



PERSONAL PROTECTION



FOR FLOOD DISASTER PREPAREDNESS



"Don't let it become a second disaster for your business!"

Comfort-Air® Reusable Respirators To Protect Against Mold, Mildew And Other Respiratory Risks Associated With Flood Relief Clean-up.

PROTECT WITH DENTEC

www.dentecsafety.com

Stay Safe, Be PREPARED

According to the Water Quality & Health Council:

"In addition to wiping out roads and buildings, massive flooding such as that seen in Colorado this summer can result in unanticipated hazards from tainted floodwaters. The problem arises when pathogen-laden wastewater and fecal material from animals mingles with floodwater. Disease risks from exposure to waterborne germs carried by floodwater include dysentery and hepatitis as well as skin infection, eye infections and respiratory disorders."

Reduce your risk of respiratory illness during flood relief clean-up and wear high-grade NIOSH approved respiratory protection like Dentec's Comfort-Air® Series.

PROTECT WITH DENTEC





Extreme Weather Conditions

In 2021, the U.S. experienced 20 separate billion-dollar weather and climate disasters, putting 2021 in second place for the most disasters in a calendar year, behind the record 22 separate billion-dollar events in 2020. The emotional and financial toll that extreme weather takes on individuals and businesses takes years to overcome, and it is critical to prepare to rebuild and in doing so protect those working in these environments.

As a result, there are many hazards caused by floods that will require the use of personal protective equipment including the need for respiratory protection. The most common hazard that clean up personnel will be dealing with is mold and mildew caused by the water. Over a relatively short period of time, mold and mildew will start to develop especially as the temperature and humidity rises.

The Occupational Safety and Health Administration (OSHA) has not set a Permissible Exposure Limit (PEL) for mold and does not provide detailed guidelines on personal protective equipment (PPE) that should be used.

The U.S. Environmental Protection Agency (EPA - www.epa.gov) and the New York City Department of Health (NYCDOH - www.nyc.gov/html/doh/home.html) have published recommendations on selecting respirators for mold remediation activities based upon the size of the contaminated area.

The Hazard MOLD

Mold in buildings can be a costly and a dangerous problem, particularly when infestations of toxic black mold occur. The symptoms and health effects of black mold exposure and black mold poisoning cover a wide range of health problems, but understanding the indicators can help keep you safe.

Toxic black mold, or *Stachybotrys chartarum*, as it's known to scientists, can release spores as it feeds on organic materials in common household materials like drywall, carpet, insulation or sub-flooring that have been exposed to moisture. These spores, if ingested or inhaled, can cause a range of unpleasant and even dangerous symptoms in humans.

The most common black mold symptoms and health effects are associated with a respiratory response. Chronic coughing and sneezing, irritation to the eyes, mucus membranes of the nose and throat, rashes, chronic fatigue and persistent headaches can all be symptomatic of black mold exposure or black mold poisoning.

In particularly severe cases of prolonged exposure, black mold health effects can be more dangerous. Often compounded by allergic reaction to the black mold spores, these symptoms can include nausea, vomiting, and bleeding in the lungs and nose.

Toxic black mold can be costly to remove, and black mold exposure and black mold poisoning can cause a wide range of health problems, some of them severe.



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CAUTION

DISPOSABLE RESPIRATORS DO NOT PROVIDE AN EFFECTIVE SEAL WHEN REUSED

Although disposable respirators meet the OSHA requirements for respiratory protection where a half facepiece is needed, the challenge with any disposable respirator is the ability to conduct a proper fit check when entering the hazardous environment throughout the day once a fit test has been conducted.



NIOSH approved disposable respirators are unable to continue to provide an effective seal when reused. Consider when a worker who is fit tested on a particular style of N95 disposable respirator then goes to work. They have to shape the respirator each time they do it to try and secure a fit. Each time you shape the disposable respirator to fit around your nose, it reduces the integrity of the structural shape of the mask that prevents it from providing an effective seal. Two important studies were conducted to support this. *See next page* →

REUSABLE HALF MASKS

The use of a rubber style half mask with the appropriate filters will allow the individual to conduct a fit check every time they don the mask. This will ensure a proper fit and protection.



Comfort-Air® Series



CASE STUDY 1: 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.**

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

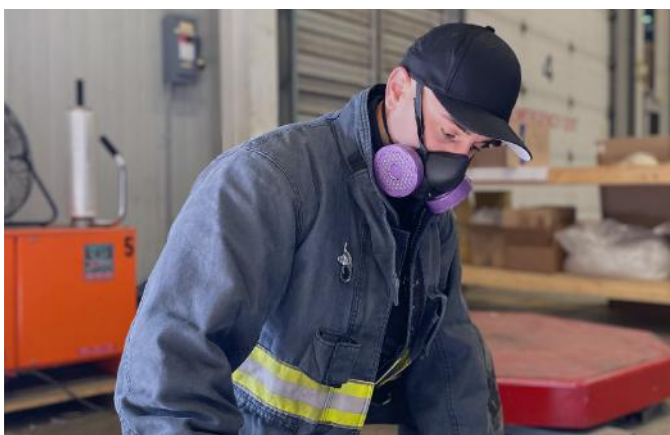


CASE STUDY 2: WEST J EMERG. MED

FAILURE RATES DURING REUSE OF DISPOSABLE N95S IN CLINICAL PRACTICE IN THE EMERGENCY DEPARTMENT

Conclusion: Disposable N95 masks have significant failure rates following reuse in clinical practice. Healthcare personnel also performed poorly in assessing the integrity of the seal of their disposable respirators.

[Failure Rates During Reuse of Disposable N95 Masks in Clinical Practice in the Emergency Department - PMC \(nih.gov\)](#)





COMFORT-AIR® RESPIRATORS

The Dentec Difference: Our Solution Will:

- Provide greater user comfort than any disposable respirator. Lower breathing resistance and less heat build up inside the mask ensures greater comfort and productivity.
- Superior Protection: All of our reusable half masks can be fit checked each time you don the mask and go to work. It is very difficult to conduct a negative or positive pressure seal check with disposable respirators. Our products ensure your employees are protected each and every time they put on their respirator.
- Believe it or not – using our reusable respirator solution can deliver savings because of our unique filter holder and cover. This allows the user to mount our filters or cartridges to any of our half or full-face masks. The filter cover protects the filter pad increasing the usable life span of the filter.
- Great comfort, better protection and less expensive... an unbeatable combination!

COMFORT
AIR®



MADE IN AMERICA

NIOSH APPROVED

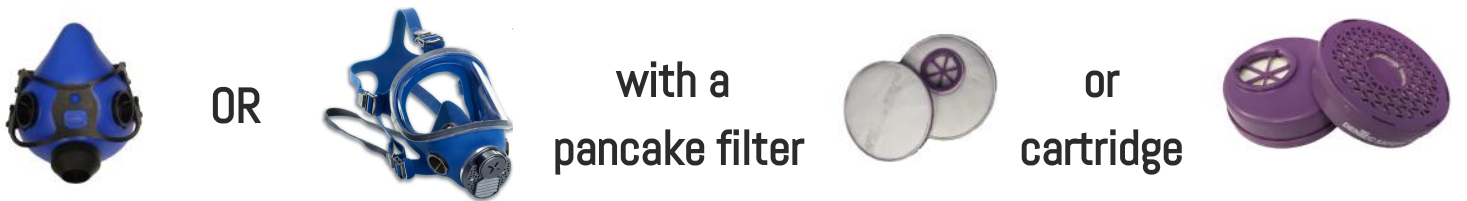


FLOOD RELIEF

YOUR BEST OPTION!

At a minimum, a half mask outfitted with a P100 style filter will ensure the user is properly protected as most areas will be in excess of 10 square feet. This will also simplify the selection process.

For areas between 10 and 100 square feet, either a half mask with non-vented face goggles, or full facepiece respirators with 100 level particulate filters should be used.



For areas greater than 100 square feet, full facepiece respirators with 100 level particle filters should be used.



MADE IN AMERICA


NIOSH APPROVED

COMFORT[®] AIR




A SAFER & MORE SUSTAINBLE SOLUTION


Comfort-Air Series 100 Half Mask

	Part No.	Description
	100-S-00 100-M-00 100-L-00	100 Silicone Rubber Facepiece Assembly, Small 100 Silicone Rubber Facepiece Assembly, Medium 100 Silicone Rubber Facepiece Assembly, Large


Comfort-Air Series 300 Half Mask

	Part No.	Description
	300-SM-00 300-ML-00	300 Thermoplastic Rubber Facepiece Assembly, Small/Medium 300 Thermoplastic Rubber Facepiece Assembly, Medium/Large

Comfort-Air Series 400 Half Mask

	Part No.	Description
	400-SM-00 400-ML-00	400 Elastomeric Low Maintenance Facepiece Assembly, Small/Medium 400 Elastomeric Low Maintenance Facepiece Assembly, Medium/Large

Comfort-Air Series 130M Full Facepiece

	Part No.	Description
	130M-0-00	130M Special Compression Silicone Full Facepiece Respirator with Neckstrap and Drawstring Nylon Storage Bag

FILTERS, CARTRIDGES, COMBINATION CARTRIDGES, DISPOSABLE RESPIRATORS & LENS COVER

Part No.	Description	Part No.	Description
 DISKIT P100	Diskit™ P100 Filter	 158-DN5	N95 Filter Pad
 DISKIT P100OV	Diskit™ P100OV Filter	 158-DR5	R95 Filter Pad
 158-T-20	Organic Vapor	 14881	Retainer
 158-T-21	Acid Gas & Chlorine Dioxide	 159-T-61	Filter Cover
 158-T-22	Ammonia, Methylamine	 14880	Filter Holder
 158-T-26	Acid Gas & Organic Vapor	 158-T-20LP0	Organic Vapor / P100
 158-T-27	Multi-Gas / Vapor	 158-T-21LP0	Acid Gas & Chlorine Dioxide / P100
 158-T-LP0	P100 Low Profile Filter	 158-T-22LP0	Ammonia, Methylamine / P100
 14879	Retainer for Pre-Filter	 158-T-26LP0	Acid Gas & Organic Vapor / P100
 14494	Optional Pre-Filter for P100	 158-T-27LP0	Multi-Gas / Vapor / P100
 AD2N95A	N95 Disposable Respirator	 AD2P95V	P95 Disposable Respirator
 AD2N95VA	N95 Disposable Respirator With Exhale Valve	 AD2P95OV	P95 Organic Vapor Disposable Respirator
 AD2N95OVA	N95 Organic Vapor Disposable Respirator	 AD5N95	N95 Flat-Fold Disposable Respirator
 ND10	Nuisance Mask	 AD5N95V	N95 Flat-Fold Disposable Respirator With Exhale Valve
 1307096	130M Protective Lens Cover	 16157	Prescription Frame Insert, Fits Into Most Full Face Respirators

For additional facepiece, cartridge combinations and additional product information please visit:

[Reusable N95 Masks](#) | [Dentec Safety Canada](#)



DENTEC SAFETY SPECIALISTS

BE PREPARED, STAY SAFE.



For Flood Relief Pricing
Contact Us Today:

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888-533-6832

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www.dentecsafety.com