



3M™ Aura™ 9300+ Series Particulate Respirator Range: Key Industry Guide

| FFP1 NR D - Protection factor: 4 x TLV | | FFP2 NR D - Protection factor: 12 x TLV | | FFP3 NR D - Protection factor: 50 x TLV | |
|---|-----------------|---|-----------------|---|---|
| Unvalved | Valved | Unvalved | Valved | Unvalved | Valved |
| | | | | | |
| 3M™ Aura™ 9310+ | 3M™ Aura™ 9312+ | 3M™ Aura™ 9320+ | 3M™ Aura™ 9322+ | 3M™ Aura™ 9330+ | 3M™ Aura™ 9332+ |
| <ul style="list-style-type: none"> • Agriculture • Cleaning/Property Maintenance • Demolition • Cement Dust | | <ul style="list-style-type: none"> • Construction • Agriculture • Chemicals • Metal working | | <ul style="list-style-type: none"> • Automotive industry • Iron and steel • Sawmills | |
| | | | | <ul style="list-style-type: none"> • Quarrying • Pottery/ceramics • Pharmaceutical • Asbestos | <ul style="list-style-type: none"> • Cement dust |

This industry guide is not exhaustive but offers some typical industries for which 3M™ Aura™ 9300+ series respirators may be suitable. All the 3M™ Aura™ 9300+ series respirators offer respiratory protection against solid and non-volatile liquid particulates when used and worn correctly – the appropriate protection level will depend on the concentration of contaminants in the environment, exposure limits and other risk factors.

For respiratory training and advice please contact your local 3M representative.

Warning: Selection of the most appropriate respiratory protective equipment (RPE) will depend on the particular situation and should be made only by a competent person knowledgeable of the actual working conditions and the limitations of RPE.

Details regarding performance and limitations are set out on the respirator package and user instructions. Before using any of these respirators, the wearer must read and understand the user instructions for each product. Specific country legislation must be observed.

The 3M™ Aura™ 9300+ Features and Benefits Guide

| Product Details | Features | Benefits |
|---|--|--|
| <p>1 NEW Low breathing resistance technology</p> <p>3M™ Cool Flow™ Valve (3M™ Aura™ 9312+, 9322+ & 9332+ Particulate Respirators)</p> | <ul style="list-style-type: none"> • Innovative technology • Effective removal of heat build up | <ul style="list-style-type: none"> • Enables high filtering performance with less effort on the part of the wearer • Provides a cooler and more comfortable wear • Removes exhaled air • Minimises the risk of fogging eyewear |
| <p>2 NEW Embossed top panel</p> | <ul style="list-style-type: none"> • Minimises the flow of warm, moist exhaled air through the top panel | <ul style="list-style-type: none"> • Helps reduce the fogging of eyewear |
| <p>3 NEW Sculpted nose panel</p> | <ul style="list-style-type: none"> • Curved low-profile design conforms well to nose and eye contours | <ul style="list-style-type: none"> • Improves compatibility with eyewear • Helps provide good field of vision |
| <p>4 NEW Innovative chin tab</p> | <ul style="list-style-type: none"> • Designed for ease of donning and adjustment of the respirator on the face | <ul style="list-style-type: none"> • Help achieve a comfortable fit • Improves ease of fitting |
| <p>5 Ingenious 3-panel design</p> | <ul style="list-style-type: none"> • Moulds comfortably onto a wide range of face shapes and sizes • Stays securely in place • Collapse resistant | <ul style="list-style-type: none"> • Helps ensure a good face seal • Respirator flexes with mouth movement while talking • Ideal for work in hot humid environments |
| <p>Large soft nose foam and low tension headbands</p> | <ul style="list-style-type: none"> • Help to create a comfortable environment for the face | <ul style="list-style-type: none"> • Comfortable |
| <p>Individual packaging</p> | <ul style="list-style-type: none"> • Hygienic and convenient | <ul style="list-style-type: none"> • Helps protect the respirator from contamination before use • Allows practical storage and distribution |



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Scan this QR code with your smartphone to be directed to further information on 3M™ Aura™ 9300+ Particulate Respirators.
Or visit: www.3M.eu/Aura

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The Power to Protect your World.™





Introducing the 3M™ Aura™ 9300+ Series Particulate Respirators

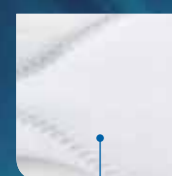
3M make the respirators you need to wear to be protected. They also develop the respirators you want to wear: the brand new 3M™ Aura™ 9300+ Series is the result of 3M's continuous drive to improve comfort.

As the latest version of the popular 3M 9300 series, it is packed with ground-breaking ideas, technologies and materials, but has retained many of the features that helped make the 9300 series hugely popular.

With the aid of 3M's innovative new low breathing resistance filter technology, you can breathe through your respirator with even less effort.

3M™ Aura™ also features an embossed top panel that helps reduce the fogging of eyewear from warm, moist exhaled air.

3M™ Aura™ offers you choice when wearing respiratory protection is not an option - as well as the kind of responsive support, access to technical personnel, reliable advice and dependable quality that only a global brand like 3M can offer.



Breathing ease

NEW Low breathing resistance

- combines the benefits of 3M's electret particulate filter material with advanced low breathing resistance filter technology
- gives effective filter performance whilst lowering resistance to breathing
- improved breathing ease and comfort

3M™ Cool Flow™ Valve

- effectively removes heat build up
- provides a cooler and more comfortable wear
- removes exhaled air and minimises the risk of fogging eyewear



Clear vision

NEW Embossed top panel

- helps reduce fogging of eyewear



NEW Sculpted nose panel

- curved, low profile design
- conforms well to nose and eye contours
- helps provide a good field of vision
- improves compatibility with eyewear



Convenience

NEW Innovative chin tab

- improves ease of donning and adjustment to help achieve a comfortable fit
- flat-folded: easy to store when not in use
- hygienic individual packaging helps protect the respirator from contamination before use
- compatible with most 3M™ Safety Eyewear
- meets EN 149:2001+A1:2009 requirements



Face and head comfort

Design and material

- ingenious 3-panel design fits a wide range of face shapes and sizes
- accommodates your facial movements
- collapse resistant; ideal for work in hot humid environments
- stays securely in place, helping to provide a good, comfortable seal
- large soft nose foam material and smooth inner cover web both feel incredibly soft on the skin and help to create a comfortable environment for the face
- extremely lightweight

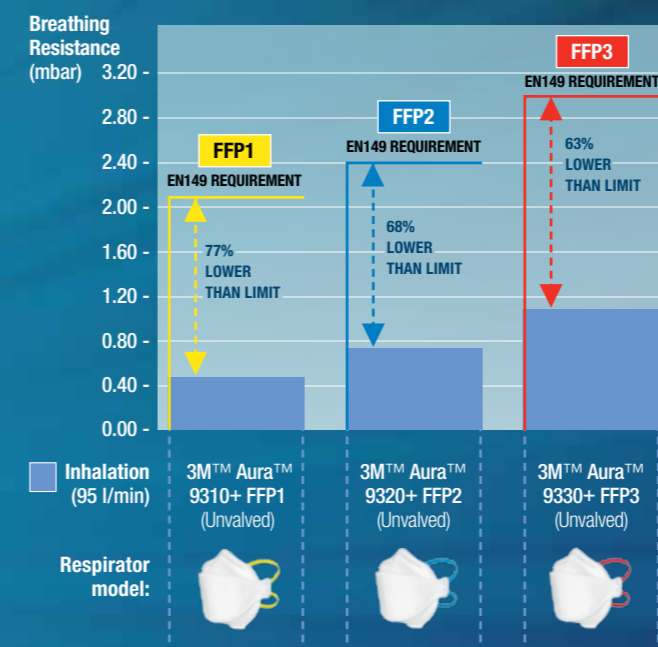
Breathe in more freely

The 3M™ Aura™ respirators feature 3M's brand new low breathing resistance filter technology: an innovative filter media that helps minimise breathing resistance. This enables high filtering performance with less effort on the part of the wearer, making protection even less intrusive.

Chart (below): When tested to EN 149 standard, at a flow rate of 95 litres per minute, the approximate mean inhalation breathing resistance achieved with the new 3M™ Aura™ respirators was **77%** lower than the maximum limit for a FFP1 respirator, **68%** lower for FFP2 and **63%** lower for FFP3.

Making comfort up to 77% more breathable

Mean breathing resistance* of 3M™ Aura™ 9300+ Series Respirators as per requirements of EN 149:2001+A1:2009 Standard



| Product | Inhalation Breathing Resistance (95 l/min) | | |
|---------|--|----------------------|---------------------------|
| | EN 149:2001+A1:2009 Requirement Limit (mbar) | Measured Mean (mbar) | Pooled Standard Deviation |
| 9310+ | FFP1 = 2.1 | 0.48 | 0.04 |
| 9320+ | FFP2 = 2.4 | 0.76 | 0.03 |
| 9330+ | FFP3 = 3.0 | 1.10 | 0.03 |

* Individual 95% Confidence Interval for Mean, based on Pooled Standard Deviation for inhalation. Inhalation flowrate at 95 l/min. Testing performed by BSI to the requirements of EN 149:2001+A1:2009 Breathing Resistance and is generally representative of performance.

Breathe out more clearly

The 3M™ Aura™ respirators are designed to control air in such a way that it helps with another common issue with respirators: fogging eyewear.

a in an unvalved model: when exhaling, the embossed pattern reduces the airflow through the upper panel, the majority of the air exits through other panels. Less moist air reaches the surface of the eyewear from the top panel, helping to minimise fogging.

b in a valved model: when exhaling, the embossed pattern reduces the airflow through the upper panel, the majority of the air exits through the 3M™ Cool Flow™ Valve and other panels. Less moist air reaches the surface of the eyewear from the top panel, helping to minimise fogging.

New 3M™ Aura™ Exhalation Flow

