

3M Science.
Applied to Life.™



Science driven innovation helping to provide comfort, fit and protection.

20 years ago 3M developed the first 3-panel flat-fold disposable respirator, setting new standards for comfort and convenience. Based on this original design, the 3M™ Aura™ Respirator Series is the next evolution in respirators and is the result of 3M's continuous drive to improve comfort.

3M™ Aura™ Disposable Respirators 9300A+ Series

Breathing ease

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

Convenience

- ▶ flat-folded: easy to store when not in use
- ▶ hygienic individual packaging helps protect the respirator from contamination before use
- ▶ innovative chin tab improves ease of donning and adjustment to help achieve a comfortable fit

Clear vision

Embossed top panel

- ▶ helps reduce fogging of eyewear

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

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 help to create a comfortable environment for the face



Breathe In More Freely

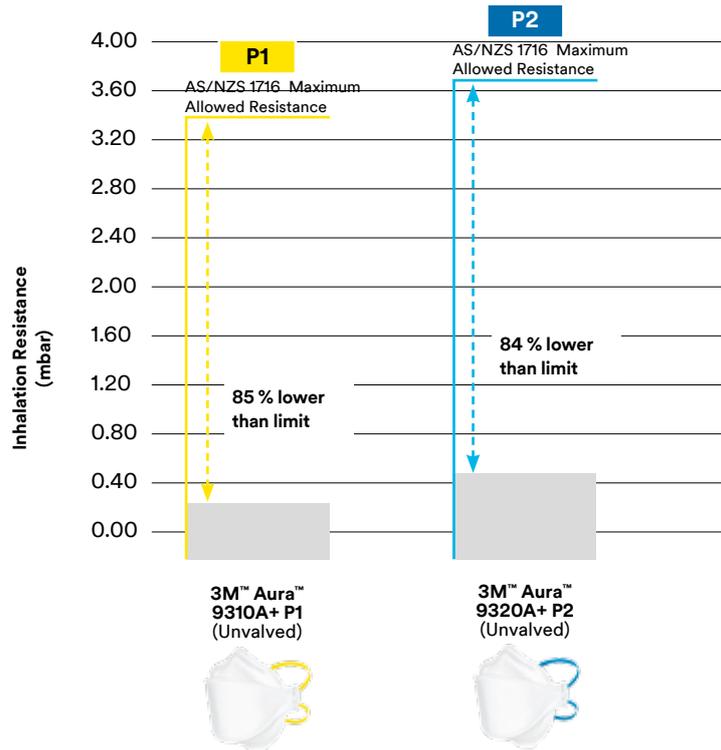
Up to 85% less breathing resistance!

3M's electret particulate filter media combined with advance low breathing resistance filter helps minimise breathing resistance. This enables high filtering performance with less effort on the part of the wearer, making protection even less intrusive.

- ▶ When tested to AS/NZS 1716 standard, at a flow rate of 95 litres per minute, the approximate mean inhalation breathing resistance achieved with 3M™ Aura™ respirators was 85% lower than the maximum limit for a P1 respirator, 84% lower for P2 respirator.

Mean inhalation breathing resistance* of 3M™ Aura™ 9300A+ Series Respirators (95 L/min)

as per requirements of AS/NZS 1716 Standard



Inhalation Breathing Resistance (95 L/min)			
Product	AS/NZS 1716:2012 Requirement (Pa)	Calculated Mean*	Standard Deviation
9310A+	340	45	2.5
9320A+	370	56	1.3

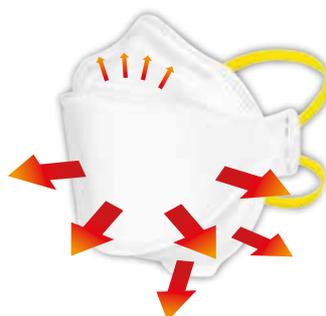
* Mean and Standard Deviation for inhalation resistance based on flowrate at 95 L/min. Testing performed by Testsafe Australia to the requirements of AS/NZS 1716:2012 Inhalation Resistance Clause 4.3.4 and is generally representative of performance.

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.

Unvalved Respirators

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.



Valved Respirator

When exhaling, the embossed pattern reduces 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.



3M™ Aura™ 9300A+ Product Overview

Unvalved		Valved	
3M™ Aura 9310A+ P1	3M™ Aura 9320A+ P2	3M™ Aura 9312A+ P1	3M™ Aura 9322A+ P2
			

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

Product Details	Features	Benefits
Low breathing resistance technology	▶ Innovative technology	▶ Enable high filtering performance with less effort on the part of the wearer
Embossed top panel	▶ Minimises the flow of warm, moist exhaled air through the top panel	▶ Helps reduce the fogging of eyewear
Sculpted nose panel	▶ Curved low profile design conforms well to nose and eye contours	▶ Improves compatibility with eyewear ▶ Helps provide good field of vision
Innovative chin tab	▶ Designed for ease of donning and adjustment of the respirator on the face	▶ Helps achieve a comfortable fit ▶ Improves ease of fitting
Ingenious 3-panel design	▶ Moulds comfortably onto a wide range of face shapes and sizes ▶ Stays securely in place ▶ Collapse resistant	▶ Helps ensure a good face seal ▶ Respirator flexes with mouth movement while talking. ▶ Ideal for work in humid environments
Large soft nose foam and low tension headbands	▶ Helps to create a comfortable environment for the face	▶ Increased wearer comfort
3M™ Cool Flow™ Valve (3M™ Aura™ 9312A+, 9322A+)	▶ Effective removal of heat build up	▶ Provides a cooler & more comfortable wear ▶ Removes exhaled air ▶ Minimises the risk of fogging eyewear
Individual packaging	▶ Hygienic and convenient	▶ Helps protect the respirator from contamination before use ▶ Allows practical storage and distribution

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.

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