# 7700 AND 5500 SERIES HALF MASKS

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.

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

National Safety, Inc.
6910 S. 196th St.
Kent, WA 98032
(800) 213-7092
www.nationalsafetyinc.com
All North Half Masks can be adapted to PAPR or Supplied Air.

5500 CONVENIENCE PACKS

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

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

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).

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>770030S, M, L</td>
<td>Silicone half mask. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
<tr>
<td>550030S, M, L</td>
<td>Elastomeric half mask. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>5580P100S, M, L</td>
<td>Half mask respirator complete with P100 filters. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
<tr>
<td>5501N95S, M, L</td>
<td>Half mask respirator complete with organic vapor cartridges and N95 prefilters. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
<tr>
<td>5501R95S, M, L</td>
<td>Half mask respirator complete with organic vapor cartridges and R95 prefilters. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
<tr>
<td>5501S, M, L</td>
<td>Half mask respirator complete with organic vapor cartridges. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
<tr>
<td>5503S, M, L</td>
<td>Half mask respirator complete with organic vapor /acid gas cartridges. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
<tr>
<td>5581P100S, M, L</td>
<td>Half mask respirator complete with organic vapor cartridge/P100 filter. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
<tr>
<td>5583P100S, M, L</td>
<td>Half mask respirator complete with organic vapor /acid gas cartridges/ P100 filters. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
<tr>
<td>55SCP100S, M, L</td>
<td>Half mask respirator complete with Defender™ multi-contaminant cartridges/P100 filters. Sizes small, medium and large.</td>
<td>Each</td>
</tr>
</tbody>
</table>
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.

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

**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 |

National Safety, Inc.
6910 S. 196th St.
Kent, WA 98032
(800) 213-7092
www.nationalsafetyinc.com
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.

**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 | Increased worker comfort and productivity
| Channels exhaled breath | 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

<table>
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<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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</tr>
</thead>
<tbody>
<tr>
<td>54001, S</td>
<td>Elastomeric full facepiece. Sizes small and medium/large</td>
<td>Each</td>
</tr>
<tr>
<td>54001W, SW</td>
<td>Elastomeric full facepiece with welding attachment. Sizes small and medium/large</td>
<td>Each</td>
</tr>
</tbody>
</table>

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

5400 Series
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 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 cartridge life based on your worksite parameters. Visit the North web site www.northsafety.com to learn more and try the North esLife Program.

### GAS AND VAPOR CARTRIDGES

<table>
<thead>
<tr>
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<th>DESCRIPTION</th>
<th>PROTECTION FROM</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>75SC</td>
<td>Defender™ Multi-Purpose</td>
<td>Organic vapors, ammonia, methylamine, formaldehyde and acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide [escape], hydrogen fluoride and chlorine dioxide)</td>
<td>Pair</td>
</tr>
<tr>
<td>N75001</td>
<td>Organic Vapor</td>
<td>Organic vapors</td>
<td>Pair</td>
</tr>
<tr>
<td>N75002</td>
<td>Acid Gas Cartridge</td>
<td>Acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide [escape], hydrogen fluoride and chlorine dioxide) and formaldehyde</td>
<td>Pair</td>
</tr>
<tr>
<td>N75003</td>
<td>Organic Vapor &amp; Acid Gas</td>
<td>Organic vapors and acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide [escape], hydrogen fluoride and chlorine dioxide)</td>
<td>Pair</td>
</tr>
<tr>
<td>N75004</td>
<td>Ammonia &amp; Methylamine</td>
<td>Ammonia and methylamine</td>
<td>Pair</td>
</tr>
<tr>
<td>N750052</td>
<td>Mercury Vapor Cartridge with ESLI</td>
<td>Mercury vapor and chlorine with End-of-Service Life Indicator (ESLI) for mercury</td>
<td>Pair</td>
</tr>
</tbody>
</table>

### COMBINATION GAS AND VAPOR CARTRIDGES WITH P100 PARTICULATE FILTERS

<table>
<thead>
<tr>
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<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>75SCP100</td>
<td>Defender™ Multi-Purpose with P100</td>
<td>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</td>
<td>Pair</td>
</tr>
<tr>
<td>7581P100</td>
<td>Organic Vapor with P100</td>
<td>Organic vapors; and 99.97% filter efficiency for all particulates</td>
<td>Pair</td>
</tr>
<tr>
<td>7582P100</td>
<td>Acid Gas with P100</td>
<td>Acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide [escape], hydrogen fluoride and chlorine dioxide) and formaldehyde; and 99.97% filter efficiency for all particulates</td>
<td>Pair</td>
</tr>
<tr>
<td>7583P100</td>
<td>Organic Vapor &amp; Acid Gas with P100</td>
<td>Organic vapors and acid gases (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide [escape], hydrogen fluoride and chlorine dioxide); and 99.97% filter efficiency for all particulates</td>
<td>Pair</td>
</tr>
<tr>
<td>7584P100</td>
<td>Ammonia &amp; Methylamine with P100</td>
<td>Ammonia and methylamine; and 99.97% filter efficiency for all particulates</td>
<td>Pair</td>
</tr>
<tr>
<td>75852P100</td>
<td>Mercury Vapor with ESLI and P100</td>
<td>Mercury vapor and chlorine with End-of-Service Life Indicator (ESLI) for mercury; and 99.97% filter efficiency for all particulates</td>
<td>Pair</td>
</tr>
</tbody>
</table>
## Cartridges/Filters for Air-Purifying Respirators

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>PROTECTION FROM</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARTICULATE FILTERS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7580P100</td>
<td>P100</td>
<td>99.97% filter efficiency for all particulates</td>
<td>Pair</td>
</tr>
<tr>
<td>75FFP100</td>
<td>Pancake: Low profile P100 filter for use under welding helmets</td>
<td>99.97% filter efficiency for all particulates</td>
<td>Pair</td>
</tr>
<tr>
<td>75FFP100NL</td>
<td>Pancake with odor relief: Low profile P100 filter for use under welding helmets</td>
<td>99.97% filter efficiency for all particulates; plus relief from odors caused by nuisance levels of organic vapors, acid gases and ozone</td>
<td>Pair</td>
</tr>
<tr>
<td>7506N95</td>
<td>N95 Prefilter</td>
<td>95% filter efficiency for non-oil based aerosol particulates</td>
<td>10 per Pack</td>
</tr>
<tr>
<td>7506R95</td>
<td>R95 Prefilter</td>
<td>95% filter efficiency for all particulates. Restricted to 8 hours service life if used in atmospheres containing oil-based aerosols</td>
<td>10 per Pack</td>
</tr>
<tr>
<td>7506N99</td>
<td>N99 Prefilter</td>
<td>99% filter efficiency for non-oil based aerosol particulates</td>
<td>10 per Pack</td>
</tr>
</tbody>
</table>

## PARTICULATE FILTER ASSEMBLIES

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>7535FFP100</td>
<td>Stack Pack: Pancake with Adapter</td>
<td>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.</td>
<td>5 Pair filters &amp; 1 Pair adapter</td>
</tr>
<tr>
<td>7531N95</td>
<td>N95 Filter Assembly</td>
<td>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.</td>
<td>1 Pair</td>
</tr>
<tr>
<td>7531R95</td>
<td>R95 Filter Assembly</td>
<td>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.</td>
<td>1 Pair</td>
</tr>
</tbody>
</table>

## 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.

## ACCESSORIES

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