



# NORTH AIRLINE RESPIRATORS

From the continuous flow half mask, which features the same facepiece design as the popular 7700 Series, to the full facepiece continuous flow and pressure demand airline respirators, each North airline respirator is made with quality and designed with the user in mind. Both the half mask and the full facepiece are made from soft silicone for a comfortable and secure fit. Our airline hoods are made from Tyvek<sup>®</sup>, either coated or uncoated.

*About Airline Respirators:* Airline respirators, also known as supplied air respirators, provide breathable air from either a fixed source such as a cylinder, or from either a pump or a compressor. Whether from a cylinder, a

pump or compressor, the air supply must be Grade 'D' or better breathable air, containing at least 19.5% oxygen per volume at sea level.

Continuous flow airline respirators supply the air in a constant stream. Because these types of airline respirators would drain a fixed source of air quickly, a pump or compressor is used to supply the air. Pressure demand airline respirators are maintained by the demand valve, at a positive pressure in relation to the air outside the facepiece. As the wearer inhales, air is delivered on demand and the facepiece stays at positive pressure.

Certified components of North airline respirators include quick-connect couplers, and  $\frac{3}{8}$  inch diameter and  $\frac{1}{2}$  inch diameter air hoses in 12 $\frac{1}{2}$ , 25, 50, and 100 ft. lengths. All of these respirators are fully certified for specific hose length combinations up to 300 feet.

All North airline respirators are sold in components. To make the following respirators complete, you must order the appropriate North quick-connect couplers and air supply hoses.

## NORTH HALF MASK CONTINUOUS FLOW AIRLINE RESPIRATORS 85100 & 85110 SERIES

The 85100 Series and 85110 Series Respirators are half mask Type C continuous flow supplied air respirators which provide protection against most gases, vapors and particulates for extended periods of time. The 85100 Series includes a durable belt-mounted airline control

valve to allow the worker to set the airflow desired to keep cool and comfortable. For economy, but with no sacrifice in worker safety, the 85110 Series uses a fixed orifice bushing and source air pressure adjustments to control air flow.



Model 85101  
(Shown with Adjustable  
Flow Control)

Features	Benefits
✦ Silicone facepiece	Wearer comfort, readily conforms to facial features Easy to clean. Durable.
✦ Three facepiece sizes	Comfortable fit for largest number of respirator wearers.
✦ Extended side flanges	Provide good seal during talking or other facial motions.
✦ Cradle suspension system	Provides a secure fit; convenient side adjustment of headband straps. Easily removed for cleaning.
✦ 85110 Series without valve	Economy.

North quick-connect couplers and air supply hoses must be ordered separately.

\* Tyvek is a Registered Trademark of DuPont.

**NIOSH Approval number TC-19C-109, TC-19C-217, TC-19C-340, TC-19C-341.**

## NORTH FULL FACEPIECE CONTINUOUS FLOW AIRLINE RESPIRATORS 85200 & 85210 SERIES

North full facepiece Type C continuous flow supplied air respirators provide both respiratory and eye protection against most gases, vapors and particulates for extended periods of time.

The 85200 Series features an adjustable belt-mounted control valve that allows the worker to obtain the air flow desired to keep cool and comfortable. The 85210 Series is identical to the 85200 Series, except that the belt-mounted flow control valve has been eliminated. Instead, the flow is fixed by an orifice bushing, requiring the user to adjust air flow by changing the air pressure at the source. This feature offers economy without compromising worker safety.



**Model 85201**  
(Shown with Adjustable Flow Control)

## NORTH COMBINATION AIR-PURIFYING AND AIRLINE RESPIRATORS 7800 SERIES



The 7800 Series is comprised of a continuous flow supplied air respirator equipped with cartridges and/or filters. Two models are available with either belt mounted control valves or a fixed flow.



Features	Benefits
✦ Silicone full facepiece	Soft, pliable, comfortable to wear.
✦ Dual flange	Inner/outer sealing flange for superior fit characteristics.
✦ Oral/nasal cup standard equipment.	Reduces fogging, lessens "dead-air" space.
✦ Speaking diaphragm standard equipment	Offers clear communication when needed.
✦ Two facepiece sizes, small & medium/large	Comfortable fit for the largest number of respirator wearers.
✦ 5 strap head harness	Facepiece-to-face seal is effectively and comfortably maintained.
✦ Hard coated polycarbonate lens	Excellent optics. Scratch and impact resistant. Meets impact and penetration requirements of ANSI Z87.1-1989.
✦ Wraparound lens	Provides over 200° field of vision. Anti-claustrophobic design.
✦ Welding attachment available	Respirator is more versatile than ever. Eliminates need for a welding helmet.
✦ Some components are interchangeable between these & other North continuous flow airline respirators & cartridge respirators	Minimizes replacement parts and inventory levels.

North continuous flow respirators are also available with a welding attachment. Order as part of a complete respirator or as a kit to convert existing facepieces.

North quick-connect couplers and air supply hoses must be ordered separately.  
**85200 & 85210 Series NIOSH Approval numbers TC-19C-110, TC-19C-204, TC-19C-342, TC-19C-343.**

**7800 Series NIOSH Approval numbers TC-84C-624, TC-84A-625, TC-84A-665, TC-84A-666.**



# NORTH AIRLINE RESPIRATORS

The 85300 Series Airline Hoods are Type C, continuous flow, airline respirators. The product features a noise dampening muffler assembly and a ratchet headgear assembly. The breathing tube is non-kinking to reduce the chance of collapse or air restriction. Hoods are available in Tyvek®\* fabric and Saranex®\*\* coated Tyvek. Both hoods are available in two configurations, regular and extended bib.

The 85300 Series assures the wearer superior comfort, clear vision, and excellent mobility.



Model 85301TB

## NORTH VORTEX TUBE FOR 85300 HOODS



Vortex Tube



Features	Benefits
✦ Quality headgear with ratchet adjustment	Easy adjustment for personal comfort and fit.
✦ Complete head and facial coverage with downward air flow	Easily fits over mustaches, beards, sideburns, long hair and eye glasses.
✦ Disposable hood and peel-away cover lenses	Reduce cleaning and maintenance costs.
✦ Non-fogging with wide field of view	Clear view of the work zone.
✦ Lightweight and quiet	Greater comfort encourages better worker acceptance and higher productivity.
✦ Self-adjusting collar	Assures proper fit, reduces possibility of human error.
✦ Non-kinking breathing tube	Reduces chance of collapse and air restriction.

NIOSH Approval numbers TC-19C-332, TC-19C-334, TC-19C-369, TC-19C-370, TC-19C-373, TC-19C-374.

This accessory provides greater comfort to the worker by cooling or warming the breathing air. It is color coded and simple to use. Just determine which option is preferred, warm air (red) or cool air (blue), and locate that color closest to the respirator muffler assembly when connecting the two assemblies. Air temperature can be adjusted to warm or cool plus or minus 30°F. The vortex tube comes preassembled with couplers.

Features	Benefits
✦ Color coded	Ease of use; less chance of human error.
✦ Warms or cools air	Provides greater comfort level for worker, increases worker productivity.
✦ Durable	Low maintenance. Reliable.

North quick-connect couplers and air supply hoses must be ordered separately.

\* Tyvek is a Registered Trademark of DuPont Company.

\*\* Saranex is a Registered Trademark of Dow Chemical.