

## SONIC FFP3 MASK TECHNICAL DATA SHEET

### FLEXI-JUST HEAD HARNESS



With the flexible head harness sitting below the ear and over the crown of your head, this makes for an easy and comfortable fit. It also allows for the mask to be adjusted to a perfect fit on the contours of all faces

### REFINE-AIR



We have taken steps to ensure the highest protection factors for our mask users. With our high-efficiency filter medium we ensure best lung protection, low breathing resistance, comfortable fit and performance under pressure.

### INTERNAL NOSE CLIP



We have fitted our FFP's with an enclosed nose clip, this prevents any accidents and ARC's in ZONE-0 environments

### APPROVALS

- SAHPRA Approved
- SABS Approved
- NRCS
- Sodium Chloride test passed/cleared
- Paraffin oil test passed/cleared
- Dolomite dust resistant
- Blood spatter resistant

### NO LEAK GUARANTEE

With our ultrasonic-seal there is no cut, burn or glue. This means that there will be no leaking on any seam or fold.

### COOL-360° EXHALATION VALVE



The Exhalation Valve has been fitted to optional FFP's for the ease of breathing/exhalation. The valve has proved to have a relieve of the heat build-up inside the mask while used. The downward facing valve also allows the exhaled breath to blow down and not into the face of the next person.



## SONIC PROTECTIVE GEAR DISPOSABLE RESPIRATORS

The Sonic FFP3 Mask is designed to help provide respiratory protection for the wearer against certain airborne particles. As a disposable particulate respirator, it is intended to reduce wearer exposure to certain airborne particles including those generated by electrocautery, laser surgery and other powered medical instruments. We have also done testing on sodium chloride, paraffin oil, aerosols and dolomite dust which makes our mask suitable for industrial use as well. As a FFP3, it is designed to be fluid resistant to splash and spatter of blood and other infectious materials. The Sonic FFP3 Mask respirator is part of personal protective equipment (PPE) that is primarily intended to protect the wearer by reducing exposure to harmful airborne particles which are small enough to be inhaled– typically particles less than 100 microns in size. These include airborne particles and or material e.g. Bacillus anthracis, Mycobacterium tuberculosis, mould and the virus that causes severe Acute Respiratory Syndrome (SARS), Influenza and Dust.

### APPROVALS AND STANDARDS:

- ▶ NRCS Homologation
- ▶ SANS 50149:2003 NR
- ▶ SAHPRA Approved
- ▶ SAB Local content
- ▶ ARMSCOR Tested

### THE FOLLOWING MATERIALS ARE USED IN THE PRODUCTION OF THE SONIC FLATFOLD FFP3:

HEADSTRAP	Woven Textile with rubber elastic inner
NOSE CLIP	Aluminium enclosed within FFP2
EXHALATION VALVE BODY	Polypropylene
EXHALATION VALVE DISC	Rubber

## USES

### USE FOR

- ▶ Intended to be worn by operating room personnel during surgical procedures to help protect both the surgical patient and the operating room personnel from transfer of micro-organisms, body fluids, and particulate material.
- ▶ Intended for use in industrial environments.
- ▶ Always follow user instructions and use in manners as indicated.

### DO NOT USE FOR

- ▶ DO NOT use for gases or vapours (i.e. anesthetic gases such as isoflurane or vapours from sterilants such as glutaraldehyde.)
- ▶ DO NOT use in any manner not indicated in the user instructions

## FITTING INSTRUCTIONS

**Must be followed each time the respirator is worn. Before fitting device, ensure hands are clean. All respirator components should be inspected for damage prior to each use.**

1. With reverse side up and using the tab, separate top and bottom panels to form a cup shape. Bend slightly at centre of the nose clip.
2. Ensure both panels are fully unfolded.
3. Cup respirator in one hand with open side towards face. Take both straps in other hand. Hold respirator under chin, with nose piece up, and pull straps over head.
4. Locate the upper strap across the crown of the head and the lower strap below the ears. Straps must not be twisted. Adjust top and bottom panels for comfortable fit, ensuring panels and chin tab are not folded in.
5. Using both hands, mould nose clip to the shape of the lower part of the nose to ensure a close fit and good seal. Pinching the nose clip using only one hand may result in less effective respirator performance – use two hands.
6. The seal of the respirator on the face should be fit checked before entering the workplace.

## STORAGE AND TRANSPORTATION:

Shelf life of the unopened product is three (3) years from date of manufacture when stored within temperature range of 20°C to 30°C and at less than 80% relative humidity. End of shelf life date is marked on the product packaging. Before initial use, always check that the product is within the stated shelf life. When storing or transporting this product use original packaging provided.

## GENERAL DATA

Manufacturer	Sonic FFP3 Mask, manufactured by Zodiac Manufacturing (Pty) Ltd
Designation	FFP3 Particle Filtering Mask - Sonic Protective Gear
Intended use	Protection during surgical procedures to help protect both the surgical patient and the operating room personnel from transfer of micro-organisms, body fluids, and particulate material.  Intended for use in industrial environments and mining sector.
Standards	SANS 50149:2003 Dust clogging protection SANS 1866-2:2018 Blood spatter protection
Approval	NRCS - National Regulator for Compulsory Specifications SAHPRA Approved, SABS Approved, ARMSCOR Tested

## DESIGN

Material	Headband: Woven Textile with rubber elastic inner Nose clip: Aluminium enclosed within FFP3
Model principle	Sonic FFP3 Mask ensures a high-efficiency filter medium, best lung protection and low breathing resistance. The ultrasonic-seal ensures no leaking on any seam or fold
Shelf live	Shelf life of the unopened product is three (3) years from date of manufacture when stored within temperature range of 20°C to 30°C and at less than 80% relative humidity.

## PACKAGING

Packing	Label: Sonic Protective Gear FFP3 Mask. Markings in accordance with EN 149:2001 + A1:2009 SANS 50149:2003, expiry date. Packaging contains safety instructions and instructions to use
Units per Package	20pcs per box

AREAS OF APPLICATION		
ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS
<b>Wood Processing</b>		
Hard Wood (oak/beech/tropical/etc.): cutting & sanding	fine particles, wood dust	FFP3
Paints containing chrome: brushing& sanding	fine colour particles	FFP3
Soluble Paints containing copper/chrome/arsenic: painting	fine paint mist	
<b>Construction and Ancillary Building Industry</b>		
Asbestos: short periods of work	fibers	FFP3
<b>Welding</b>		
Welding: aluminium & stainless steel	metal/oxide fumes	FFP3
Brazing	fumes	FFP3
<b>Metalwork</b>		
High-alloy Steels: drilling, grinding, milling, angle grinding	metal dust	FFP3
Stainless Steels: drilling, grinding, milling, angle grinding	metal dust	FFP3
<b>Waste Disposal and Cleaning</b>		
Medical waste: disposal	bacteria/spores	FFP3
Radioactively Contaminated Particles	dust	FFP3
<b>Agriculture</b>		
Animal Epidemics & Treatment of Animals with diseases	bacteria/viruses	FFP3
Work with Fungal Spores	spores	FFP3
<b>Medicine and Healthcare</b>		
Bacteria, Viruses, Infections, Legionella Bacteria	bacteria/viruses	FFP3

PERFORMANCE				
Min. DATA IN ACCORDANCE WITH STANDARD, INCL LOADING TEST WITH 120 MG PARAFIN OIL.				
Particle performance	Standardised Testing	0,3 Micron	FFP3: EN149:2001	FFP3: Sonic
	Test aerosols:			
	Min. Efficiency	Sodium Chloride	99%	99,9%
		Paraffin oil:	99%	99,8%
Breathing resistance	Inhalation	30 litres/min	Max.1,0	0,3
	Inhalation	95 litres/min	Max.3,0	1,0



WHERE SAFETY MEETS TECHNOLOGY

*Gas Detection Instrumentation, Respiratory  
Protective Equipment, Alcohol Breathalysers  
and Specialised Safety Equipment*

# Contact



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