



Reusable Respirators for Dental and Healthcare Professionals

Protecting Those That Protect Us

WWW.DENTECSAFETY.COM



Two Operations Serving North America

Dentec Safety Specialist's mission is to provide safety solutions using a specialized approach and products.

We are a Canadian Owned and Operated family run business with over 40 years experience in the Safety Industry and Distribution.

- **Head Office- Newmarket, Ontario Canada**
 - Full PPE and First Aid Product offering serving the Canadian Market
- **USA- Lenexa, Kansas**
 - Two facilities – one dedicated to Manufacturing and the other to packaging, warehousing and distribution for respiratory and face protection products.
 - Full line of eye and face protection products.
 - Adding NEW Product Categories



COVID & PPE Shortages



Severe supply chain challenges through first waves of pandemic:

Dentec was contacted by thousands of businesses and individuals desperate for protection. Received countless requests from dentists and other HCW's who couldn't source appropriate protection for employees

- PPE shortages lead to high infection rates amongst HCW's, Canada has one of the highest rates globally
- PPE shortages still exist, cases continue to climb!
- 1.79M Cases in Canada, 29,700 Deaths as of December 1, 2021

The Problem with Disposable N95 Respirators

- Supply chain challenges unable to keep up with demand
- Fog prescription and safety glasses
- Causes face rash, skin irritation and acne
- Very difficult to conduct fit check
- Prices spiked 10–15x and remain elevated
- **Create massive environmental impact and waste**
- Lack of consistent supply results in multiple fit-tests
- Dentec saw how people were frantic for protection and said **“We can do better for our community and our planet”**





The Risks Continue

Alpha, Beta, Gamma, Delta...Omicron!

- New Delta Variant is transmitting 40-50% faster than other variants. Omicron potentially worse!
- The World Health Organization reports potentially vaccine resistant.
- Experts warn MORE new variants to come.
- Building immunity after vaccine “typically takes a few weeks”- CDC

“That means it’s possible a person could get infected with the virus that causes COVID-19 just before or after vaccination and still get sick.”

Respirators Without an Exhalation Valve



GUIDELINES

Elastomeric Respirators: Strategies During Conventional & Surge Demand Situations

October 13, 2020:

CDC Recommends the use of Respirators WITHOUT AN EXHALATION VALVE to be used by Healthcare & Front-Line Workers to Protect the Patient and the Worker

May 27th, 2021:



FDA Recommends Transition from Use of Non-NIOSH-Approved and Decontaminated Disposable Respirators - Letter to Health Care Personnel and Facilities.

- Transition away from a crisis capacity strategy for respirators, such as use of non-NIOSH approved respirators and decontamination of N95 and other FFRs.
- Increase inventory of available NIOSH-approved respirators, including:
 - **Elastomeric respirators, including new elastomeric respirators without an exhalation valve** N95s and other FFRs

ODA Approved, RCDSO Accepted!

Announcement sent out by ODA August 27, 2021

Eco-friendly Reusable Respirator Options from International Safety

The environmental impact of disposable N95 respirators is a big concern when choosing PPE. International Safety is now offering greener alternatives that produce less landfill while maintaining the safety level you need. Introducing **The Dentec™ Air-Purifying Reusable Respirator without exhalation valve** and the **MSA Advantage® 290 LS half-mask respirator without an exhalation valve**. By using these respirators with long-term N95 filters, you will use fewer filters, reduce your contribution to the landfill and lower your waste disposal costs. These NIOSH-approved half-mask respirators offer excellent comfort and protection.

The Dentec™ respirator is available in small-medium and medium-large. The MSA Advantage® 290 LS is available in small, medium and large.

Visit the [International Safety](#) section in the Member Discount Program PPE Vendors page to learn more and order.

Ontario Dental Association
4 New Street, Toronto, Ontario M5R 1P6
416-922-3900 | 1-800-387-1393
www.oda.ca

WWW.DENTECSAFETY.COM





INTRODUCING: Comfort-Air NxMD

Designed for:

- Healthcare
- Dental
- Frontline workers
- EMS
- Chiropractic
- Optometry
- Pharmaceutical
- Biotech
- Food processing



COMFORT[®]
AIR NxMD



COMFORT[®]
AIR NX MD

- Two-way filtration, purifies the air when you breathe in and out
- Reduced breathing resistance
- No inhalation valve diaphragm
- Oversized inhalation/exhalation port
- Superior protection
- Seriously comfortable



LOW PROFILE

- Compact design provides greater field of vision
- Accommodates Loupes
- Reduces possibility of interference with other patient treatment equipment
- Occupies less area of the face while still providing an airtight seal
- Allows you to work upright, saves your back!



Hypoallergenic Material - Two Sizes

- Will not cause skin reaction or irritation.
- Feels comfortable on the skin vs disposable respirators.
- Easy to clean and disinfect (Multiple cleaning and disinfection options. Contact Dentec for details)



SMALL / MEDIUM



MEDIUM / LARGE

- Anatomically shaped design meets NIOSH approvals for sizing requirements
- Airtight fitting seal ensures:
 - More comfortable fit on a wider variety of users
 - Proper fit providing superior protection each time user don's the respirator





NIOSH APPROVED

- NIOSH approved N95 and P100.
- Recommended by CDC and Health Canada to protect against viruses.
- User or patient cannot touch the filter when in use
- Protects the filter from the elements – less direct contact to the filter from bodily fluids or physical damage.
- Easy to disinfect.. Wipe the filter housing without touching the filter.
- Extends filter life reducing costs & waste.
- CDC states **filter can last up to a year in healthcare applications** when disinfected properly. (Elastomeric Respirators: Strategies During Conventional and Surge Demand Situations Conventional, Contingency, and Crisis Strategies Oct 13, 2020)





Reduced Waste & Waste Hauling Costs

- Globally, 129 billion disposable face masks are thrown into landfill every month totaling 1.538 trillion annually, according to a study by University of Southern Denmark researchers.
(https://www.roadrunnerwm.com/blog/impact-of-ppe-waste?hs_amp=true)
- Plastics in disposable masks can take up to 450 years to break down.
- Experts say tested masks are vital in areas with a high risk of COVID-19 transmission.
- According to research into our waste footprint, an estimated 1.6 million tons of plastic waste has been generated worldwide every day since the start of the pandemic.

Disposable N95s VS Comfort-AirNxMD

- 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 per person get tossed in the trash. Now think about all the staff in dental clinic, medical lab or in a hospital that require N95's, the number quickly multiplies



VS.



ONE DAY

5

DISPOSABLES



\$10/ PERSON



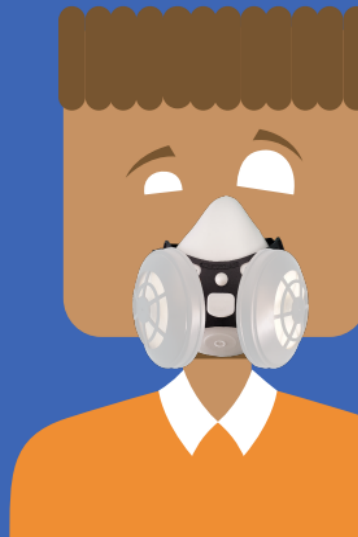
ONE WEEK

25

DISPOSABLES



\$50/ PERSON



100
DISPOSABLES



ONE MONTH

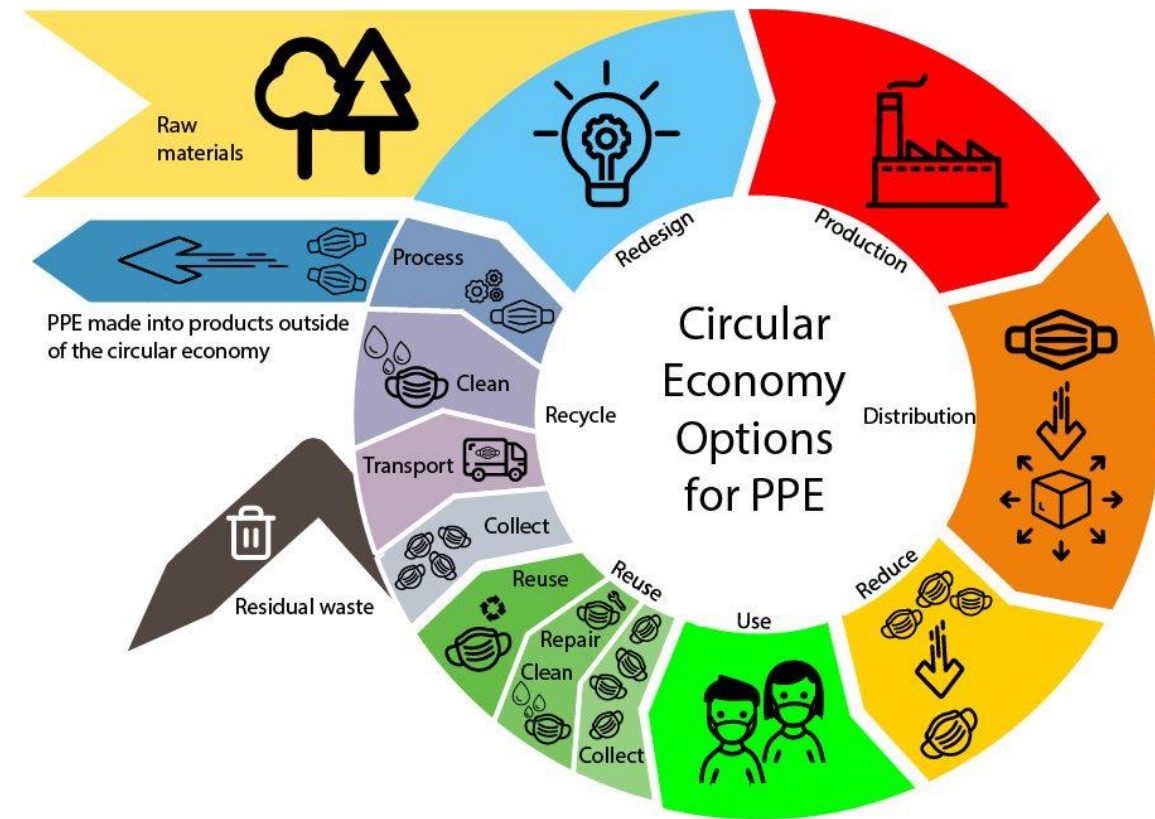
\$200/ PERSON



Circular Economy of PPE

Reusable Elastomeric Respirators Reduce Landfill by >90%

- Current estimates show roughly 91% of all plastics produced end up in landfill
- By converting to reusable PPE options, you can move up the Circular Economy and Reduce, Reuse and Recycle!
- Disposable 3-Ply Masks and N95's take approximately 450 Years to Breakdown.





Protecting Those That Protect Us!

- Safer and More Comfortable
- Sustainable Design
- Less Waste, Less Cost!
- NIOSH Approved
- Made in the USA
- Easy to Stockpile, Available when you need it!



Thank you for Listening!

If you'd like to learn more: <https://shopdentecsafety.com/>

Email: craig@dentecsafety.com , Phone: 905-953-9946



COMFORT[®]
AIR N^{MD}
X

WWW.DENTECSAFETY.COM

