

North® RU8500 Series Half Masks

The RU8500 Series is a silicone half mask compatible with the North N-Series cartridges and filters. The half mask has a speech diaphragm for improved voice clarity and is available in three sizes and three colors. It is also available with either a standard industrial exhalation valve cover or a diverter exhalation valve cover.

Protection Type

When used with the appropriate filters, cartridges or filter/cartridge combinations, the North RU8500 is an air-purifying respirator for protection from particulates, gases or vapors, or any combination of particulates, gases and vapors.

Do not use the RU8500 respirator in environments that are Immediately Dangerous to Life or Health (IDLH) or where the oxygen level is less than 19.5% volume at sea level.

Certifications

The North RU8500 is currently NIOSH approved as an air-purifying respirator and also as a continuous flow supplied air respirator (CF-SAR). For detailed information on the RU8500/CF-SAR configuration, see Technical Data Sheet for the Honeywell CF2000 Series. NIOSH Approval as a Powered Air-Purifying Respirator (PAPR) is pending.

Assigned Protection Factors

In Air Purifying Respirator (APR) mode	10
In CF-SAR mode	50
In PAPR mode (pending NIOSH approval)	50

Major Components

Cartridge and Center Port Connections

The RU8500 includes two cartridge connections, one on each side and the threaded cartridge connections are compatible with all North N-Series cartridges and filters.

Optional Diverter Exhalation Valve Cover

The RU8500 Series is available with an optional diverter exhalation valve cover. The diverter valve directs a worker's exhaled breath, including moisture droplets, away from the work area and down towards the worker's body. It also provides additional protection from work area splash entering the nose cup during exhalation, when the valve is open.



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North RU8500 Series Half Masks

Ordering Information – RU8500 Half Masks

Part Number	Description	Part Number	Description
<u>RU8500 with Standard Exhalation Valve Cover</u>		<u>RU8500 with Splash Exhalation Valve Cover</u>	
RU85001S	Half mask, blue, small	RU85004S	Half mask, blue, small
RU85001M	Half mask, blue, medium	RU85004M	Half mask, blue, medium
RU85001L	Half mask, blue, large	RU85004L	Half mask, blue, large
RU85002S	Half mask, green, small	RU85005S	Half mask, green, small
RU85002M	Half mask, green, medium	RU85005M	Half mask, green, medium
RU85002L	Half mask, green, large	RU85005L	Half mask, green, large
RU85003S	Half mask, lilac, small	RU85006S	Half mask, lilac, small
RU85003M	Half mask, lilac, medium	RU85006M	Half mask, lilac, medium
RU85003L	Half mask, lilac, large	RU85006L	Half mask, lilac, large

Ordering Information – Filters and Cartridges

Part Number	Description
<u>Cartridges</u>	
N75001L	Organic vapor cartridges (Pair)
N75002L	Acid gas (chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride, chlorine dioxide) and formaldehyde cartridges (Pair)
N75003L	Organic vapor and acid gas (chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride, chlorine dioxide) Cartridges (Pair)
N75004L	Ammonia and methylamine cartridges (Pair)
N750052L	Mercury vapor and chlorine cartridges with End-of-Service-Life Indicator (ESLI) for mercury vapor (Pair)
75SCL	Defender®: Organic vapor, acid gas (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide, hydrogen fluoride, chlorine dioxide), ammonia, methylamine and formaldehyde cartridge (Pair)

Cartridge/Filter Combinations

7581P100L	Organic vapor and P100 cartridge/filter combination (Pair)
7582P100L	Acid gas (chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride, chlorine dioxide), formaldehyde and P100 cartridge/filter combination (Pair)
7583P100L	Organic vapor, acid gas (chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride, chlorine dioxide) and P100 cartridge/filter combination (Pair)
7584P100L	Ammonia, methylamine and P100 cartridge/filter combination (Pair)
75852P100L	Mercury vapor, chlorine and P100 cartridge/filter combination with End-of-Service-Life Indicator (ESLI) for mercury vapor (Pair)
75SCP100L	Defender®: Organic vapor, acid gas (chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide, hydrogen fluoride, chlorine dioxide), ammonia, methylamine, formaldehyde and P100 cartridge/filter combination (Pair)

Filters

7580P100	P100 Filter for protection from all particulates (Pair)
75FFP100	Flexible P100 Filter for protection from all particulates (50/Pk)
75FFP100NL	Flexible P100 Filter for protection from all particulates, with odor relief from nuisance levels of Organic Vapors, Acid Gases and ozone (50/Pk)
7506N95	N95 filters for protection from particulates where no oil based aerosols are present (10/pk)
7506N99	N99 filters for protection from particulates where no oil based aerosols are present (10/pk)
7506R95	R95 filters for protection from particulates including where oil based aerosols may be present (10/pk)

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Cartridge and Filter Accessories

N750029	Shower Cap for 7580P100 and gas/vapor P100 cartridge/filter combinations. Protects filters from water spray during abatement and decontamination; plus sparks and slag during welding and grinding operations (each)
N750035	Adapter for 75FFP100 and 75FFP100NL filters. Attaches filter for gas and vapor cartridges
N750036	Filter Retainer for 7506N95, 7506N99 and 7506R95 filters when used with gas and vapor cartridges. (Pair)
N750037	Filter Retainer for 7506N95, 7506N99 and 7506R95 filters when filters are attached directly on facepiece. (Pair)

Accessories

Part Number	Description
7003	Respirator refresher wipe pads, with alcohol. 5" x 7" towelettes (100/bx)
7003A	Respirator refresher wipe pads, alcohol free. 5" x 7" towelettes (100/bx)
140082	Respirator refresher wipe pads, with alcohol, dispenser canister (200 wipes per canister)
80995	Cleaner and disinfectant for respirator facepieces. 10 oz bottle (not available in Canada)
770021	Fit test adapter for quantitative fit testing

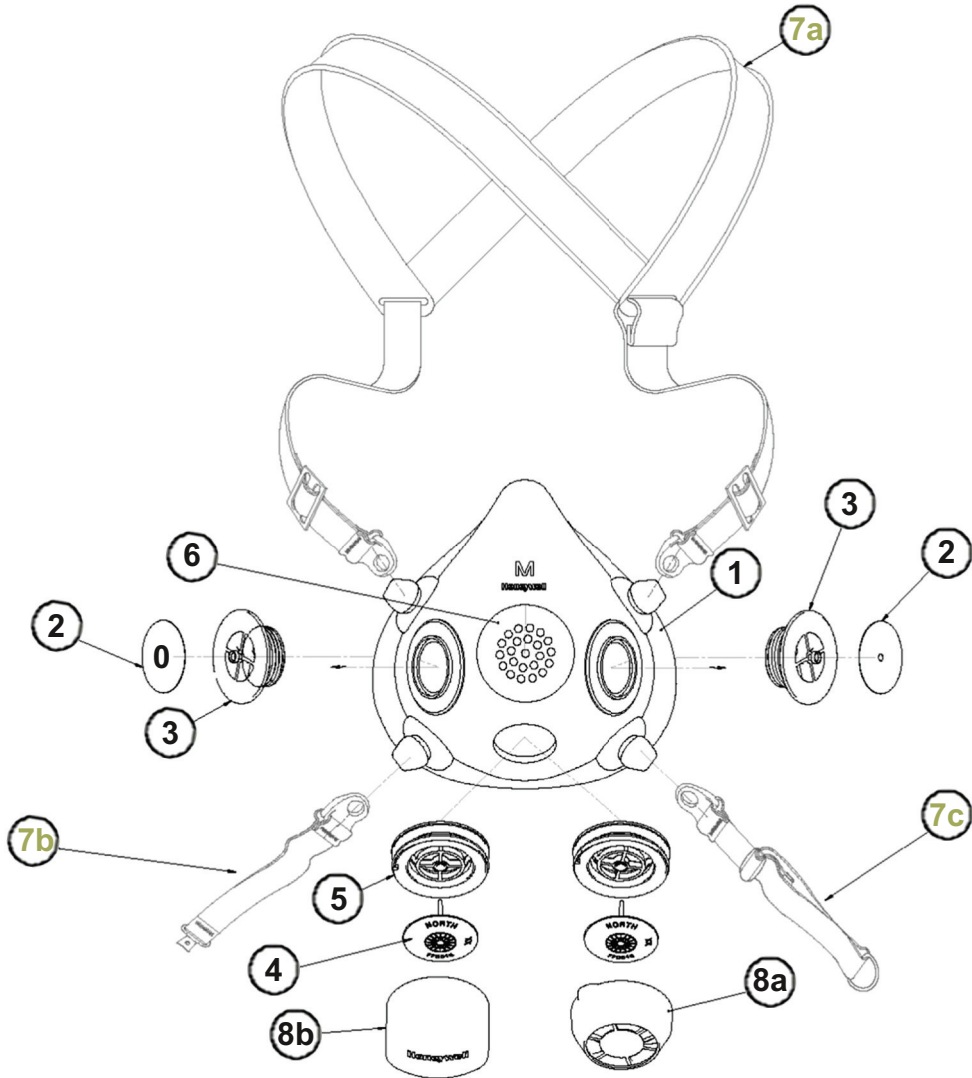
Replacement Parts and Composition

Part Number	Description	Composition
770016	Cartridge connector, threaded	Plastic
770017	Inhalation valve	Silicone
770018	Exhalation valve flap	Silicone
770019	Exhalation valve seat	Plastic
770020	Exhalation valve guard	Plastic
805015	Exhalation splash guard	Plastic
805016-H5	Speaking diaphragm assembly	Plastic/KAPTAN
RP140041	Headband cradle assembly	Plastic
RP140042	Headband, bottom, right	Elastic
RP140048	Headband, bottom left	Elastic

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Replacement Parts Diagram

Diagram Number	Part Number	Description	Composition
1	Various	Nose Cup	Silicone
2	770017	Inhalation valve	Silicone
3	770016	Cartridge connector, threaded	Plastic
4	770018	Exhalation valve flap	Silicone
5	770019	Exhalation valve seat	Plastic
6	805016-H5	Speech diaphragm assembly	Plastic/KAPTON®
7a	RP140041	Headband cradle assembly	Plastic
7b	RP140042	Headband, bottom right	Elastic
7c	RP140048	Headband, bottom left	Elastic
8a	770020	Exhalation valve guard	Plastic
8b	805015	Exhalation splash guard	Plastic



North RU8500 Series Half Masks

Product Weights & Dimensions

Each unit contains one (1) mask, user instructions, resealable bag, and chipboard box.

Part Number	Length	Width	Height	Weight
RU85001S	4.48" (11.38 cm)	4.13" (10.49 cm)	5.94" (15.09 cm)	.47 lb (.21 kg)
RU85001M	4.94" (12.55 cm)	4.70" (11.94 cm)	2.84" (7.21 cm)	.52 lb (.24 kg)
RU85001L	5.23" (13.28 cm)	4.60" (11.68 cm)	2.74" (6.96 cm)	.55 lb (.25 kg)

Shipping Weights & Dimensions

Shipping carton includes 12 units.

Part Number	Length	Width	Height
RU85001S	14.75" (37.47 cm)	11.25" (28.58 cm)	10.88" (27.63 cm)
RU85001M	14.75" (37.47 cm)	11.25" (28.58 cm)	10.88" (27.63 cm)
RU85001L	14.75" (37.47 cm)	11.25" (28.58 cm)	10.88" (27.63 cm)

Country of Origin

Mexico

Limited Warranty

Honeywell Safety Products warrants the RU8500 Series Half Mask to the original owner to be free from defects in materials and workmanship for a period of one (1) year from the date of original shipment from Honeywell's factory. Honeywell's obligation under this limited warranty will be, at Honeywell's option, to repair or replace without charge the RU8500 Series Half Mask or any of its components found by Honeywell to have been defective during the limited warranty period, under the following terms:

1. The warranty claim is made (i) by the owner who purchased the RU8500 Series Half Mask new from Honeywell or an authorized Honeywell Distributor, and (ii) not more than three (3) months after the end of the limited warranty period.
2. The RU8500 Series Half Mask or component is found by Honeywell to have been defective in normal use and service during the limited warranty period of one (1) year from the date of purchase by the original owner.
3. The RU8500 Series Half Mask or component is returned freight prepaid to Honeywell, either to its factory or to a Honeywell authorized service center, and is thereafter returned to the owner freight collect.
4. This limited warranty does not apply to (i) any RU8500 Series Half Mask or component found by Honeywell to have become defective as a result of any accident, alteration, misuse, abuse, or servicing with parts not approved by Honeywell; (ii) deterioration or aging of any component made of rubber or other elastomer since such components can be adversely affected by undue exposure to heat, sun, water, chemicals, ozone or other deteriorating elements; or (iii) facepiece lens, compressed-air cylinders and parts that become defective through normal use. The decision as to what constitutes normal use shall be made solely by HONEYWELL SAFETY PRODUCTS.
5. To maintain this limited warranty, the purchaser must perform maintenance and inspections as set forth in this Operating and Maintenance Instruction Manual for this product which shall include prompt replacement or repair of defective parts, and replacement of parts per the maintenance schedule as set forth in such instructions.