

Dentec Safety Specialists Respiratory Protection  
Comfort-Air®Nx Series



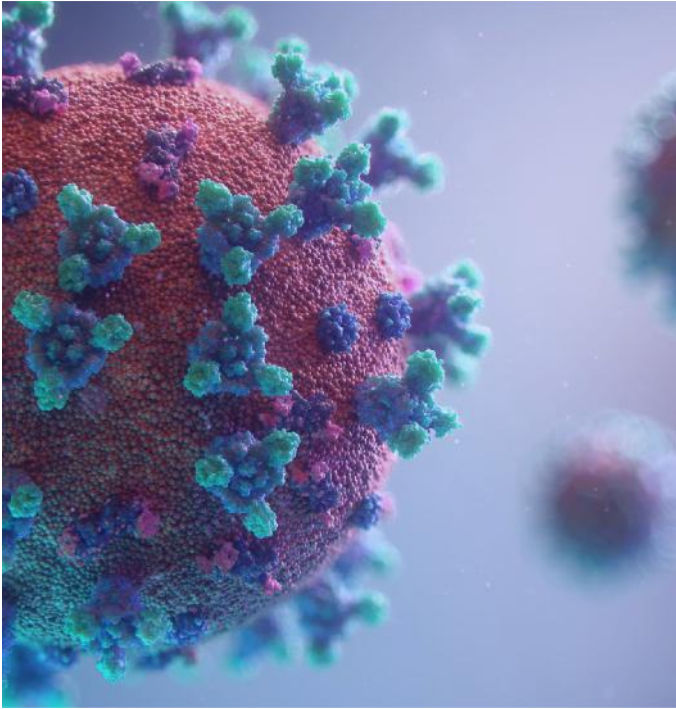
## PROTECTING THOSE THAT PROTECT US

Made for EMS & First Responders,  
Designed by the Safety Specialists.

Comfort-AirNxMD Respirators

Superior Protection, Greater Comfort, and Environmentally Sustainable.

[www.dentecsafety.com](http://www.dentecsafety.com)



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## PANDEMIC

COVID-19 has been unlike any pandemic our generation has experienced. It effected not only our health but our supply of critical PPE and most importantly respirators. Due to North America's dependency on foreign supply of disposable N95 respirators, many workers contracted the virus and died as a result. CDC reported not to use respirator protection with an exhalation valve as it allows the air to exit the mask.

Our goal was to develop a respirator that was reusable, safer, more comfortable and more economical than disposable respirators.

We developed the Comfort-Air® Nx Series - a reusable elastomeric rubber respirator without an exhalation valve.

Comfort-Air®Nx Series respirators can be used in healthcare applications as well as general industry or wherever a group of workers of any type have to work in close proximity.

Our unique patent pending design is manufactured and assembled in our factory located in Lenexa, Kansas.

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# JAMA STUDY: EHMR VS FFR DURING CPR

A recent study approved by the University of Virginia Institutional Review Board for Health Sciences Research examined the Effectiveness of Elastomeric Half-Mask Respirators vs N95 Filtering Facepiece Respirators During Simulated Resuscitation and concluded that FFR fit during CPR is poor and that EMHRs provide superior fit, confirming previous research. 36 participants that were fitted with EMHR had 0% fit failure. 28% of those fitted with a FFR had a fit failure.

They chose to evaluate fit during CPR because it is highly aerosolizing, physically strenuous, and has been associated with occupational transmission.

Participants were recruited from wards that cared for patients with coronavirus disease 2019 (COVID-19). All participants had previously completed a National Institute for Occupational Safety and Health-approved fit test, had been assigned a model of EHMR or FFR for use, and had used recently their assigned model of respirator. At that institution, disposable FFRs are used for a single patient care session, captured for inspection and reprocessing, returned for reuse up to 6 times, and then discarded.



Each participant performed chest compressions on a mannequin while denatonium benzoate was aerosolized into a fit-testing hood and while wearing their assigned model of EHMR or FFR. Testing was stopped after 2 minutes or when the participant reported detection of the agent. The primary end point was detection of the test agent indicating poor respiratory fit. The secondary end point was the time to detection of the agent.

Check out the [FULL ARTICLE HERE](#).



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# COMFORT-AIR®NXMD ELASTOMERIC RUBBER REUSABLE RESPIRATOR WITHOUT AN EXHALATION VALVE:



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## SAFER!

- No exhalation valve- two way filtration protecting the patient and the healthcare workers and/ or co-workers.
- Prevents contamination of product that is being manufactured; pharmaceutical, food processing, etc.
- Compact design reduces interference with other medical equipment. Excellent visibility!
- N95 & P100 replacement filters.
- N95 has unique cover/ holder that can be disinfected and reused or disposed of.
- NIOSH testing proved that Comfort-Air Nx series respirators have lower breathing resistance than disposable respirators, when you inhale and exhale.
- Occupies less area of the face while still providing an airtight seal.
- Can conduct seal check each time you wear the mask.



### MADE IN THE USA!

Our unique patent pending design is manufactured and assembled in our factory located in Lenexa, Kansas.

**NIOSH APPROVED**







## COMFORT

- Unique elastomeric rubber formulation is soft to the skin yet durable.
- Two sizes ensures that the worker is properly fitted and comfortable.
- Less heat build up inside the mask VS disposable respirators.
- 8 Point Adjustment suspension allows user to obtain a proper and comfortable fit with pony tails or hair buns worn under bouffant covers.



## UNIQUE DESIGN

- ▷ Low profile facepiece occupies less of the face while providing greater comfort.
- ▷ Compact shape and cartridges reduces possibility of interference with medical equipment during patient care.
- ▷ Cartridges can be adjusted into 3 different positions- improves visibility & fits under face shields.
- ▷ Will not fog glasses, goggles or visors.
- ▷ Replacement parts. Reduced filter replacement- less waste!



# 400NX SERIES HALF MASKS

## 400NxMD White Mask Elastomeric Rubber (Without Filters)

- 400NXMD-SM – Small / Medium
- 400NXMD-ML – Medium / Large

## 400NxMD White Mask Elastomeric Rubber with Filter Holder & Cover

- 4-NXMD-SM-NF – Small / Medium
- 4-NXMD-ML-NF – Medium / Large



## 400NxMD White Mask Elastomeric Rubber with N95 Filters, Cover & Holder

- 4-SM-NXMD-N95 – Small / Medium
- 4-ML-NXMD-N95 – Medium / Large

## 400NxMD White Mask Elastomeric Rubber with P100 Cartridges

- 4-SM-NXMD-LP0 – Small / Medium
- 4-ML-NXMD-LP0 – Medium / Large



## 400Nx Black Mask Elastomeric Rubber (without Filters)

- 400NX-SM – Small / Medium
- 400NX-ML – Medium / Large

## 400Nx Black Mask Elastomeric Rubber with N95 Filters, Cover & Holder

- 4-SMNX-N95 – Small / Medium
- 4-MLNX-N95 – Medium / Large

## 400Nx Black Mask Elastomeric Rubber with P100 Cartridges

- 4-SM-NX-LP0 – Small / Medium
- 4-ML-NX-LP0 – Medium / Large

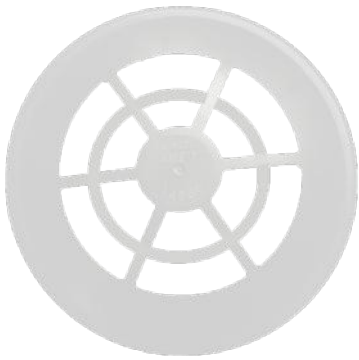


## Half Mask Harness Assembly

- 16132B12 – 12 / box

## Inhalation/Exhalation Cartridge Connector

- 8321 – 2 / pack



# N95 FILTERS – FILTER ASSEMBLY & P100 CARTRIDGES

**158-T-51DN520 - 20 pair/box - NxMD White Filter Cover & Holder Assembled with N95 Filters**

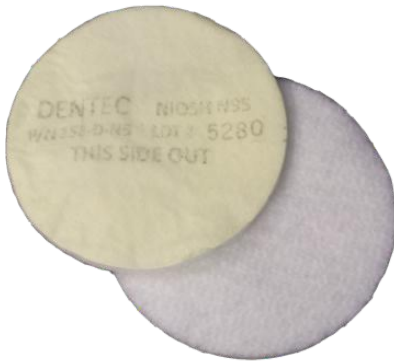
**14668WSET - 4 pair/box NxMD White Filter Cover & Holder (No Filter)**

## **NxMD White Filter Cover**

- 14668W6 – 6 / pack
- 14668WB350 – 350 / box

## **NxMD White Filter Holder**

- 14880W6 – 6 / pack
- 14880WB350 – 350 / box



**158-T-52DN520 - 20 pair/ box - Nx Black Filter Cover & Holder Assembled with N95 Filters**

**14668BSET - 4 pair/box - Nx Black Filter Cover & Holder (No Filter)**

## **Nx Black Filter Cover**

- 14668B6 – 6 / pack
- 14668BB350 – 350 / box

## **Nx Black Filter Holder**

- 14880 – 6/pack
- 14880B350 – 350 / box

## **N95 Filter Pad**

- 158DN5 – 16 / box
- 158DN5100 – 100 / box
- 158DN51000 – 100 / box

## **P100 Cartridge**

- 158LP0 – 3 pair / box
- 158LP0B100 – 50 pair / case



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# A SAFER & HEALTHIER SOLUTION FOR THE ENVIRONMENT AND YOUR BOTTOM LINE!

## At the average cost of \$2.00 per mask, what are disposable N95 Respirators really costing you AND the environment?

The FDA now mandates that Medical & Healthcare Professionals are required to dispose of FFR's after each patient interaction. If just one Healthcare Professional sees a minimum of 5 patients a day, that's 5 disposable respirators a day that get tossed in the waste after each use. Now think about all the staff in dental clinic, medical lab or in a hospital that require N95's and that number quickly multiplies.



The NEW Comfort-Air®NxMD Reusable Respirator WITHOUT an exhalation valve has proven a 95% in Waste Reduction and a 90% Reduction in Costs spent on NIOSH approved respirators! According to the CDC Guidelines on Reusable Elastomeric Respirators in healthcare, the Comfort-Air®NxMD Series Respirator Filter can last up to a year when disinfected in accordance with the guidelines.

## DO THE MATH!

The costs associated with disposable respirators VS the price of just 1 Comfort-Air®NxMD Reusable Respirator piles up just as quickly and high as the amount of N95 waste being sent to landfill. Not to mention your waste hauling fees.





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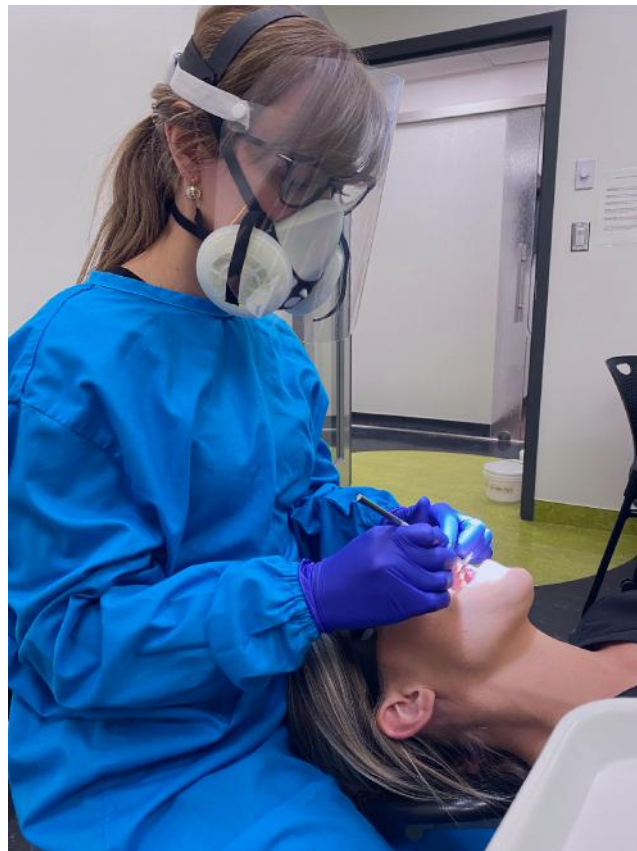
# PROTECTING THOSE THAT PROTECT US

Learn why more and more Dentists & Healthcare Professionals are converting to this safer and more sustainable option:

According to Dr. O'Toole

*"One of the biggest issues I had when using other N95 masks, was the beak on them. As an Orthodontist, I am constantly looking down on my patients, and I just couldn't see! The other respirators completely obstructed my view. In dentistry, if you want your back to last your career, posture is important.*

*The Comfort-Air®NxMD's design is sleek and the filters are more centralized so it fits comfortable under a visor. The other reusable respirators I had tried were more obtrusive and the cartridges just didn't last as long (plus you can't get them as they are sequestered for the States). The cartridges for the NEW Comfort Air last much longer, up to 3 months before I have to change them!"*



**"ENVIRONMENTALLY, THE HEALTHCARE INDUSTRY MUST MOVE THIS WAY TOWARDS REUSABLE RESPIRATORS LIKE THE COMFORT-AIR®NXMD. IT DOESN'T MAKE SENSE WITH THE SHEER VOLUME OF WASTE FROM DISPOSABLE MASKS, WE CAN'T KEEP DOING THIS. WE HAVE A MORAL RESPONSIBILITY TO MAKE A SHIFT."**





# PROTECT WITH DENTEC

