></ul>
Mouthpiece is removable	<ul style="list-style-type: none"><li>• Facilitates periodic cleaning of mouthpiece, such as after training or when dispensed to Facility visitors</li></ul>	<ul style="list-style-type: none"><li>• Users feel more comfortable knowing the mouthpiece has been sanitized</li></ul>
Mouthpiece cover removes quickly	<ul style="list-style-type: none"><li>• Mouthpiece stays clean</li><li>• Respirator is ready to use in seconds</li></ul>	<ul style="list-style-type: none"><li>• Improved worker acceptance and willingness to use</li><li>• Increased safety when seconds count</li></ul>
Large, soft and flexible nose pads are held on a balanced spring	<ul style="list-style-type: none"><li>• Stays firmly on the nose without pressure</li><li>• Holds firmly without pinching</li></ul>	<ul style="list-style-type: none"><li>• More secure</li><li>• More comfortable</li></ul>
Wider nose clip	<ul style="list-style-type: none"><li>• Fits a variety of facial types</li></ul>	<ul style="list-style-type: none"><li>• Fits most, if not all of your workers – know everyone is protected</li></ul>
Nylon neck strap	<ul style="list-style-type: none"><li>• Respirator can hang on the neck of the worker</li></ul>	<ul style="list-style-type: none"><li>• Respirator will not be lost if it is accidentally knocked out of the mouth during an emergency escape</li></ul>
Belt Clip	<ul style="list-style-type: none"><li>• Clips on easily to belt, tool kit or onto pants</li></ul>	<ul style="list-style-type: none"><li>• Respirator is with the worker and easily accessible in case of an emergency</li></ul>
Zip lock storage bag	<ul style="list-style-type: none"><li>• Easy to open in an emergency</li><li>• May be resealed after inspection or practice session</li></ul>	<ul style="list-style-type: none"><li>• No hassles when every second counts</li><li>• Use the same respirator for training</li><li>• Enables users to completely inspect their respirators every day</li></ul>
Optional carry bag (79BAG) with Velcro belt loops	<ul style="list-style-type: none"><li>• Added protection during storage and when worn by workers</li></ul>	<ul style="list-style-type: none"><li>• Less chance of damage in rough environments</li></ul>

PART NO.	DESCRIPTION	PACKAGING
7902	Acid gas mouthbit respirator. For protection from atmospheres containing chlorine, hydrogen chloride, hydrogen sulfide, chloride dioxide, sulfur dioxide. Universal size. Includes carry bag (79BAG).	Each
7904	Ammonia mouthbit respirator. For protection from atmospheres containing ammonia. Includes carry bag (79BAG).	Each
79BAG	Nylon carry bag for CFR-1, 7190 and Mouthbit respirators. Includes Velcro closure and belt loops	Each



by Honeywell

Powered Air-Purifying Respirators



Advantages of PAPR

- Workers stay more comfortable
- No hose to limit mobility
- Increased worker protection
- Hood versions do not require fit testing and can be worn with facial hair

Assigned Protection Factors (APF)

	U.S.	Canada
• Half Masks	50	50
• Full facepiece	1000	25
• Loose fitting facepieces	25	25
• Hoods (with a fit factor under 10,000)	25	25
• Hoods (with a fit factor at or above 10,000)	1000	25

Note: All North hoods have an APF of 1000 in U.S. Refer to page 29 for more information.

Some assigned protection factors for Canada will change with the new CSA Standard, Z94.4-2010. APR Full Facepieces (QNFT) will change from 100 to 50, and PAPR & SAR hoods will change from 1,000 to 25.



NORTH COMPACT AIR® PAPR SYSTEMS

North by Honeywell offers two Powered Air-Purifying systems: one for full facepieces, and one for loose fitting covers and hoods. Both blower battery assemblies are belt mounted and are NIOSH approved with a range of cartridges and filters for protection from many hazardous environments. Both featured-packed North systems offer the power and versatility to keep workers comfortable during long, hot jobs. Because blower facilitates flow of air through filters or cartridges, workers are not fighting breathing resistance – yielding less worker fatigue.

**Applications:**  
Hot, dirty environments where mobility is required and supplied air is not an option. Examples: Heavy Manufacturing, Chemical Plants, Refineries, Smelting Operations



**CA101, CA101D includes:** Blower and battery assembly, nylon or decon back pad and belt, straight breathing tube, one breathing tube cover, flow meter, battery charger and hard carry case.  
**CA102, CA102D includes:** Blower and battery assembly, nylon or decon back pad and belt, Y breathing tube, one set of 3 breathing tube covers, flow meter, battery charger and hard carry case.

FEATURE	FUNCTION	BENEFIT
Belt mounted with ergonomically designed back pad	<ul style="list-style-type: none"><li>• Weight is distributed evenly on workers back</li></ul>	<ul style="list-style-type: none"><li>• Can be worn for long stretches without worker fatigue</li><li>• Weight of blower is not straining the worker's neck</li></ul>
Choice of nylon or PVC backpad and belt	<ul style="list-style-type: none"><li>• Nylon backpad is cooler and lightweight</li><li>• PVC is easy to clean – can be worn in an ‘decon’ shower</li><li>• PVC resists sparks</li></ul>	<ul style="list-style-type: none"><li>• More comfortable</li><li>• Facilitates decontamination and cleaning of back pad and belt – ideal for extremely dusty environments or when there is chemical exposure</li><li>• Can be worn when welding or grinding</li></ul>
Blower is in the back – out of the work zone	<ul style="list-style-type: none"><li>• Will not get in worker's way</li><li>• Weight is distributed on the back, not pulling down on the facepiece</li></ul>	<ul style="list-style-type: none"><li>• Workers are not fighting the breathing tube to see what they are doing</li><li>• Workers are more comfortable, less fatigued</li></ul>
Nickel Metal Hydride (NiMH) battery	<ul style="list-style-type: none"><li>• Lighter weight than Cadmium batteries</li><li>• Faster charge – 4 hours or less</li><li>• No memory – battery does not need to be discharged before recharging</li><li>• Batteries will last for 8+ hours</li></ul>	<ul style="list-style-type: none"><li>• With less weight there is less worker fatigue</li><li>• Batteries can be recharged quickly for another shift</li><li>• You can recharge anytime, even if there is life left in the battery</li><li>• Stay on the job, no need to leave to change a battery</li></ul>
Smart charger	<ul style="list-style-type: none"><li>• Trickle Charge mode after the battery is fully charged</li></ul>	<ul style="list-style-type: none"><li>• Batteries can be left to charge overnight or the weekend without fear of overcharging</li></ul>

CONVERT YOUR NORTH HALF MASK OR FULL FACEPIECE TO A PAPR

Breathing tube threads onto facepiece cartridge connectors	Use the same mask for Air-Purifying, PAPR and Supplied Air	<ul style="list-style-type: none"><li>• Allows flexibility to switch from APR to PAPR in seconds</li><li>• No need for adapter or tools</li><li>• No additional fit testing</li><li>• Reduces inventory</li></ul>
Over-the-shoulder ‘Y’ breathing tube design	Located on the worker's back	<ul style="list-style-type: none"><li>• Breathing-tubes are away from the work zone</li><li>• Even weight distribution</li></ul>

FOR TIGHT-FITTING NORTH FACEPIECES: 5400, 5400W, 5500, 7600, 7600W, 7700 SERIES

CA102, CA102D assemblies include: blower and battery assembly, nylon or decon back pad and belt, Y breathing tube, one set of 3 breathing tube covers, flow meter, battery charger and hard carry case.

PART NO.	DESCRIPTION	PACKAGING
CA102	Compact Air Assembly with Standard back pad and nylon belt.	Each
CA102D	Compact Air Assembly with washable Decon back pad and PVC belt (for decontamination)	Each

CA102 and CA102D are NIOSH approved for use with North Facepieces to deliver a minimum of 4 CFM



7600 Series Facepiece

FOR USE WITH ALL PRIMAIR SERIES HEAD COVERS

CA101, CA101D assemblies include: blower and battery assembly, nylon or decon back pad and belt, straight breathing tube, one breathing tube cover, flow meter, battery charger and hard carry case.

PART NO.	DESCRIPTION	PACKAGING
CA101	Compact Air Assembly with Standard back pad and nylon belt.	Each
CA101D	Compact Air Assembly with washable Decon back pad and PVC belt (for decontamination)	Each

CA101 and CA101D are NIOSH approved for use with North Primair Series head covers to deliver a minimum of 6 CFM



Primair Series Head Cover

CARTRIDGES AND FILTERS FOR PAPR

PART NO.	DESCRIPTION	PROTECTION FROM	PACKAGING
GAS AND VAPOR CARTRIDGES			
4001	Organic Vapor	Organic vapor	Box of 3 for each
4003	Organic Vapor and Acid Gas	Organic Vapor, Acid Gas (Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Fluoride, Chlorine Dioxide, Hydrogen Sulfide) and Formaldehyde Cartridge	Box of 3 for each
4004	Ammonia and Methylamine	Ammonia and Methylamine	Box of 3 for each
COMBINATION GAS AND VAPOR CARTRIDGES WITH HEPA FILTERS			
4001HE	Organic Vapor with HEPA	Organic Vapor Cartridge with HEPA (High Efficiency Particulate Air-purifying) filter, (99.97% minimum filter efficiency) for all particulates	Box of 3 for each
4003HE	Organic Vapor and Acid with HEPA	Organic Vapor, Acid Gas (Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Fluoride, Chlorine Dioxide, Hydrogen Sulfide) and Formaldehyde Cartridge with HEPA (High Efficiency Particulate Air-purifying) filter, (99.97% minimum filter efficiency) for all particulates	Box of 3 for each
4004HE	Ammonia and Methylamine with HEPA	Ammonia and Methylamine Cartridge with HEPA (High Efficiency Particulate Air-purifying) filter, (99.97% minimum filter efficiency) for all particulates	Box of 3 for each
HEPA (HIGH EFFICIENCY PARTICULATE AIR-PURIFYING) FILTER			
40HE	HEPA Filter	HEPA (High Efficiency Particulate Air-purifying) filter, 99.97% minimum filter	Box of 3 for each

NORTH PRIMAIR 100 SERIES LOOSE-FITTING HEAD COVERS



North Primair hoods feature comfortable headgear, delivering fresh air in the front to keep workers cooler and reduce fogging. Head covers are available in several styles to meet a variety of needs.

FEATURE	FUNCTION	BENEFIT
PRIMAIR AND PRIMAIR PLUS HEADGEAR		
Headgear holds head covers securely in place	• Follows workers' movements annoying hood movement	• Improved visibility, no blind spots or
Headgear adjustments	• One size to fit most workers, and still adjusts to each worker	• Maximum comfort and fit
Ratchet adjustments	• Quick and easy to put on and take off • More secure fit	• Increased worker acceptance and fit
Manifold directs air to the front of the head cover	• Air is delivered where workers need and want it the most • Air is directed to the lens, not in workers' eyes	• Workers stay cooler and more comfortable • Eliminates lens fogging; eyes do not dry out
Replaceable sweatband	• Wicks away moisture	• Increased worker comfort
Quick lock attachment on breathing tube	• Easy to remove yet held securely in place during use • Will not disconnect accidentally	• Facilitates cleaning and maintenance • Provides workers security knowing airflow will not be interrupted

LOOSE FITTING FACEPIECES		
Ideal for pharmaceutical and other light duty industries. NIOSH approved with an APF of 25.		
Available in three sizes	• Improved fit	• Provides a more secure and comfortable fit
Made from spun bond polypropylene	• Protection from particulates • Lightweight but durable	• Can be used for protection from most particulates
Seals under the chin	• Does not cover the ears • Less bulky than full hoods	• Ideal for workers who must use stethoscopes or other instruments • Increased worker acceptance

PRIMAIR PLUS HOODS		
North Primair Plus is a full hood, available in standard and coated for occasional splash. Use for painting applications and other environments where full head and shoulder coverage is desired. NIOSH approved with an APF of 1,000		
Adjustable bib length	• Workers select the right length for them	• Increased worker acceptance • Fits different applications and worker heights
Available in coated and uncoated spun coated bond polypropylene	• Uncoated for most particulate applications • Coated for protection from occasional splash	• Select the right hood for your job
Peel-away window	• Protects the lens from splatter	• Extends the life of the lens • As workers peel off each layer, they have a fresh, splatter-free view

PART NO.	DESCRIPTION	PACKAGING
PA101S, M, L	Primair 100 headgear with Primair loose fitting head cover. Sizes S, M, L	Each
PA111	Primair 100 headgear with Primair Plus hood	Each
PA121	Primair 100 headgear with Primair Plus hood coated for protection from splash	Each
PA102S, M, L	Replacement Primair loose fitting head cover. Sizes S, M, L	10 per Pack
PA112	Replacement Primair Plus hood	3 per Pack
PA122	Replacement Primair Plus hood coated for protection from splash	3 per Pack

**NORTH HOODS AND OSHA’S APF**  
OSHA lists two Assigned Protection Factors for hoods. Hoods have an APF of 25, unless the manufacturer can demonstrate a fit factor that supports an APF of 1,000. North by Honeywell has performed the required tests on all our full hoods. Refer to page 29 for this test information.

PRIMAIR FM 200 SERIES WITH FIBRE-METAL HARD HAT



PA201P01  
Two Fibre-Metal hard hat styles available: P2N for exceptional durability and crack resistance, E2 for general applications.  
Add a Fibre-Metal faceshield with a full range of window tints including gold-plated for high heat applications.  
Add a Fibre-Metal Tigerhood Futura welding helmet shown above with a high-quality, solar powered ADF lens.


FEATURE	FUNCTION	BENEFIT
Supereight® Suspension system with 8 load bearing points	• Balances and stabilizes the headgear weight over widest possible area	• Maximum comfort • Reduces force in event of an impact
Available with thermoplastic E2 style and fiberglass P2N style hard hats	• E2 styles for general applications • P2N style for exceptional durability and crack resistance	• Select the best hard hat for your application – from general head protection to heavy duty requirements
Quick Lok attachment system	• Connects Fibre-Metal welding helmets and faceshields	• Added face protection for applications such as welding and grinding
Spun bond polypropylene hood with cotton neck seal	• Lightweight and comfortable without sacrificing protection	• Protection from all particulates • Increased worker acceptance
Hood attaches to hard hat with Speedy Loop™ system	• Holds hood in place during use • Easy to take on and off	• Hood moves with worker, will not obstruct vision
Optional Carbtex® flame resistant hood made from Kevlar® and carbon fiber	• Intrinsically flame resistant • Lightweight	• Can be washed repeatedly without loss of FR • Cooler and more comfortable
Replaceable sweatband	• Wicks away moisture	• Increased worker comfort
Quick lock attachment on breathing tube	• Easy to remove yet held securely in place during use – will not disconnect accidentally	• Facilitates cleaning and maintenance • Provides workers security knowing air flow will not be interrupted

PART NO.	DESCRIPTION	PACKAGING
PA201E01	Primair FM 200 E2 style hard hat with hood	Each
PA201P01	Primair FM 200 P2N style hard hat with hood	Each
PA231E01	Primair FM 200 E2 style hard hat with hood and Carbtex FR cover	Each
PA231P01	Primair FM 200 P2N style hard hat with hood and Carbtex FR cover	Each
PA231KIT1	Complete Welding Respirator. Kit includes one PA231E01, one CA101D Blower/Battery Assembly; one 4999BV913SR Fibre-Metal Tigerhood Futura welding helmet with ADF lens; one pack 40HE filters; one pair FMXW25 Fibre-Metal welder's gloves; one pair Fibre-Metal eyewear, clear; and one carry bag	Each
PA202	Replacement Primair FM 200 Series Hood with speedy loop	10 per Pack
PA232	Replacement Primair FM 200 Series Carbtex FR cover	Each




Head Covers with Face Protection


PRIMAIR FM 300 SERIES WITH FIBRE-METAL FACE PROTECTION




by Honeywell




PA301



PA331



Fibre-Metal 3-C attachment system for welding helmets and faceshields



Add a Fibre-Metal faceshield with a full range of window tints including gold-plated for high heat applications.



Add a Fibre-Metal Tigerhood Futura welding helmet shown above with a high-quality, solar powered ADF lens.

The North Primair 300 Series headgear integrates the Fibre-Metal 3-C headgear and connection for welding helmets and faceshields with the Primair 100 Series style headgear. The result is a complete system for welding, grinding and other applications where faceshields, spark guards or welding helmets are required in addition to respiratory protection. Choose from many of the Fibre-Metal welding helmets and faceshields. NIOSH approved with an APF of 1,000.

FEATURE	FUNCTION	BENEFIT
Spun bond polypropylene hood with cotton neck seal	<ul style="list-style-type: none"><li>• Lightweight and comfortable without sacrificing protection</li></ul>	<ul style="list-style-type: none"><li>• Protection from all particulates</li><li>• Increased worker acceptance</li></ul>
Optional Carbtex® flame resistant hood made from Kevlar® and carbon fiber	<ul style="list-style-type: none"><li>• Intrinsically flame resistant</li><li>• Lightweight</li></ul>	<ul style="list-style-type: none"><li>• Can be washed repeatedly without loss of FR</li><li>• Cooler and more comfortable</li></ul>
Fibre-Metal 3-C attachment system for welding helmets and faceshields	<ul style="list-style-type: none"><li>• Connects Fibre-Metal welding helmets and faceshields</li></ul>	<ul style="list-style-type: none"><li>• Added face protection for applications such as welding and grinding</li></ul>
Headgear holds head covers securely in place	<ul style="list-style-type: none"><li>• Follows workers' movements</li></ul>	<ul style="list-style-type: none"><li>• Improved visibility, no blind spots or annoying hood movement</li></ul>
Headgear adjustments	<ul style="list-style-type: none"><li>• One size to fit most workers, and can be individually adjusted by wearer</li></ul>	<ul style="list-style-type: none"><li>• Maximum comfort and fit</li><li>• No need for multiple sizes – reduces inventory</li></ul>
Ratchet Adjustment	<ul style="list-style-type: none"><li>• Quick and easy to put on and take off</li><li>• More secure fit</li></ul>	<ul style="list-style-type: none"><li>• Increased worker acceptance and fit</li></ul>
Manifold directs air to the front of the head cover	<ul style="list-style-type: none"><li>• Air is delivered where workers need and want it the most</li><li>• Air is directed to the lens, not in workers' eyes</li></ul>	<ul style="list-style-type: none"><li>• Workers stay cooler and more comfortable</li><li>• Eliminates lens fogging</li><li>• Eyes do not dry out</li></ul>
Replaceable sweatband	<ul style="list-style-type: none"><li>• Wicks away moisture</li></ul>	<ul style="list-style-type: none"><li>• Increased worker comfort</li></ul>
Quick lock attachment on breathing tube	<ul style="list-style-type: none"><li>• Easy to remove yet held securely in place during use – will not disconnect accidentally</li></ul>	<ul style="list-style-type: none"><li>• Facilitates cleaning and maintenance</li><li>• Provides workers security knowing air flow will not be interrupted</li></ul>

PART NO.	DESCRIPTION	PACKAGING
PA301	Primair FM 300 headgear with hood	Each
PA331	Primair FM 300 headgear with hood and Carbtex FR cover	Each
PA302	Replacement Primair FM 300 Series Hood	10 per Pack
PA332	Replacement Primair FM 300 Series Carbtex FR cover	Each

NORTH

by Honeywell

Supplied Air Respirators



Advantages of Continuous Flow Supplied Air Respirators

- No battery time limit or cartridge service life restrictions
- Minimal operating costs
- Hoods do not require fit testing, can be worn with facial hair

Assigned Protection Factors (APF)	U.S.	Canada
• Half Masks	50	50
• Full Facepieces	1000	25
• Hoods (with fit factor under 10,000)	25	25
• Hoods (with fit factor above 10,000)	1000	25

\* All North hoods have an APF of 1000 in U.S. Refer to page 29 for more information.

Some assigned protection factors for Canada will change with the new CSA Standard, Z94.4-2010. APR Full Facepieces (QNFT) will change from 100 to 50, and PAPR & SAR hoods will change from 1,000 to 25.



CF2007 FOR HALF MASKS AND FULL FACEPIECES

Convert your North half mask or full facepiece to continuous flow with the CF2007. This breathing tube attaches to North facepiece cartridge connectors, eliminating the need for special adapters or tools. NIOSH approved for use with North 5500, 7700, 5400 and 7600 Series including full facepieces with welding front.

Facepieces, hoses and couplers sold separately. Refer to pages 32 and 33 for a complete listing of hoses and couplers, and pages 10 through 13 for facepieces.



FEATURES	FUNCTION	BENEFIT
Threads onto North cartridge connectors	<ul style="list-style-type: none"><li>Adapts to North 5500 &amp; 7700 half masks and 5400 &amp; 7600 full facepieces</li></ul>	<ul style="list-style-type: none"><li>Choose the right facepiece for your work environment and budget</li><li>Provides flexibility for different worksite protection levels</li><li>No additional fit testing</li></ul>
Breathing tube hoses are located on worker's back	<ul style="list-style-type: none"><li>Hoses are out of the way of the work zone</li><li>Even weight distribution</li><li>Hose will not pull down on facepiece</li></ul>	<ul style="list-style-type: none"><li>Will not interfere with tasks at hand</li><li>Less worker fatigue</li><li>More secure fit</li></ul>
Low profile connections	<ul style="list-style-type: none"><li>When used with half mask, fits under welding helmets and faceshields</li></ul>	<ul style="list-style-type: none"><li>Add additional eye and face protection for welding, grinding and other applications</li></ul>
NIOSH approved for use with 5400 and 7600 with welding adapter	<ul style="list-style-type: none"><li>May be used for welding applications</li></ul>	<ul style="list-style-type: none"><li>Provide welders with the increased respiratory protection of a full facepiece</li></ul>
360 degree swivel on facepiece connection	<ul style="list-style-type: none"><li>Allows full movement of breathing tube without loosening the connection</li></ul>	<ul style="list-style-type: none"><li>Extra secure and safe – will not come off even during the most strenuous movements</li></ul>
Soft flexible hoses at top, next to worker's face and neck	<ul style="list-style-type: none"><li>More comfortable</li><li>Moves with worker</li></ul>	<ul style="list-style-type: none"><li>Increased worker acceptance</li><li>Improved productivity, workers are not restricted</li></ul>
Choice of two hose I.D. and three brands of couplers	<ul style="list-style-type: none"><li>Assures breathing air couplers are incompatible with other gases</li><li>1/2" or 3/8" I.D. hoses</li></ul>	<ul style="list-style-type: none"><li>Safer. You stay in compliance with OSHA</li><li>Select the right hose I.D. for your worksite</li></ul>

PART NO.	DESCRIPTION	PACKAGING
CF2007	Breathing tube with threaded connections to convert North facepieces to supplied air. Includes breathing tube and waist belt	Each
CF2401,S	CF2007 breathing tube with 7600 full facepiece. Sizes medium/large and small	Each

7800 SERIES FULL FACEPIECE WITH CARTRIDGE CONNECTORS



Add the backup and piece of mind of air-purifying cartridges to your supplied air respirator. Use the air-purifying mode for entry, exit and emergency escape from the work environment without exposing workers to harmful contaminants. Ideal when workers must walk out to the air source connection, or would need to disconnect from hoses for a fast and safe escape in an emergency. NIOSH approved for use with 7580P100 filters and 7581P100 organic vapor, P100 filter cartridges.

Filters and cartridges, hoses and couplers are sold separately. Refer to pages, 10 and 11 for cartridges and filters, pages 32 and 33 for hoses and couplers.

FEATURES	FUNCTION	BENEFIT
7600 style silicone full facepiece	<ul style="list-style-type: none"><li>All the great features of the 7600</li></ul>	<ul style="list-style-type: none"><li>Increased worker comfort and acceptance</li></ul>
Available with adjustable flow control valve	<ul style="list-style-type: none"><li>Allows each worker to increase or decrease air flow</li></ul>	<ul style="list-style-type: none"><li>Increase flow during stretches of strenuous work</li><li>Decrease flow when extra air is not needed</li></ul>
NIOSH approved with 8404 Welding Conversion Kit	<ul style="list-style-type: none"><li>Facepiece can be converted for welding applications</li></ul>	<ul style="list-style-type: none"><li>Welders get the increased respiratory protection of a full facepiece. Use combination cartridges when organic vapors may be present</li></ul>
Choice of two hose I.D. and three brands of couplers	<ul style="list-style-type: none"><li>Assures breathing air couplers are incompatible with other gases</li><li>1/2" or 3/8" I.D. hoses</li></ul>	<ul style="list-style-type: none"><li>Safer. You stay in compliance with OSHA</li><li>Select the right hose I.D. for your worksite</li></ul>

PART NO.	DESCRIPTION	PACKAGING
78005, S	Full Facepiece with breathing tube and cartridge connectors, fixed flow. Sizes medium/large and small	Each
78006, S	Full Facepiece with breathing tube and cartridge connectors, adjustable flow. Sizes medium/large and small	Each

WHICH I.D. HOSE IS RIGHT FOR YOUR WORKSITE?

North offers hoses in two inside diameters (I.D.), 1/2" and 3/8". 1/2" hoses allow more air to pass through, allowing the use of a lower PSI at the air source. This is best for portable ambient air pumps that will not support higher PSI requirements. 3/8" I.D. hoses are smaller and lighter. This is especially important if you need 100' or more of hose and want to minimize how much weight workers must carry around at the worksite.

1/2" = more air flow  
3/8" = less weight



85300 SERIES HOODS



85301TB

Many workers appreciate the freedom hoods provide, employers appreciate not needing to fit test. Because hoods do not have a facepiece to face seal, you can accommodate workers with facial hair and prescription glasses – plus fit testing is not required. Because hoods are disposable, your clean-up is also easier. Ideal for use in extremely dusty environments, for paint spray operations or other applications where respirators get dirty quickly. See Accessories Section for peel-away window options. NIOSH approved with an APF of 1000.

Hoses and couplers sold separately.  
Refer to pages 32 and 33 for a complete listing.



85301T

FEATURES	FUNCTION	BENEFIT
<strong>GENERAL</strong>		
Headgear with ratchet adjustment	<ul style="list-style-type: none"><li>• Hood moves with worker</li><li>• Ratchet adjustment ensures headgear stays secure without being too tight</li></ul>	<ul style="list-style-type: none"><li>• View is never obstructed, even when turning head left or right</li><li>• More comfortable even after wearing for many hours</li></ul>
Assigned Protection Factor of 1000	<ul style="list-style-type: none"><li>• Highest APF available for non-IDLH environments</li></ul>	<ul style="list-style-type: none"><li>• Workers are protected, even in higher concentrations</li></ul>
Air deflector directs flow over inside of lens	<ul style="list-style-type: none"><li>• Air is delivered to the front where workers need it most</li><li>• Air does not blow directly into worker's eyes</li><li>• Reduces any chance of fogging</li></ul>	<ul style="list-style-type: none"><li>• Cooler and more comfortable</li><li>• Eyes will not dry out</li><li>• Optimum visibility</li></ul>
Optional Vortex Tube	<ul style="list-style-type: none"><li>• Temperature can be adjusted to warm or cool plus or minus 30° F (17° C)</li></ul>	<ul style="list-style-type: none"><li>• Increased comfort and worker productivity</li></ul>
Choice of two hose I.D. and three brands of couplers	<ul style="list-style-type: none"><li>• Assures breathing air couplers are incompatible with other gases</li><li>• 1/2" or 3/8" I.D. hoses</li></ul>	<ul style="list-style-type: none"><li>• Safer. You stay in compliance with OSHA</li><li>• Select the right hose I.D. for your worksite</li></ul>
<strong>DISPOSABLE HOOD, WITHOUT BIB</strong>		
Elastic at neck covered in cotton	<ul style="list-style-type: none"><li>• Soft and comfortable for extended wear</li></ul>	<ul style="list-style-type: none"><li>• Greater worker acceptance</li><li>• Increased productivity</li></ul>
Available coated for intermittent splash	<ul style="list-style-type: none"><li>• Added protection, ideal when full chemical suit is not required</li></ul>	<ul style="list-style-type: none"><li>• Increased safety</li><li>• Lighter and more comfortable than chemical suit</li></ul>
<strong>DISPOSABLE HOOD, WITH BIB</strong>		
Inner and outer bib design	<ul style="list-style-type: none"><li>• Inner bib tucks into clothing</li></ul>	<ul style="list-style-type: none"><li>• Directs air flow inside to keep workers cooler</li><li>• Workers stay cleaner, free of particulates</li></ul>
Outer bib is 12 1/2" (32 cm) long	<ul style="list-style-type: none"><li>• Protects the neck and shoulders</li></ul>	<ul style="list-style-type: none"><li>• Long enough to provide the added protection, not too long to interfere</li></ul>

85300 SERIES HOODS



Hood assembly also includes adjustable headgear, breathing tube and waste belt.



Headgear adjusts for all-day comfort with a quick twist of the ratchet.

PART NO.	DESCRIPTION	PACKAGING
<strong>HOOD ASSEMBLY INCLUDES HOOD, HEADGEAR WITH RATCHET ADJUSTMENT, BREATHING TUBE AND WAIST BELT.</strong>		
85301T	Hood Assembly with cotton neck	Each
85301TB	Hood Assembly with bib	Each
85301S	Coated Hood Assembly with cotton neck	Each
85301SB	Coated Hood Assembly with bib	Each
<strong>REPLACEMENT HOODS</strong>		
85302TA	Hood with cotton neck seal	10 per package
85302TBA	Hood with bib	10 per package
85302SA	Coated Hood with cotton neck seal	10 per package
85302SBA	Coated Hood with bib	10 per package

VORTEX TUBE FOR USE WITH 85300 SERIES



88600HV

The vortex tube provides greater comfort to the worker by cooling or warming the breathing air. It is color coded and simple to use. Air temperature can be adjusted to warm or cool the air by plus or minus 30°F. The vortex tube comes pre-assembled with Hansen (HV), Schrader (SV) or Snap-Tite (STV) couplers. For use with 85300 Hoods for either heating or cooling.

PART NO.	DESCRIPTION	PACKAGING
88600	Vortex Tube for 3/8" I.D. hose - Add suffix to specify Hansen (HV), Schrader (SV), or Snap-Tite (STV) Couplers	Each
88800	Vortex Tube for 1/2" I.D. hose - Add suffix to specify Hansen (HV), Schrader (SV), or Snap-Tite (STV) Couplers	Each

NORTH AMBIENT AIR PUMPS

North ambient air pumps meet continuous flow applications for up to three workers. Pumps are available individually or as part of a complete package.

Pumps and pump kits are not available in the United States or Mexico



FEATURES	FUNCTION	BENEFIT
Lightweight	• Portable	• Flexibility to be used at multiple sites, or stored when not in use
Uses standard electrical outlet	• No special wiring required	• Ready to plug in and use immediately • Can be used at multiple worksites without concern about compatibility
Available as a complete supplied air system	• Includes pump, facepiece or hood, breathing tube, hoses and couplers • Correct size pump for the respirator configuration	• Assurance you have everything needed for an airline systems • Know that workers are properly protected with the right air flow

USE OF HOSE LENGTHS AND I.D. WITH AMBIENT AIR PUMPS

North offers 25' hose in addition to the 50' and 100' hose lengths noted above. Use of the shorter hose length is not recommended as it will result in significantly warmer air delivered to the facepiece or hood. North offers 3/8" I.D. hoses in addition to the 1/2 I.D. noted above, however use of smaller I.D. hoses will result in less air flow, and the minimum requirement of 4 or 6 CFM may not be delivered to the facepiece or hood.

North facepieces and hoods are NIOSH approved in these additional configurations and you may wish to consider these alternatives for special applications or when using another type air supply . Refer to page 33 for a complete listing of hoses.

PART NO.	HORSE POWER	WEIGHT	MAX CFM	# OF PEOPLE	RECOMMEND HOSES WITH HANSEN COUPLERS
86600	1/4 H.P.	33 lbs (15 kg)	5	1	50' 1/2" I.D., 888050H
86610	3/4 H.P.	55 lbs (25 kg)	10	2	50' 1/2" I.D., 888050H 100' 1/2" I.D., 888100H
86630	1 1/2 H.P.	110 lbs (50 kg)	20	3	50' 1/2" I.D., 888050H 100' 1/2" I.D., 888100H

PART NO.	DESCRIPTION	PACKAGING
AMBIENT AIR PUMP		
86600	1/4 H.P. Ambient Air Pump	Each
86610	3/4 H.P. Ambient Air Pump	Each
86630	1 1/2 H.P. Ambient Air Pump	Each
Complete Pump Kit. Contains (1) pump, (1) facepiece or hood, (1) breathing tube, (1) 50' hose and (1) set Hansen couplers for connection from breathing tube to hose		
APPA	One person Pump Kit, 3/4 H.P. pump, 54001 Full Facepiece and CF2007 breathing tube. Facepiece size medium/large	Each
APPB	One person Pump Kit, 3/4 H.P. pump, 85301T Hood, no bib	Each
APPC	One person Pump Kit, 3/4 H.P. pump, 7700 Half Mask and CF2007 breathing tube. Half Mask size medium	Each
APPD	One person Pump Kit, 1/4 H.P. pump, 54001 Full Facepiece and CF2007 breathing tube. Facepiece size medium/large	Each
APPE	One person Pump Kit, 1/4 H.P. pump, 7700 Half Mask and CF2007 breathing tube. Half Mask size medium	Each

The Occupational Safety and Health Administration (OSHA) published new Assigned Protection Factors (APF) for all respirators in September, 2006 as a revised 29 CFR 1910.134. The new APF Table assigns two possible protection factors for supplied air and powered air-purifying hoods. All hoods now have an APF of 25 unless conditions outlined in footnote 4 from OSHA's Assigned Protection Factor Table are met. The Canadian Safety Administration is in the process of adopting the OSHA APF Table, with CSA Standard Z94.4-2010 due to be published in June, 2010.

FOOTNOTE FROM OSHA TABLE ON ASSIGNED PROTECTION FACTORS

The employer must have evidence provided by the respirator manufacturer that testing of these respirators demonstrates performance at a level of protection of 1,000 or greater to receive an APF of 1,000. This level of performance can best be demonstrated by performing a WPF\* or SWPF study or equivalent testing. Absent such testing, all other PAPRs and SARs with helmets/hoods are to be treated as loose-fitting facepiece respirators, and receive an APF of 25.

WPF: Workplace Protection Factor  
SWPF: Simulated Workplace Protection Factor

RESULTS

A minimum fit factor of 10,000 is required for the higher APF of 1,000

Primair Plus, All 10 subjects achieved fit factors in excess of 50,000  
85300 Series, non-bib All 10 subjects achieved fit factors in excess of 70,000  
85300 Series, with bib Lawrence Livermore Lab tests achieved fit factors averaging above 50,000

CONCLUSION

North by Honeywell has demonstrated that the North 85300 Series supplied air hoods, both with and without bib, and the Primair Plus PAPR hood have achieved the protection factors required for an OSHA APF of 1,000.

SERIES	PART NO.	DESCRIPTION	SWPF RESULTS
TESTED BY NORTH			
Primair Plus Series For Compact Air PAPR	PA111 PA112 PA121 PA122	Hood Assembly with Bib Replacement Hood with Bib Coated Hood Assembly with Bib Replacement Coated Hood with Bib	>1,000
Primair FM 200 Series For Compact Air PAPR	PA201E01 PA201P01 PA231E01 PA231P01 PA202	Hood Assembly with E2 Hard Hat Hood Assembly with P2N Hard Hat Hood Assembly with Carbtex, E2 Hard Hat Hood Assembly with Carbtex, P2N hard Hat Replacement Hoods to Primair FM 200 Series	>1,000
Primair FM 300 Series For Compact Air PAPR	PA301 PA331 PA302	Hood Assembly Hood Assembly with Carbtex Replacement Hoods for Primair FM 300 Series	>1,000
85300 Series	85301T 85302TA 85301S 85302SA	Hood Assembly with Cotton Neck Replacement Hood with Cotton Neck Coated Hood Assembly with Cotton Neck Replacement Coated Hood with Cotton Neck	>1,000
TESTED BY LIVERMORE LABS DURING ORIGINAL RESEARCH PROJECT			
85300 Series	85301TB 85302TBA 85301SB 85302SBA	Hood Assembly with Bib Replacement Hood with Bib Coated Hood Assembly with Bib Replacement Coated Hood with Bib	>1,000



85400 AND 85500 SERIES PDAR



The North 85400 and 85500 Series PDAR respirators feature North's popular silicone full facepiece with dual flange sealing area and superior optics. Models with escape cylinders feature slim 5 minute bottles. Use only one for 5 minutes of escape, or two bottles for a total of ten minutes of escape. Both series are NIOSH approved, and the 85500 may also be used in IDLH environments.

Hoses and couplers are sold separately. Refer to page 32 and 33 for a complete listing.

FEATURES	FUNCTION	BENEFIT
Available without escape, with 5 minute or 10 minute escape	• Select the right PDAR for your work environment	• 85400 without escape to meet your budget • 85500 with escape when protection in IDLH environments is required
85500 can accommodate one or two 5 minute cylinders	• Can be converted to 5 or 10 minute units	• Versatility. Use 5 minutes when weight is the critical factor, 10 minutes when you need the extra escape time
"Leap Frog" capability	• Allows user to connect to second air source before disconnecting to first source	• No interruption in air supply • Allows workers to move more then the 300' max. allowed by OSHA
Ambidextrous	• Cylinders can be worn on left or right side	• Cylinders do not interfere with left handed workers
Escape cylinders can be taken off the belt, without interruption of air supply to facepiece	• Allows cylinders to be carried or dropped between the legs for a low profile	• Workers can safely enter or escape from a confined space or other constricted entrance without loss of air

PART NO.	DESCRIPTION	PACKAGING
85401, S	PDAR without escape cylinders, no escape cylinder option. Sizes medium/large and small	Each
85501, S	PDAR without escape cylinders, with option to add escape cylinders. Sizes medium/large and small	Each
85505, S	PDAR with one 5 minute escape bottle. Sizes medium/large and small	Each
85510, S	PDAR with two 5 minute escape bottles for total 10 minute escape. Sizes medium/large and small	Each
85525	5 minute escape bottle for 85501, 85505 and 85510	Each

85700 SERIES COMBINATION PDAR AND AIR-PURIFYING



The 85785 PDAR incorporates cartridge connectors for P100 filters so it can be used for entry, exit and escape from non-IDLH environments. This respirator is ideal where there are high particulates and workers need to travel to access the supplied air source. NIOSH approved for use with 7580P00 filters.

Cartridges, hoses and couplers are sold separately. Refer to page 11 for information on filters, and pages 32 and 33 for a complete listing of hoses and couplers.

FEATURES	FUNCTION	BENEFIT
Silicone facepiece	• All the features of the popular 7600 series full facepiece	• Increased worker comfort and acceptance
Cartridge Connectors	• Use 7580P100 for entry, exit and emergency escape	• Allows PDAR to be used when workers need to walk distance to air supply

PART NO.	DESCRIPTION	PACKAGING
85785, S	PDAR with cartridge connectors. Sizes medium/large and small	Each

COMPRESSOR FOR PRESSURE DEMAND AIRLINE



North offers this compact compressor for use in confined space or in other IDLH environments. This portable compressor will connect two workers using pressure demand respirators equipped with 5 or 10 minutes emergency egress. Warning alarm of 84 db at 100 feet alerts workers of low pressure or power failure. The compressor will supply up to 100 psi.

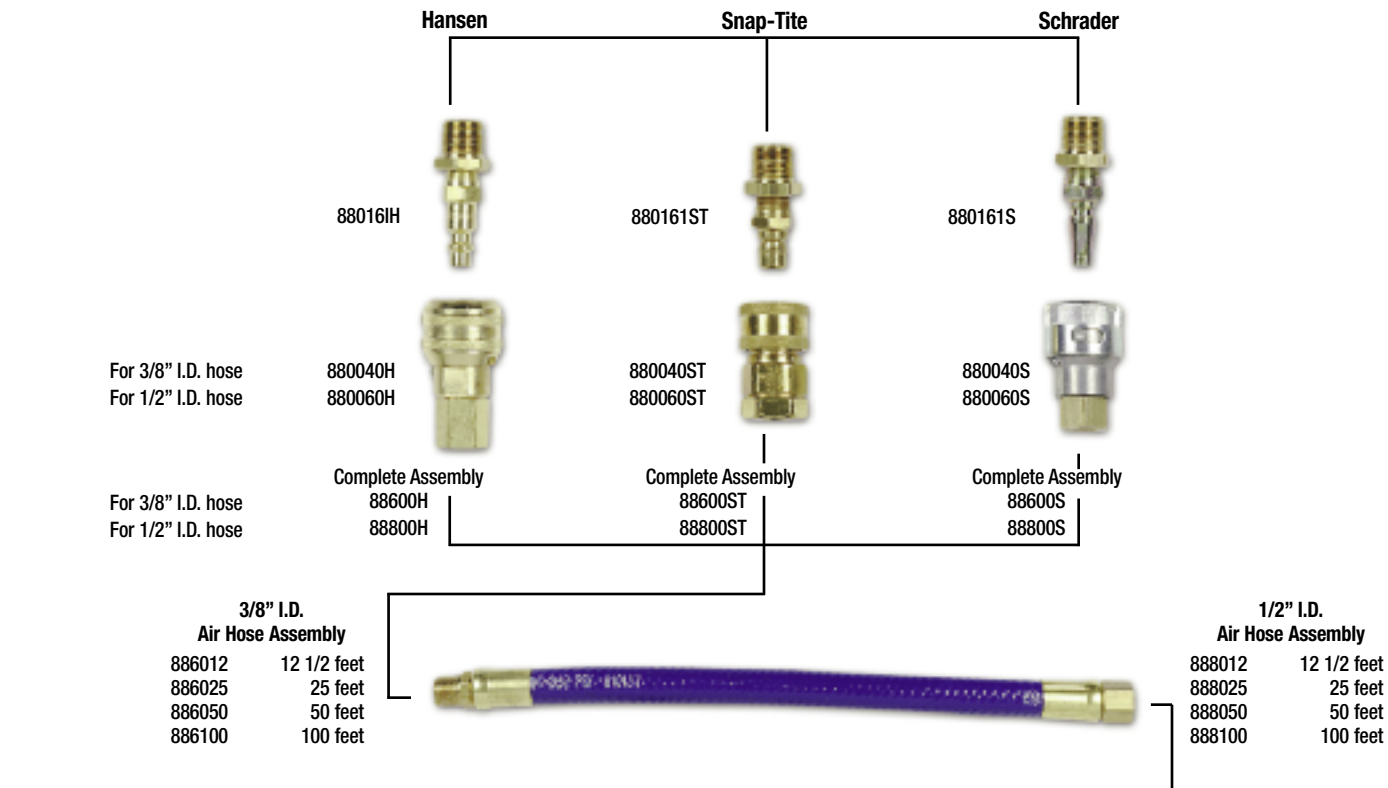
Not available in the United States or Mexico

FEATURES	FUNCTION	BENEFIT
Compact	• Can be transported	• Can be used at remote locations
Compressed air system	• Supplies up to 100 psi	• Use with PDAR
Warning alarm	• Sounds at 84 dB from 100 feet away	• Alerts workers of low pressure or a power failure

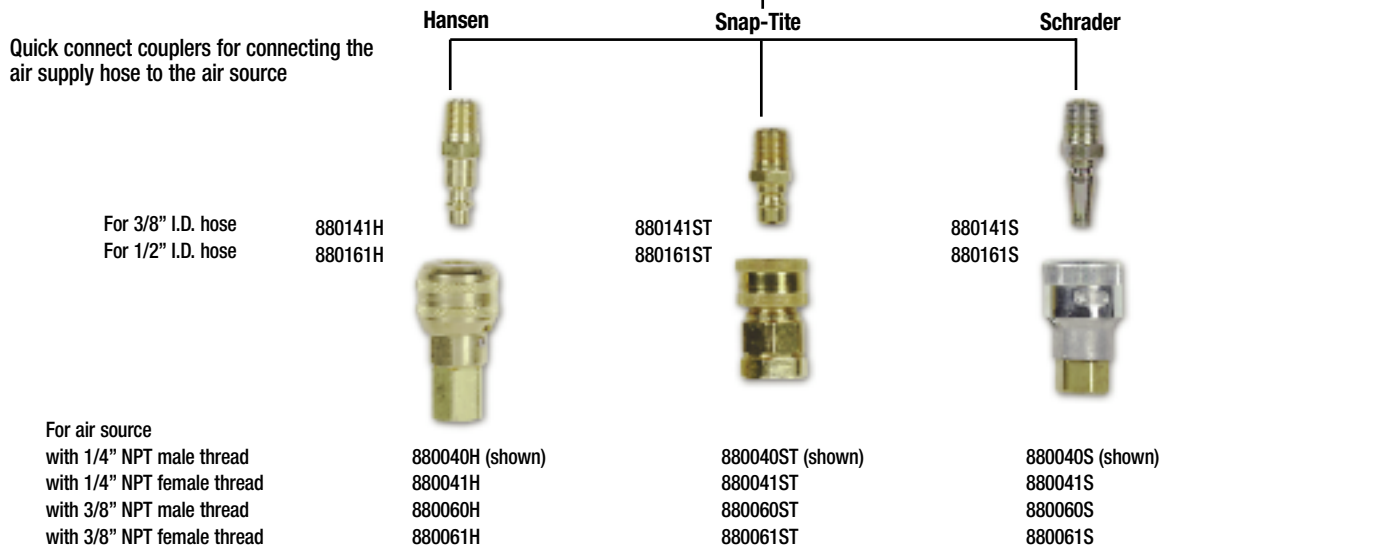
PART NO.	DESCRIPTION	PACKAGING
86620	Compressor	Each

AIRLINE HOSES & QUICK CONNECT COUPLERS

Quick connect couplers for connecting the air supply hose to hood or facepiece



Quick connect couplers for connecting the air supply hose to the air source



Note: \* Components above dashed line are required for NIOSH Approved Respirator  
\* Components below line are optional  
\* 3/8" I.D. hoses have 1/4" NPT thread and 1/2" hoses have 3/8" NPT thread.  
Warning: \* OSHA requires that couplers not be interchanged with any couplers used for non-breathing air systems.  
\* Use of couplers between hose lengths voids NIOSH approval  
Reference: OSHA Safety and Health Standard for Respiratory Protection 29CFR1910.134

North hoses are available for both 3/8" I.D. and 1/2" I.D. in 12 1/2', 25', 50', and 100' lengths. North offers Hansen, Schrader and Snap-Tite Quick Connect Couplers for connecting the hose to the facepiece or breathing hood, and the air source.

Warning: If more than one hose is required, join the hoses together. Do not use couplers between hose lengths. Only one 12 1/2 ft. or 25 ft. length of hose should be used in combination with any hose length to a maximum of 300 ft. OSHA requires that couplers not be interchangeable with any couplers used for non-breathing air or gas systems.

PART NO.	DESCRIPTION
AIR SUPPLY HOSES	
886012	12 1/2 ft. Air Hose, 3/8" I.D.
886025	25 ft. Air Hose, 3/8" I.D.
886050	50 ft. Air Hose, 3/8" I.D.
886100	100 ft. Air Hose, 3/8" I.D.
888012	12 1/2 ft. Air Hose, 1/2" I.D.
888025	25 ft. Air Hose, 1/2" I.D.
888050	50 ft. Air Hose, 1/2" I.D.
888100	100 ft. Air Hose, 1/2" I.D.

PART NO.	DESCRIPTION	HANSEN	SNAP-TITE	SCHRADER
QUICK CONNECT COUPLERS FOR CONNECTING AIR SUPPLY HOSE TO HOOD OR FACEPIECE				
Male plug with bushing for 3/8" NPT thread		880161H	880161ST	880161S
Female coupler for 3/8" I.D. Hose		880040H	880040ST	880040S
Female coupler for 1/2" I.D. Hose		880060H	880060ST	880060S
Coupler assembly for 3/8" I.D. Hose		88600H	88600ST	88600S
Coupler assembly for 1/2" I.D. Hose		88800H	88800ST	88800S

QUICK CONNECT COUPLERS FOR CONNECTING AIR SUPPLY HOSE TO AIR SOURCE				
Male plug, for connecting to 3/8" I.D. Hose		880141H	880141ST	880141S
Male plug with bushing, for connecting to 1/2" I.D. Hose		880161H	880161ST	880161S
To attach coupler to air source				
Female coupler for air source with 1/4" NPT male thread		880040H	880040ST	880040S
Female coupler for air source with 1/4" NPT female thread		880041H	880041ST	880041S
Female coupler for air source with 3/8" NPT male thread		880060H	880060ST	880060S
Female coupler for air source with 3/8" NPT female thread		880061H	880061ST	880061S

HOSE ASSEMBLIES TO COMBINE 3/8" I.D. HOSE WITH COUPLER ASSEMBLY FOR CONNECTING THE AIR SUPPLY HOSE TO HOOD OR FACEPIECE				
12 1/2 ft. Air Hose, 3/8" I.D.		886012H	886012ST	886012S
25 ft. Air Hose, 3/8" I.D.		886025H	886012ST	886012S
50 ft. Air Hose, 3/8" I.D.		886050H	886050ST	886050S
100 ft. Air Hose, 3/8" I.D.		886100H	886100ST	886100S



AIR SUPPLY

Make sure that the air supply hose is connected to a source of air meeting the most recent requirements for Grade D gaseous air as described in the ANSI/CGA 7.1 *Commodity Specification for Air* and containing not less than 19.5% oxygen by volume at sea level.

CONTINUOUS FLOW AIRLINE PRESSURE REQUIREMENTS

CF2000 SERIES AIRLINE RESPIRATOR

HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*	HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*
For <b>886000 Series</b> (3/8" I.D.) air hose and quick-connect coupler assemblies.		For <b>888000 Series</b> (1/2" I.D.) air hose and quick-connect coupler assemblies.	
12½ – 25	7 – 19	12½ – 25	7 – 19
50 – 75	9 – 23	50 – 75	8 – 21
100 – 150	12 – 28	100 – 150	9 – 22
175 – 300	17 – 35	175 – 300	10 – 25

85300 SERIES – CONTINUOUS FLOW AIRLINE HOOD RESPIRATOR

HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*	HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*
For <b>886000 Series</b> (3/8" I.D.) air hose and quick-connect coupler assemblies.		For <b>888000 Series</b> (1/2" I.D.) air hose and quick-connect coupler assemblies.	
12½ – 25	9 – 20	12½ – 75	9 – 16
50 – 75	13 – 26	100 – 175	12 – 25
100 – 125	16 – 35	200 – 225	14 – 30
150 – 175	20 – 41	250 – 300	16 – 33
200 – 225	23 – 47		
250 – 300	26 – 53		

85300 SERIES – CONTINUOUS FLOW AIRLINE HOOD RESPIRATOR WITH VORTEX

HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*	HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*
For <b>886000 Series</b> (3/8" I.D.) air hose and quick-connect coupler assemblies.		For <b>888000 Series</b> (1/2" I.D.) air hose and quick-connect coupler assemblies.	
12½ – 25	54 – 64	12½ – 75	56 – 64
50 – 75	59 – 68	100 – 175	60 – 68
100 – 125	64 – 73	200 – 225	62 – 72
150 – 175	69 – 78	250 – 300	64 – 74
200 – 225	73 – 82		
250 – 300	78 – 87		

78005 OR 78005S FACEPIECE WITHOUT FLOW CONTROL VALVE COMBINATION AIRLINE AND AIR-PURIFYING RESPIRATORS

HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*	HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*
For <b>886000 Series</b> (3/8" I.D.) air hose and quick-connect coupler assemblies.		For <b>888000 Series</b> (1/2" I.D.) air hose and quick-connect coupler assemblies.	
12½ – 50	12 – 35	12½ – 50	11 – 50
75 – 125	14 – 36	75 – 150	12 – 55
150 – 225	17 – 45	175 – 300	17 – 60
250 – 300	20 – 50		

78006 OR 78006S FACEPIECE WITH FLOW CONTROL VALVE COMBINATION AIRLINE AND AIR-PURIFYING RESPIRATORS

HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*	HOSE LENGTH (feet)	AIR PRESSURE RANGE (psig)*
For <b>886000 Series</b> (3/8" I.D.) air hose and quick-connect coupler assemblies.		For <b>888000 Series</b> (1/2" I.D.) air hose and quick-connect coupler assemblies.	
12½ – 50	14 – 38	12½ – 50	13 – 35
75 – 150	18 – 46	75 – 150	15 – 39
175 – 300	20 – 53	175 – 300	17 – 49

\* Add at least 1 and no more than 5 psig to any pressure to compensate for the pressure drop created when using a quick-connect coupler at the air source.  
Note: For further details refer to the Operating and Maintenance Instruction Manual for each specific product.

PRESSURE DEMAND AIRLINE PRESSURE REQUIREMENTS

Respirator	Supply pressure required in order to achieve the airflow necessary to properly use this respirator
<b>85400A Series</b> – Pressure Demand Airline Respirator.....	The supply pressure must be set between 70 and 90 psig.
<b>85500A Series</b> – Pressure Demand Airline Respirator.....	The supply pressure must be set between 70 and 90 psig.
<b>85700 Series</b> – Combination Pressure Demand Airline and Air-Purifying Full Facepiece Respirator .....	The supply pressure must be set between 78 and 80 psig.



by Honeywell



Advantages of Self Contained Breathing Apparatus

- Highest protection available
- May be used in atmospheres Immediately Dangerous to Life and Health (IDLH)
- May be used when concentrations or contaminants are unknown
- No hoses to limit mobility

Assigned Protection Factors (APF)

	U.S.	Canada
• SCBA	10,000	See note on page 36
• EEBA	APF does not apply to escape respirators	

Some assigned protection factors for Canada will change with the new CSA Standard, Z94.4-2010. APR Full Facepieces (QNFT) will change from 100 to 50, and PAPR & SAR hoods will change from 1,000 to 25.



NORTH FRONTIER® SELF-CONTAINED BREATHING APPARATUS



Frontier SCBA 912632FB

This worker friendly SCBA has all the features you need to get the job done. Easy to train and easy to use, the North Frontier is specifically designed for industrial environments. It is available with tight fitting facepieces or hoods, in a choice of materials. All four styles provide the same high level of protection with an OSHA Assigned Protection Factor APF of 10,000.

**Select the Frontier version that meets your workplace needs.**  
Economical models to fit your budget – ideal for occasional SCBA usage, and to help you stay in compliance with OSHA requirements for confined space. Standard models when you demand the most from your SCBA – the right SCBA when you need a workhorse that will deliver features and comfort all day, every day.

**Smallest Demand Valve on the Market**  
Crawling into tight confined spaces just got easier. This featherweight demand valve is the smallest, most compact demand valve on the market, yet heavyweight on performance.

ASSIGNED PROTECTION FACTOR FOR SCBA IN CANADA

The CSA Standard states:  
“Pressure Demand SCBA are currently regarded as providing the highest degree of protection. Limited simulated workplace studies have concluded that all users may not be able to achieve assigned protection factors of 10,000. Therefore, based upon this limited data, a definitive APF could not be assigned for pressure demand SCBA. When potential hazardous concentrations can be estimated, an APF no greater than 10,000 should be used.”



Silicone facepiece Elastomeric facepiece



Polyurethane hood PVC hood



CDV with First Breath



Chest mounted gauge and whistle



Harness assembly

Pressure reducer



FEATURES	BENEFITS
<b>Facepiece Options</b>	
<b>Choice of Silicone or Elastomeric</b>	
Silicone seal with dual flange	• Soft and comfortable for extended wear
Elastomeric seal	• Economical; secure fit in extreme heat
Hard coated polycarbonate lens	• High impact eye protection, scratch resistant
200 degree wide field of vision	• Safer use; anti-claustrophobic
Lightweight	• Comfortable, reduces fatigue
2 overlapping sizes	• Reduces inventory
Oral/nasal cup standard	• Limits re-breathing to reduce user fatigue
Four point headstrap	• Keeps facepiece secure without interfering with other safety helmets
<b>Hood Options</b>	
<b>Choice of PVC or Polyurethane</b>	
Clear PVC hood with high chemical resistance	• Anti-claustrophobic; emergency personnel can quickly identify wearers
Blue polyurethane hood is cold-resistant	• Use in cold environments or where refrigeration or coolants may be present
Quick and easy to put on	• Fast donning during emergencies when speed counts; reduces training requirements
Use with prescription eyewear	• No special optical inserts needed
2 overlapping sizes	• Comfortably fits most adults; reduces inventory
<b>Compact Demand Valve</b>	
Smallest demand valve on the market	• Fitting into tight spots is no problem
Lightweight	• Will not pull down on facepiece
Side-mounted	• Will not interfere with line of vision
Bypass valve with adjustable flow	• Provides as much, or as little extra air as needed in emergency
<b>Pressure Gauge &amp; Alarm</b>	
Chest-mounted Pressure Gauge	• Easy access for quick and easy check
Waterproof with luminous dial	• Works in all environments, including Decon; Easy to read in low light
Simple, chest-mounted whistle air alarm	• Easy to hear in noisy environments (min 90 dB)
<b>Lightweight Harness Assembly</b>	
Composite backplate, rugged, lightweight, ergonomic design	• Holds up to harsh environments; comfortable during extended use
Nylon harness	• High chemical resistance; economical
Kevlar harness optional	• Superior abrasion and cut resistance
Shoulder pads with velcro attachment	• Comfortable, even weight distribution; removes for cleaning
<b>First Stage Reducer</b>	
Simple piston design	• Less complicated, less moving parts
No adjustments required	• No guessing or worry about getting the right setting
Automatic, self-seating pressure relief valve	• Protects downstream low pressure components





Economy Frontier  
SCBA 915200

ECONOMY FRONTIER® SELF-CONTAINED BREATHING APPARATUS

**Frontier economy models:** includes facepiece or hood, cylinder and nylon harness assembly and Compact Demand Valve with adjustable flow by-pass  
**30 minute aluminum cylinder, low pressure (2216 psi)**

913200	93000 Series elastomeric facepiece, small or medium/large. Add S for small	Each
915200	95000 Series PVC hood. Small/medium or large/xl. Add S for S/M hood	Each

STANDARD FRONTIER® SELF-CONTAINED BREATHING APPARATUS

**Frontier standard models:** includes facepiece or hood, cylinder and nylon harness assembly, shoulder pads, airline adapter, Compact Demand Valve with First Breath, adjustable flow by-pass and quick connect, and molded carrying case.

PART NO.	DESCRIPTION	PACKAGING
<b>30 minute hoop wrapped cylinder, low pressure (2216 psi)</b>		
912332FB	92000 Series silicone facepiece, small or medium/large. Add S for small	Each
913332FB	93000 Series elastomeric facepiece, small or medium/large. Add S for small	Each
914332FB	94000 Series polyurethane hood. Small/medium or large/xl. Add S for S/M hood	Each
915332FB	95000 Series PVC hood. Small/medium or large/xl. Add S for S/M hood	Each
<b>30 minute carbon cylinder, high pressure (4500 psi)</b>		
912632FB	92000 Series silicone facepiece, small or medium/large. Add S for small	Each
913632FB	93000 Series elastomeric facepiece, small or medium/large. Add S for small	Each
914632FB	94000 Series polyurethane hood. Small/medium or large/xl. Add S for S/M hood	Each
915632FB	95000 Series PVC hood. Small/medium or large/xl. Add S for S/M hood	Each
<b>60 minute carbon cylinder, high pressure (4500 psi)</b>		
912132FB	92000 Series silicone facepiece, small or medium/large. Add S for small	Each
913132FB	93000 Series elastomeric facepiece, small or medium/large. Add S for small	Each
914132FB	94000 Series polyurethane hood. Small/medium or large/xl. Add S for S/M hood	Each
915132FB	95000 Series PVC hood. Small/medium or large/xl. Add S for S/M hood	Each

AIRLINE HOSES AND QUICK CONNECT COUPLERS



910301LP  
30 minute aluminum  
low pressure (2216 psi)



910302LP  
30 minute hoop wrapped  
low pressure (2216 psi)



910303HP  
30 minute carbon  
high pressure (4500 psi)



910603HP  
60 minute carbon  
high pressure (4500 psi)

**Turn your SCBA into a Pressure Demand Airline with Escape**  
Do you need to work for long hours? Do you need more than 10 minutes to escape in an emergency? The solution is the North Frontier with an airline adapter. Quickly and easily snap on the hose to the male quick connect and now you have air supplied from your remote source. This feature is standard with all Frontier SCBA except the economy models.



Quick connect airline adapter

PART NO.	DESCRIPTION	PACKAGING
<b>Replacement Cylinders</b>		
910301LP	30 minute aluminum, low pressure (2216 psi)	Each
910302LP	30 minute hoop wrapped, low pressure (2216 psi)	Each
910303HP	30 minute carbon, high pressure (4500 psi)	Each
910603HP	60 minute carbon, high pressure (4500 psi)	Each
<b>Air Supply Hoses</b>		
900006FB	6 foot air hose, 1/4" I.D., with Foster brass male and female coupler	Each
900025FB	25 foot air hose, 1/4" I.D., with Foster brass male and female coupler	Each
900050FB	50 foot air hose, 1/4" I.D., with Foster brass male and female coupler	Each
900100FB	100 foot air hose, 1/4" I.D., with Foster brass male and female coupler	Each

All SCBA and cylinders requested to ship overnight from North must be shipped without air.



# Emergency Escape Breathing Apparatus

## NORTH 845 AND 850 EEBA



During an emergency you need an escape respirator that is quick and easy to put on, simple to use, and reliable. The answer is the North 845 and 850 EEBA. These self contained units supply a continuous flow of 5 or 10 minutes of air, allowing workers to safely exit from a contaminated area.

FEATURE	FUNCTION	BENEFIT
Transparent Polyurethane Hood	<ul style="list-style-type: none"><li>• Anti-claustrophobic</li><li>• Complete visibility - 360°</li><li>• More pliable in cold weather</li></ul>	<ul style="list-style-type: none"><li>• Workers not use to respirators feel more comfortable</li><li>• Safer, no blind spots to obstruct vision. Rescue personnel have full view of worker</li><li>• Can be used in coldest environments</li></ul>
Full flow of air at a quarter turn	<ul style="list-style-type: none"><li>• Workers receive air flow as quickly as possible</li></ul>	<ul style="list-style-type: none"><li>• Minimizes exposure to contaminants</li><li>• Helps alleviate anxiety during an emergency</li></ul>
Air deflector	<ul style="list-style-type: none"><li>• Directs air to front of hood, away from worker's eyes</li></ul>	<ul style="list-style-type: none"><li>• More comfortable, eyes will not dry out</li><li>• Eliminates any possible fogging</li></ul>
Gauge not hidden inside bag	<ul style="list-style-type: none"><li>• Always visible for inspection</li></ul>	<ul style="list-style-type: none"><li>• Easy access to assure the EEBA is always filled and ready for use</li></ul>
Pictogram Instructions on Carrying Bag	<ul style="list-style-type: none"><li>• Understood in any language</li><li>• Can be read and followed quickly</li></ul>	<ul style="list-style-type: none"><li>• No need to translate or provide special training</li><li>• Saves precious seconds during an emergency</li></ul>
High visibility Carrying Bag <ul style="list-style-type: none"><li>• Yellow: 5 minute</li><li>• Orange: 10 minute</li></ul>	<ul style="list-style-type: none"><li>• Easy to see, even if area is obscured by fumes</li></ul>	<ul style="list-style-type: none"><li>• Crew members can locate their EEBA's quickly, even during the confusion immediately after an incident</li></ul>
Adjustable straps on Carrying Bag	<ul style="list-style-type: none"><li>• Can be worn around waist or slung over the shoulders</li></ul>	<ul style="list-style-type: none"><li>• Crew members can strap their EEBA on to keep at the ready, or grab and go at the last minute</li></ul>
Nylon Carrying bag with Velcro cover for hood	<ul style="list-style-type: none"><li>• Easy to clean and maintain</li><li>• Velcro cover protects hood, but easy to open in an emergency</li></ul>	<ul style="list-style-type: none"><li>• Protection for EEBA when not in use</li><li>• Easy and quick access in an emergency</li></ul>
42 lpm of breathing air	<ul style="list-style-type: none"><li>• Higher flow rate than many units so worker is less likely to over breathe</li></ul>	<ul style="list-style-type: none"><li>• Safer and more comfortable</li></ul>
Aluminum Cylinder	<ul style="list-style-type: none"><li>• 5 year hydrostatic test versus 3 years for composite cylinders</li></ul>	<ul style="list-style-type: none"><li>• Saves time, money and hassle of removing cylinders from service every 3 years</li></ul>
845 can be used to -25°F (-30°C)	<ul style="list-style-type: none"><li>• Ideal for colder environments and for exposure to chemicals that can cause freezing (e.g. ammonia)</li></ul>	<ul style="list-style-type: none"><li>• Safe to use no matter the time of year or potential hazardous material</li></ul>

PART NO.	DESCRIPTION	PACKAGING
845	5 minute EEBA	Each
850	10 minute EEBA	Each



by Honeywell

# Respirators for Welding



**Advantages of Welding Respirators**  
North offers a complete range of respirators for welding, from disposables to supplied air. Select the right respirator for your worksite and job requirements

- Disposables – least cost and minimal worker training
- Elastomeric facepieces – increased worker comfort and fit
- Powered Air-Purifying Respirators – increased worker productivity and comfort without hoses to drag around
- Supplied Air – Minimum operating costs, no battery and cartridge service life restrictions

Assigned Protection Factors (APF)	U.S.	Canada
• APR Disposables and Half Masks	10	10
• APR Full Facepieces (QLFT)	10	10
• APR Full Facepieces (QNFT)	50	50
• PAPR & SAR Half Masks	50	50
• PAPR & SAR Full Facepieces	1000	25
• Hoods (with a fit factor under 10,000)	25	25
• Hoods (with a fit factor at or above 10,000)	1000	25

Note: All North hoods have an APF of 1000 in U.S. Refer to page 29 for more information.

Some assigned protection factors for Canada will change with the new CSA Standard, Z94.4-2010. APR Full Facepieces (QNFT) will change from 100 to 50, and PAPR & SAR hoods will change from 1,000 to 25.



DELUXE P95 & P100 DISPOSABLE RESPIRATORS



North offers two disposable respirators for various welding applications:

- North 8145P95 provides odor relief from nuisance level off-gassing such as organic vapors, acid gases and ozone. North's 8145P95 is a NIOSH approved P95 and the 8150P100 is a NIOSH approved P100 for use in environments that contain oil based aerosols.

- 8145 P95 Welding Applications:** (nuisance level odor relief)
- Welding: Alloy (aluminum, stainless & galvanized steel), Exotic steel (beryllium, titanium)
  - Aluminum Smelting, Foundries, Petrochemical Processing, Metal Pouring
- 8150 P100 Welding Applications:** (no odor relief)
- Mild Steel Welding
  - Lead (welding old bridges/structures) Arsenic, Beryllium, Cadmium and Silica exposure
  - All particulates, including oil based aerosols (oil in air)

Refer to page 7 for features.

PART NO.	DESCRIPTION	PACKAGING
8145P95	N95 disposable respirator with valve, plus odor relief from nuisance level OV, AG and Ozone. Universal size with adjustable straps.	5 per Box
8150P100	P100 disposable respirator with valve. Universal size with adjustable straps.	5 per Box

CFR-1 LIMITED USE AND 7190N99 LOW MAINTENANCE RESPIRATORS



Limited Use and Low Maintenance Respirators are effective for many welding applications and offer advantages over Disposable Respirators including: comfort, fit, convenience and performance. See pages 8-9 for detailed descriptions, features and benefits of these popular North welding respirators.

- CFR-1**
- Welding Applications:** (nuisance level odor relief with 95% minimum filter efficiency)
- Welding: Alloy (aluminum, stainless & galvanized steel), Exotic steel (beryllium, titanium)
  - Aluminum Smelting, Foundries, Petrochemical Processing, Metal Pouring

**7190N99**

**Welding Applications:** for solids, such as welding fumes and non-oil particulates

PART NO.	DESCRIPTION	PACKAGING
4200SW, MW, LW	CFR-1 Welding Respirator (Sizes small, medium and large)	Each
42N95	N95 replacement filters for CFR-1 respirator	20 per package
42R95	R95 replacement filters for CFR-1 respirator, for use in oil environments	10 per package
7190N99	N99 Particulate Respirator	1 per package
7190N99	N99 Replacement Filters for 7190N99	2 per package

7700 SERIES HALF MASKS WITH PANCAKE FILTERS



Combine the ever-popular North 7700 half mask with North's low-profile design filters for a solution professional welders will appreciate. The North 7700's non-allergenic silicone provides superior fit without pressure points for all-day comfort. It can also be adapted to PAPR and Supplied Air without additional fit-testing.

Refer to page 10 for a complete list of features and benefits.

PART NO.	DESCRIPTION	PACKAGING
770030S, M, L	Silicone half mask. Sizes small, medium and large.	Each
<b>PARTICULATE FILTERS</b>		
75FFP100	Pancake: Low profile P100 filter for use under welding helmets 99.97% filter efficiency for all particulates	Pair
75FFP100NL	Pancake with odor relief: Low profile P100 filter for use under welding helmets 99.97% filter efficiency for all particulates; plus relief from odors caused by nuisance levels of organic vapors, acid gases and ozone	Pair

BACKPACK ADAPTER



BP1002 shown with 7700 Series Half Mask and 7581P100 Cartridges

BP1201

The North Backpack Adapter relocates cartridges and filters out of the work zone, placing them on the user's back. Also reduces weight of mask. Oval hose design provides low profile under tight-fitting welding helmets.

Adapts easily to North Full Facepiece and Half Mask air purifying respirators, by screwing securely to facepiece cartridge connectors.

**Welding Applications:** for highly-heated areas, limited work space and tight-fitting welding helmets

FEATURE	FUNCTION	BENEFIT
Low-profile design	• Fits easily under welding helmets	• Greater worker comfort and acceptance
Replaceable filters	• Last longer than disposable respirators	• Lower overall cost

PART NO.	DESCRIPTION	PACKAGING
BP1002	Backpack Adapter*	Each
BP1201S, M, L	Backpack Adapter with 7700 half mask**	Each

\* Facepiece and Cartridges sold separately. NIOSH approved for use with North 7700, 5500, 5400 and 7600 Series Facepieces. Cartridges with End-of-Service-Life Indicators are not approved for use with the North Backpack Adapter.  
\*\* Cartridges sold separately.

7600 SERIES FULL FACEPIECE FOR WELDING



760008AW

Both the North 7600 and 5400 Full Facepiece Welding Respirators feature a welding shield constructed of a fire resistant thermoplastic material, that can be lifted upward on a locking hinge for a wide view of the work area. A standard 2" x 4.25" filter cover plate is installed.

The 7600 Series Full Facepiece offers the same fit, comfort and reliability of the North 7700 silicone half mask.

Refer to page 15 for a complete list of features and benefits. Cartridges and filters sold separately. Refer to pages 14 and 15 for a complete listing.

Welding filters sold separately. Refer to page 44.

PART NO.	DESCRIPTION	PACKAGING
760008AW, SW	Silicone full facepiece with welding attachment. Sizes: small and medium/large	Each
8404	Adapter to convert 7600 Series Facepiece. Includes 7600 lens with blackened bottom, hinge assembly and welding front	Each

5400 SERIES FULL FACEPIECE FOR WELDING



54001W shown with welding filter lens

The 5400 Series Full Facepiece Welding Respirator is an economical, solid performing solution with features similar to the 7600 Series above.

See page 12 for a complete list of features and benefits. Cartridges and filters sold separately. Refer to pages 14 and 15 for a complete listing.

Welding filters sold separately. Refer to page 44.

PART NO.	DESCRIPTION	PACKAGING
54001W, SW	Elastomeric full facepiece with welding attachment. Sizes: small and medium/large	Each
8405	Adapter to convert 5400 Series Facepiece. Includes 5400 lens with blackened bottom, hinge assembly and welding front	Each

CF2007 BREATHING TUBE



CF2007 shown with 76008A facepiece

For a cool air supply in hot welding environments, the CF2007 breathing tube is an economical solution. It converts the most popular North half mask respirators (5500 and 7700) and full facepieces (5400 and 7600) to supplied air respirators.

The CF2007 features soft, flexible tubes in front for worker comfort and a hard, kink proof tube in back for safety. Also, its functional Y-design locates the breathing tube on worker's back, out of the way of the work zone.

Refer to page 24 for more information.

PART NO.	DESCRIPTION	PACKAGING
CF2007	Includes interchangeable breathing tube, adjustable airflow valve and waist belt	1 per package

NOTE: Facepiece, quick connectors and air supply hoses sold separately

PRIMAIR FM 200 AND 300 SERIES FOR WELDING



North Primair FM Series offers PAPR respiratory protection plus head and face protection in one system. You'll get superior, adaptable protection in multiple harsh environments – applications where welding helmets, faceshields and spark guards are required in addition to respiratory protection.

Choose from many of the Fibre-Metal welding helmets. NIOSH approved with an APF of 1,000. Primair FM 200 meets ANSI Type I Class G for general head protection.

Refer to pages 21 and 22 for a complete list of features and benefits.

Primair FM 300 headgear with hood and Carbtex FR cover, Fibre-Metal Tigerhood Futura welding helmet with high-quality, solar-powered ADF lens.

FEATURE	FUNCTION	BENEFIT
Optional Carbtex® flame resistant hood made from Kevlar® and carbon fiber	<ul style="list-style-type: none"><li>• Intrinsically flame resistant</li><li>• Lightweight</li></ul>	<ul style="list-style-type: none"><li>• Can be washed repeatedly without loss of FR</li><li>• Cooler and more comfortable</li></ul>
Fibre-Metal Quicklok and 3-C attachment systems for welding helmets and faceshields	<ul style="list-style-type: none"><li>• Connects Fibre-Metal welding helmets and faceshields</li></ul>	<ul style="list-style-type: none"><li>• Added face protection for applications such as welding and grinding</li></ul>
Manifold directs air to the front of the head cover	<ul style="list-style-type: none"><li>• Air is delivered where workers need and want it the most</li><li>• Air is directed to the lens, not in workers' eyes</li></ul>	<ul style="list-style-type: none"><li>• Workers stay cooler and more comfortable</li><li>• Eliminates lens fogging</li><li>• Eyes do not dry out</li></ul>

PART NO.	DESCRIPTION	PACKAGING
PA231E01	Primair FM 200 E2 style hard hat with hood and Carbtex FR cover	Each
PA231P01	Primair FM 200 P2N style hard hat with hood and Carbtex FR cover	Each
PA231KIT1	Complete Welding Respirator. Kit includes one PA231E01, one CA101D Blower/Battery Assembly; one 4999BV913SR Fibre-Metal Tigerhood Futura welding helmet with ADF lens; one pack 40HE filters; one pair FMXW25 Fibre-Metal welder's gloves; one pair T76005B Fibre-Metal eyewear, clear; and one carry bag	Each
PA202	Replacement Primair FM 200 hoods	10 per package
PA232	Replacement Primair FM 200 Series Carbtex FR cover	Each
PA331	Primair FM 300 headgear with hood and Carbtex FR cover	Each
PA302	Replacement Primair FM 300 hoods	10 per package
PA332	Replacement Primair FM 300 Series Carbtex FR cover	Each



CARBTEX® – SPARK PROTECTION & COMFORT IN ONE FABRIC

Carbtex® is a lightweight fabric made from a weave of carbon fibers and Kevlar®. Since these fibers will not burn, Carbtex is fire retardant naturally, without special treatments or coatings that may wash out after repeated laundering. Primair FM Carbtex covers are sewn using Kevlar thread for added strength and fire resistance.

- Extremely lightweight and comfortable
- Fire retardant
- Can be laundered repeatedly





Welding Helmets

TIGERHOOD FUTURA AND CLASSIC FOR PRIMAIR FM 200 & 300



Primair FM Series is NIOSH approved for use with Fibre-Metal welding helmets, bringing together the best in welding and respiratory protection.

Tigerhood® Futura™ represents the latest in welding helmet technology and performance. Available with fixed shade filters or auto darkening filters (ADF).

Tigerhood® Classic is the welding helmet design that many welders want and prefer. Molded from Noryl® for high performance over a wide spectrum of welding processes and working conditions. Also available with fixed shade filters or auto darkening filters (ADF), and a variety of styles and colors.

For complete information on Fiber-Metal welding helmets request a catalog from your North representative.

FUTURA FEATURES	FUNCTION	BENEFIT
Front loading glass holder	• Easy to use and provides increased protection	• Reduces downtime and worker injuries
Choose fixed or auto darkening filter (ADF)	• Select the right version to meet your workplace needs	• Fixed filters provides the most economy • ADF reduces worker downtime and chance of injury
ADF is solar powered	• No batteries to change • Will not cut out during operation due to a dead battery	• Saves time and money • Workers stay on the job
High performance thermoplastic	• Greater heat resistance & dimensional stability at elevated temperatures • Higher impact resistance	• Superior protection for workers • Holds up longer, even in the toughest environments

CLASSIC FEATURES	FUNCTION	BENEFIT
Exclusive airflow design	• Air circulates within helmet	• Clears any smoke or fumes that may get trapped between helmet and hood
Extended length	• Provides additional protection for the throat	• Increased worker safety
Molded from Noryl	• Lightweight and strong  • More heat and chemical resistance than other materials	• More comfortable for long periods without sacrificing durability • Can be used in the toughest environments for a variety of welding applications

AUTO DARKENING FILTERS (ADF)



North offers a wide range of welding filters in fixed and auto darkening. For a complete listing refer to the Fibre-Metal literature or the North web site at [www.northsafety.com](http://www.northsafety.com).

PART NO.	DESCRIPTION	PACKAGING
FMB10	Fits Full Facepiece welding adapter and Fibre-Metal 2001 Futura Welding Helmets, Shade 10 - 2" x 4 1/4"	Each
FMB11	Fits Full Facepiece welding adapter and Fibre-Metal 2001 Futura Welding Helmets, Shade 11 - 2" x 4 1/4"	Each
FMBV913	Fits Fibre-Metal Welding Helmets 2999, 999, FMX, 2090 (Adapter Kit Needed for 2090), Variable Shades 9-13 - 90mm x 110mm	Each



by Honeywell

Gas Masks and Domestic Preparedness



Advantages of Gas Masks and APR Escape Hood

- Lightweight and portable
- User friendly "NIOSH Ready" configuration
- Economically priced for non-military needs and budgets

Applications

- First Receivers & EMTs
- Hospitals
- Chemical Plants
- Transportation Workers

Assigned Protection Factors (APF)

	U.S.	Canada
APR Full Facepieces (QLFT)	10	10
APR Full Facepieces (QNFT)	50	50
Escape Hoods	Not Applicable	

Some assigned protection factors for Canada will change with the new CSA Standard, Z94.4-2010. APR Full Facepieces (QNFT) will change from 100 to 50, and PAPR & SAR hoods will change from 1,000 to 25.

54500 SERIES CBRN GAS MASK



54501CBRN

North's NIOSH approved 54501CBRN APR ensemble, includes a tight fitting Full Facepiece, CBRN Canister and Carry Bag. The ensemble is designed and built to protect emergency responders, first receivers, law enforcement and riot control, abatement and general response teams in non-IDLH atmospheres containing CBRN respiratory hazards and Toxic Industrial Chemicals (TIC's).

North's CBRN APR is the only complete ensemble, making it the best value and most affordable product for all classes of responders.

FEATURES	FUNCTION	BENEFIT
NIOSH/CBRN approval CAP 1	• 15 minute minimum rating	• Meets specifications for bids using state and Federal grants. • Meets the highest levels of protection and performance requirements
Designed specifically for non-military responders and receivers	• Every feature you require without added “bells and whistles” you don’t need	• Best value available
Left or right mount for canister preference.	• Ambidextrous	• Accommodates left or right handed sighting
40mm DIN thread	• Meets CBRN and NATO standards	• Allows for interoperability in an emergency.
NIOSH approved “ready for use” in carry bag with belt loops	• Convenient and quickly accessible	• Saves precious time getting mask out and donned in an emergency.
Superior facepiece design	• 200 degree vision resistance resistance • Polycarbonate lens • Nose cup reduces fogging and “dead air” space	• Maximum peripheral vision • Meets ANSI Z87 for high impact • No loss of visibility, better comfort, personnel will not tire as quickly

PART NO.	DESCRIPTION	PACKAGING
GAS MASK KIT, COMPLETE		
54501CBRN	Respirator Gas Mask, complete. Includes 54501 Gas Mask, 40CBRN canister and carry bag. Size Medium/Large	Each
54501SCBRN	Respirator Gas Mask, complete. Includes 54501 Gas Mask, 40CBRN canister and carry bag. Size Small	Each
GAS MASK REPLACEMENT COMPONENTS		
54501	Gas Mask with carry bag. Size Medium/Large	Each
54501S	Gas Mask with carry bag. Size Small	Each
40CBRN	Replacement CBRN 40mm canister	Each
54BAG	Replacement Carry Bag	Each

REQUIRMENTS FOR SALE OF DOMESTIC PREPAREDNESS PRODUCTS IN CANADA

Users and Distributors wishing to purchase the 54501CBRN or ER2000CBRN Series respirators for sale and use in Canada must be registered with the Canadian Controlled Goods Directorate.

ER2000 CBRN ESCAPE HOOD



ER2000CBRN  
Escape Hood



Butyl Neck Dam  
with contoured edge



Ready access  
carry bag

During an emergency evacuation you need an escape respirator you can depend on. North delivers with the ER2000CBRN escape hood. North's ER2000CBRN emergency escape respirator is NIOSH approved to provide 30 minutes of respiratory protection from non-IDLH atmospheres containing Chemical, Biological, Radiological and Nuclear (CBRN) respiratory hazards as well as Toxic Industrial Chemicals (TICs). Because it is easy to don and universally sized, it is ideal for use by the general population. NIOSH approved CBRN CAP 2.

FEATURES	FUNCTION	BENEFIT
NIOSH/CBRN approval CAP 2	• 30 minute minimum rating	• Meets specifications for bids using State and Federal grants • Meets the highest levels of protection and performance requirements
Universal size	• Comfortably fits most adults	• Reduced inventory • Eliminates concern people have the right size during an emergency
Dual cartridge design	• Balanced • Cartridges are located out of direct vision	• Increased comfort and fit • Vision is not obstructed
Headstrap harness located on outside of hood	• Quick and easy to adjust	• Provides a secure fit each and every time • Saves precious seconds during donning
Translucent polyurethane hood	• Complete visibility	• Anti-claustrophobic • Emergency responders can easily see wearer for quick identification
Reflective stripe on head strap	• Illuminates by flashlight or other lightsource	• Guides rescue workers to location of victims
Flexible contoured neck dam	• Stretches to fit over head • Seals without constriction	• Pulls over head quickly • Provides a secure fit
Oral/nasal cup	• Reduces fogging • Less “dead air space”	• Increased visibility • Minimizes inhaled CO2, less tiring
Inner sealed bag is pre-notched and scored	• Protects hood during storage  • Opens in one easy motion	• Know your escape respirator is ready to use in an emergency • Opens quickly and easily every time
NIOSH approved “ready to use” with carry bag	• Belt loops to wear vertically or horizontally	• Convenient and always available
Training Conversion Kit	• Converts ER2000 to a training unit	• Train people on actual respirator

PART NO.	DESCRIPTION	PACKAGING
ESCAPE RESPIRATOR COMPLETE		
ER2000CBRN	Emergency Escape CBRN Respirator, complete. Escape hood assembled in sealed inner bag, within nylon carry bag	Each
REPLACEMENT COMPONENTS		
ERBAG	Replacement black nylon carry bag for ER2000CBRN	Each
ERTRAIN	Training Kit includes 1 set of labels for ER2000	1 per package



54400 SERIES RIOT CONTROL RESPIRATOR



Emergency receivers such as EMTs and Medical Personnel performing triage and decontamination, Police and CERT volunteers need respirators that will protect them without added weight and imbalance of a military style mask. You need respirators that meet your budget. The solution is the North 54400 Series gas mask. NIOSH approved for protection from tear gas, (chloroacetophenone [CN] and chlorobenzylidene malononitrile [CS]), as well as other toxic industrial chemicals (TIC).

FEATURE	FUNCTION	BENEFIT
NIOSH approved for CN and CS tear gas, particulates including biological and other toxins	<ul style="list-style-type: none"><li>Protects emergency personnel from most chemicals encountered during an incident</li></ul>	<ul style="list-style-type: none"><li>Can be used for protection during a riot, chemical spill, or other possible emergency</li></ul>
Includes everything needed to protect first receivers and emergency personnel, without encumbering features not needed	<ul style="list-style-type: none"><li>Economically priced</li><li>Lighter weight than most military masks</li></ul>	<ul style="list-style-type: none"><li>Meets your budgetary needs</li><li>Greater worker comfort and productivity</li></ul>
40mm DIN threads	<ul style="list-style-type: none"><li>Thread specified in CBRN, EN and NATO standards</li></ul>	<ul style="list-style-type: none"><li>Universal*</li></ul>
Oral/nasal cup	<ul style="list-style-type: none"><li>Reduces dead air space and fogging</li></ul>	<ul style="list-style-type: none"><li>More comfortable and cooler. Less worker fatigue</li><li>Visibility is not impaired</li></ul>
Hard coated polycarbonate lens	<ul style="list-style-type: none"><li>Meets ANZI Z87 for high impact protection</li><li>Scratch resistant</li></ul>	<ul style="list-style-type: none"><li>Workers are protected from flying debris</li><li>Facepiece lasts longer, visibility is not impaired</li></ul>
Includes nylon carry bag with belt loops and Velcro® closure	<ul style="list-style-type: none"><li>Respirator is at the ready in case of an emergency</li><li>Quick and easy access to respirator</li></ul>	<ul style="list-style-type: none"><li>Saves precious seconds when emergency personnel need to be on site, wearing their respirator</li></ul>

\* Note: Use of other manufacturer's cartridges or canisters, referred to as "interoperability" is not condoned by OSHA, and voids the NIOSH approval and North warranties.

PART NO.	DESCRIPTION	PACKAGING
54401 SERIES RESPIRATOR ASSEMBLY		
54401RCP100	Respirator Assembly, complete. Includes one 54401 facepiece, size medium/large; one 40RCP100 riot control cartridge; and one carry bag (part number 76BAG).	Each
54401SRCP100	Respirator Assembly, complete. Includes one 54401 facepiece, size small; one 40RCP100 riot control cartridge; and one carry bag (part number 76BAG).	Each
54401 SERIES REPLACEMENT COMPONENTS		
54401,S	Full facepiece for single cartridge, sizes medium/large and small	Each
40RCP100	Riot Control cartridge for 54401 Series facepiece.	Each

NORTH INCIDENT RESPONSE KITS



North Incident Response Kits are essential for anyone who responds to an emergency spill, terrorist attack or other incident. Kits contain the required personal protective gear, and are available in several versions to meet your specific needs and budget.

Refer to page 52 for a listing of kit contents.

Not available in Canada.

FEATURE	FUNCTION	BENEFIT
Head to Toe Personal Protection	<ul style="list-style-type: none"><li>Provides protection for respiratory, eye &amp; face, hand and foot</li><li>Some kits also contain protective apparel</li></ul>	<ul style="list-style-type: none"><li>Your emergency responders and receivers have the right protective apparel</li></ul>
Kits available in small, medium or large	<ul style="list-style-type: none"><li>Respirators, gloves and boots offered multiple sizes</li></ul>	<ul style="list-style-type: none"><li>Provides the right size for each person</li></ul>
First aid kit included	<ul style="list-style-type: none"><li>Provides responders and receivers with basic first aid in event of minor injuries</li></ul>	<ul style="list-style-type: none"><li>Emergency personnel can stay on site</li><li>Does not tie up receivers who need to focus on the critically injured</li></ul>
Nylon carry bag with slot for I.D. tag	<ul style="list-style-type: none"><li>Every thing kept in one place</li><li>Easy to grab and go during an incident</li><li>Each person's kit is easily identified</li></ul>	<ul style="list-style-type: none"><li>Eliminates concern of missing items</li><li>Can be thrown into truck of car and carried to location</li><li>Multiple kits can be kept in one place, and still easily sorted</li></ul>

PART NO.	DESCRIPTION	PACKAGING
130003S, M, L	Economy Personal Response Kit with N95 filtering facepiece	Each
130001S, M, L	Basic Kit with N95 filtering facepiece. Sizes small, medium and large	Each
130001CS, M, L	Basic Kit with 54501CBRN full facepiece. Sizes small, medium and large	Each
130001HS, M, L	Basic Kit with ER2000CBRN escape hood. Sizes small, medium and large	Each
130001PS, M, L	Basic Kit with CA102D PAPR and 54001 full facepiece. Sizes small, medium and large	Each
130002S, M, L	Deluxe Incident Response Kit with 54401RCP100 gas mask. Sizes small, medium and large	Each
130023S, M, L	Biohazard Response Kit. Sizes small, medium and large	Each

# Incident Response Kit Contents

Sizes included in small, medium, and large kits are noted with item/description.

ITEM/DESCRIPTION	130003	130001	13001C	13001H	130001P	130002	130023
<strong>HEAD PROTECTION</strong>							
Yellow Hard Hat		1 ea	1 ea	1 ea	1 ea	1 ea	
<strong>EYE/FACE PROTECTION</strong>							
Safety Goggles		1 ea	1 ea	1 ea	1 ea	1 ea	1 ea
<strong>RESPIRATORY PROTECTION</strong>							
Disposable N95 respirator Sizes: Sm S; Med M/L; Lrg M/L	4 ea	20 ea	20 ea	20 ea	20 ea		2 ea
Disposable N95 respirator with valve Sizes: Sm S; Med M/L; Lrg M/L						10 ea	
54501CBRN Full Facepiece Sizes: Sm S; Med M/L; Lrg M/L			1 ea				
ER2000CBRN Escape Hood				1 ea			
54401RCP100 Full Facepiece Sizes: Sm S; Med M/L; Lrg M/L						1 ea	
Half Mask with Defender P100 Sizes: Sm S; Med M; Lrg L						1 ea	
7580P100 filters						1 pr	
PAPR with OV/AG/HE filters & 54001 full facepiece Sizes: Sm S; Med M/L; Lrg M/L					1 ea		
<strong>HAND PROTECTION</strong>							
Butyl gloves Sizes: Sm 8; Med 9; Lrg 10		2 pr	2 pr	2 pr	2 pr	2 pr	
Cotton Liner for Butyl Gloves Sizes Sm S; Med M; Lrg L						2 pr	
Nitrile gloves, 11 mil Sizes: Sm 8; Med 9; Lrg 10	2 pr	1 pr	1 pr	1 pr	1 pr	1 pr	
Disposable Nitrile Gloves, 5 mil Sizes: Sm S; Med M; Lrg XL		1 bx 100 ea	1 bx 100 ea	1 bx 100 ea	1 bx 100 ea	1 bx 100 ea	2 pr
Silver Shield® Gloves Sizes: Sm 8; Med 10; Lrg 11		1 pr	1 pr	1 pr	1 pr	1 pr	
<strong>BODY PROTECTION</strong>							
Orange Traffic Vest		1 ea	1 ea	1 ea	1 ea	1 ea	
Silver Shield Apron, Large						1 ea	
Silver Shield Sleeves						1 pr	
Disposable Coverall Sizes: Sm M, Med L, Lrg XL						1 ea	1 ea
<strong>FOOT PROTECTION</strong>							
Disposable Latex Booties Sizes: Sm M; Med L; Lrg XL	1 pr						1 pr
WMD Overboot Sizes: Sm M, Med L; Lrg XL		1 pr	1 pr	1 pr	1 pr	1 pr	
Disposable Silver Shield Booties						1 pr	
<strong>FIRST AID</strong>							
Personal First Aid Kit		1 ea	1 ea	1 ea	1 ea	1 ea	
Eyewash Bottle (16 oz)		2 ea	2 ea	2 ea	2 ea	2 ea	
Thermal Blanket		1 ea	1 ea	1 ea	1 ea	1 ea	
Anti-Septic Wipes							10 ea
Disinfectant Tablets							1 ea
Disinfectant Spray, 16 oz.							1 ea
<strong>MISCELLANEOUS</strong>							
Gray Carry Bag		1 ea	1 ea	1 ea	1 ea	1 ea	
Personal Effects Bag						1 ea	1 ea
Contaminated Clothing Bag		2 ea	2 ea	2 ea	2 ea	2 ea	
Bio Hazard Bag							2 ea



## Accessories

by Honeywell





FIT TESTING



**Qualitative Fit Test Kits**  
A choice of portable fit test kits are available for fitting employees in the right size mask using qualitative fit testing. Select from Irritant Smoke or Bitrex® kits. Deluxe kits include a hard case. The Irritant Smoke Deluxe Kit also includes a training video. The VeriFit® irritant smoke kit features a handy cassette and includes 10 easy to use, plastic smoke tubes.

Economy Fit Test Kits are not available in U.S. and Mexico

**Quantitative Fit Test Kit for CFR-1**  
The CFR-1 fit test kit contains one each of small, medium and large 4200 masks, probed to perform quantitative fit testing. 100 refresher wipe pads plus extra suction cups and tubes for fit testing are also included. The rugged storage case keeps contents secure and readily available when needed. The 4200QNKT is used in conjunction with a PortaCount® fit tester with the N95 companion.

**Fit Test Adapters**  
North offers several adapters to fit test North facepieces. While some adapters are dedicated to quantitative fit testing, others can be used for either method.

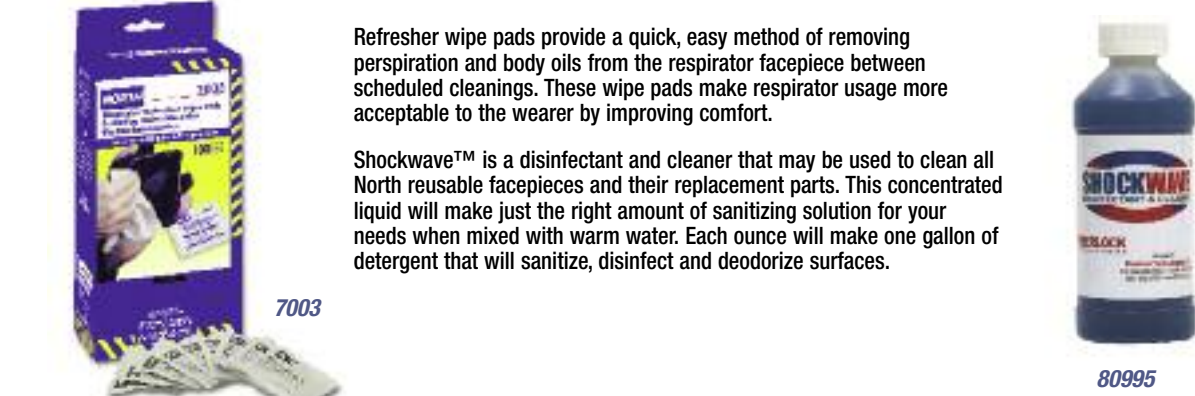
PART NO.	DESCRIPTION	PACKAGING
770039	Deluxe Bitrex kit with Test and Sensitivity solutions	Each
770039IC	Economy Bitrex kit with Test and Sensitivity solutions.	Each
770046	VeriFit® irritant smoke kit with 10 plastic smoke tubes	Each
770040	Deluxe irritant smoke kit with 6 smoke tubes	Each
770040IC	Economy irritant smoke kit with 6 smoke tubes.	Each
4200QNFT	Deluxe Quantitative Fit Test Kit for CFR-1 Respirator	Each
770021	Fit Test Adapter for use with PortaCount Quantitative Fit Tester. For 5500, 7700, 5400, 7600, 7800 Series masks	Each
770023	Fit Test Adapter, for Qualitative fit testing 80004 facepieces, or Quantitative fit testing when 770021 Adapter is also used.	Each
770025	Fit Test Adapter, for Qualitative fit testing 54400, 54500 and 85700 Series facepieces, or Quantitative fit testing when 770021 Adapter is also used.	Each
900099	Fit Test Adapter, for Quantitative and Qualitative fit testing. For Frontier SCBA facepieces and hoods.	Each

WHICH FIT TEST METHOD IS BEST FOR YOU?

For most applications a qualitative fit test will be sufficient. Irritant Smoke creates a positive reaction of coughing if there is breakthrough. Bitrex uses a nebulizer to spray a bitter substance inside a hood. Since Bitrex requires N95 type filters, it is the preferred method for qualitatively fit testing disposable filtering facepieces (dust masks). It can also be used to fit test the CFR-1 and the 7190.

Quantitative Fit testing provides an absolute number, telling you how well a mask fits on an individual. These tests can be performed using either a particle count such as the TSI Porta-Count® or a negative pressure method.

CLEANING AND SANITIZING



Refresher wipe pads provide a quick, easy method of removing perspiration and body oils from the respirator facepiece between scheduled cleanings. These wipe pads make respirator usage more acceptable to the wearer by improving comfort.

Shockwave™ is a disinfectant and cleaner that may be used to clean all North reusable facepieces and their replacement parts. This concentrated liquid will make just the right amount of sanitizing solution for your needs when mixed with warm water. Each ounce will make one gallon of detergent that will sanitize, disinfect and deodorize surfaces.

PART NO.	DESCRIPTION	PACKAGING
7002	Banana oil ampules. <b>Canada only.</b>	10 per box
7003	Refresher wipes with alcohol, 5" x 7" individually wrapped towelettes	100 per box
7003L	Refresher wipes with alcohol, 8" x 11" individually wrapped towelettes	100 per box
7003A	Refresher wipes, alcohol free, 5" x 7" individually wrapped towelettes	100 per box
7003AL	Refresher wipes, alcohol free, 8" x 11" individually wrapped towelettes	100 per box
80995	Cleaner & Disinfectant for respirator facepieces. 10 oz bottle	Each

ACCESSORIES FOR FULL FACEPIECES AND HOODS



PART NO.	DESCRIPTION	PACKAGING
80100	Eyeglass frame. Plastic, no lenses	Each
760023	Eyeglass frame. Metal, no lenses	Each
760024	Eyeglass frame. Metal, no lenses	Each
80836A	Cover lens, peel-off. Three sheets per set, for all full facepieces	5 per Package
86168A	Cover lens, peel-off with one adhesive strip. Three sheets per set, for 85300 hoods	5 per Package
86190A	Cover lens, peel-off with two adhesive strips. Three sheets per set, for 85300 hoods	5 sets per Package
PA105	Cover lens, peel-off. Three sheets per set, for Primair Plus hoods	5 sets per Package
PA106	Cover lens, peel-off. Three sheets per set, for Primair FM hoods	5 sets per Package
69C	Chin Strap, for 85300 Series Hoods	Each
80944A	Anti-Fog Pad for all full facepieces. Individually packaged in foil pouch	10 per package
900323	Spanner to remove Frontier CDV seat	Each

VOICE AMPLIFIER



The North 7600VA Voice Amplifier is designed to clip onto the 7600 Series full facepiece speaking diaphragm housing and easily installs in a few seconds. This compact, battery operated unit clearly amplifies and projects the wearer's voice, allowing for clear and crisp speech, even in areas with high ambient noise.

PART NO.	DESCRIPTION	PACKAGING
7600VA	Voice Amplifier	Each

STORAGE



OSHA and CSA require respirators to be stored in a clean and contaminant free environment. Protect your workers and your North respirators by storing them properly.

PART NO.	DESCRIPTION	PACKAGING
79BAG	Nylon carry bag for CFR-1, 7190 and Mouthbit respirators. Includes Velcro closure and belt loops	Each
77BAG	Nylon carry bag for half masks. Includes Velcro closure and belt loops	Each
76BAG	Nylon carry bag for full facepieces. Includes Velcro closure and belt loops	Each
54BAG	Nylon carry bag for full facepieces. Includes zipper closure and belt loops	Each
CA133	Molded carry case for Compact Air PAPR	Each
900993	Molded carry case for Frontier SCBA	Each
83219	Deluxe wall case with shelf and single SCBA cylinder bracket. 20" x 13" x 32"	Each
80994	Wall and truck bracket mount bracket for SCBA	Each
89992	Molded carry case for 845 Five Minute EEBA	Each
89987	Molded carry case for 850 Ten Minute EEBA	Each
89986	Wall mount bracket for EEBA	Each

PART NO.	PG	PART NO.	PG	PART NO.	PG	PART NO.	PG
NUMERIC PART NO.		7506N99	15	85302SBA	27, 29	915332FB	36
130001	51, 52	7506R95	15	85302TA	27, 29	915632FB	36
130001C	51, 52	7506N95	15	85302TBA	27, 29	ALPHABETICAL PART NO.	
130001H	51, 52	7531N95	15	85401	30	APPA	28
130001P	51, 52	7531R95	15	85501	30	APPB	28
130002	51, 52	7535FFP100	15	85505	30	APPC	28
130003	51, 52	7580P100	15	85510	30	APPD	28
130023	51, 52	7581P100	14	85525	30	APPE	28
4001	19	7582P100	14	85785	31	BP1002	43
4001HE	19	7583P100	14	86168A	55	BP1201	43
4003	19	7584P100	14	86190A	55	CA101	19
4003HE	19	75852P100	14	86600	28	CA101D	19
4004	19	75FFP100	15, 41	86610	28	CA102	19
4004HE	19	75FFP100NL	15, 41	86620	31	CA102D	19
40CBRN	48	75SC	14	86630	28	CA133	56
40RCP100	50	75SCP100	14	880040	33	CF2007	24, 42
40HE	19	760008A	12	880041	33	CF2401	24
4200QNFT	54	760008AW	12, 44	880060	33	ER2000CBRN	49
4200	8	760023	55	880061	33	ERBAG	49
4200W	8, 42	760024	55	880141	33	ERTRAIN	49
42N95	8, 42	7600VA	56	880161	33	FMB10	46
42R95	8, 42	76BAG	56	88600	27, 33	FMB11	46
5130N95	4	770021	54	886012	33	FMBV913	46
54001	13	770023	54	886025	33	N75001	14
54001W	13, 44	770025	54	886050	33	N750015	15
54401	50	770030	11, 41	886100	33	N75002	14
54401RCP100	50	770039	54	88800	27, 33	N750027	15
54501	48	770040	54	89986	56	N750029	15
54501CBRN	48	770046	54	89987	56	N75003	14
54BAG	48	77BAG	56	89992	56	N750035	15
550030	11	78005	25	900006FB	37	N75004	14
5501	11	78006	25	900025FB	37	N750052	14
5501N95	11	7902	16	900050F3	37	PA101	20
5501R95	11	7904	16	900099	54	PA102	20
5503	11	79BAG	16, 56	900100FB	37	PA105	55
5580P100	11	845	40	900323	55	PA106	55
5581P100	11	850	40	900993	56	PA111	20, 29
5583P100	11	80100	55	910301LP	37	PA112	20, 29
55SCP100	11	80836A	55	910302LP	37	PA121	20, 29
69C	55	80944A	55	910303HP	37	PA122	20, 29
7002	55	80995	55	910603HP	37	PA201E01	21, 29
7003	55	80994	56	912132FB	36	PA201P01	21, 29
7003A	55	8140P95	4, 6	912332FB	36	PA202	21, 29
7003AL	55	8145P95	4, 7, 42	912643FB	36	PA231E01	21, 29, 45
7003L	55	8150P100	4, 7, 42	913132FB	36	PA231KT1	21, 45
7130N95	4, 5	83219	56	913200	36	PA231P01	21, 29, 45
7140N95	4, 5	8404	44	913332FB	36	PA232	21, 45
7190N99	9, 42	8405	44	913632FB	36	PA301	22, 29
7230N95	5	85301S	27, 29	914132FB	36	PA302	22, 29
7320N95B	5	85301SB	27, 29	914332FB	36	PA331	22, 29, 45
7240N95	5	85301T	27, 29	914632FB	36	PA332	22, 45
7240N95B	5	85301TB	27, 29	915132FB	36	RP1500	4
7506N95	15	85302SA	27, 29	915200	36		

WARRANTIES

North by Honeywell products are covered by and subject to the terms and conditions of the North by Honeywell Limited Warranty that appears in our annual price list. The North by Honeywell Limited Warranty is the only written warranty of any force and effect, and all other written warranties are disclaimed in their entirety. In no event shall North by Honeywell or any of its authorized dealers be liable for any damages in excess of the purchase price of the relevant product. This limitation applies to damages of any kind, including but not limited to direct or indirect damages or other special, incidental, exemplary or consequential damages, whether arising out of the use or inability to use the product, even if we or any of our authorized dealers has been advised of the possibility of the damages or any claim by any other party. Servicing of any product with parts not approved by us will void the warranty and may result in loss of any certification or approval applicable to the product.