



Venus Technical data sheet of V-1100 series Respirator

- V-1100 series respirator includes Venus Beetle V1110, Beetle V1120, Beetle V1110 V, Beetle V1120 V, Beetle V1110 V, Beetle V1120 V, Beetle V1130 V, RPD723N95 & RPD724N95.
- These respirators are of Venus's new Beetle Style which is stiff on the outside, soft on the inside and gives a good snug fit.
- V-1100 series respirators have Fluid/ Splash resistance which helps reduce potential exposure to blood and body fluids caused from splashes, spray or splatter.
- V-1100 series have Venus's Stay cool butterfly vent valve which provides superior breathing comfort by removing built up heat inside the mask and aides in easy communication. These respirators also come with a special transparent valve cap to demonstrate the performance of the valve.
- V-1100 series of respirator are a combination of stiff & soft fabric. These respirators have a soft feel on the edges; stiff center that stays away from the mouth yet fits closely at all sides and provides a comfortable fit.
- V-1100 series of respirators come in individual packaging to protect the respirator from contamination and allow easy storage/dispensing.
- Venus Beetle V1100 V has ear loop fit mechanism.
- V-1100 series respirator is a Pharma-food, Healthcare industry variant respirator. It has no metal exposure & minimum lint which minimizes the risk of product contamination.
- V-1100 series of respirators have a flat fold design which covers the nose, mouth and also the chin of the user.

Materials

The following materials are used in the production of Beetle V1110, Beetle V1120, Beetle V1110 V, Beetle V1120 V, Beetle V1110 V, Beetle V1120 V, Beetle V1130 V, RPD723N95 & RPD724N95 respirators.

Straps	Braided spandex
Nose Foam	Polyester
Nose Clip	Aluminum
Filter	Electrostatic PP-MB
Valve	Polypropylene
Valve Diaphragm	Silicon rubber
Adjustor clip	Polypropylene

- These products do not contain components made from natural rubber latex
- Minimum mass of products:
 - Beetle V1110 – 16g
 - Beetle V1110 V – 16g
 - Beetle V1120 – 16g

Beetle V1120 V – 16g

Beetle V1130 V – 16g

RPD723N95 - 11g

RPD724N95 – 16g

Selection Guide		FFP1	FFP2	FFP3	N95	P95	P100	Organic Vapour	Acid Gas	Welding
Painting, Varnishing, Spraying, Coating, Mixing	Solvent-Based-brush/roller applied			•			•	•		
	Solvent- Based-spray applied	Contact Venus								
	Water-Based-brush/roller/spray applied			•			•			
	Wood Preservatives			•			•	•		
	Powder Coating			•			•			
Sanding, Stripping, Grinding, Cutting, Drilling	Rust,most metals,Filler,Concrete,Stone	•			•					
	Cement,Wood,Steel		•			•				
	Paints,Varnish,Anti-rust coating		•			•				
	Stainless-Steel,Anti fouling varnish			•			•			
	Resins,Reinforced plastics(carbon/glassfibre)		•	•		•	•			
Construction/ Maintenance	Scabbling,Shot-creting(concrete dust)	•	•	•	•	•	•			
	Platering,Rendering,Cement mixing	•	•	•	•	•	•			
	Demolition	•	•		•	•				•
	Groundwork,Earth moving,Piling,Underpinning		•	•		•	•			
	Spray foam,Loft Insulation		•	•		•	•			
Metal working/ Foundries	Welding,Soldering		•	•		•	•			•
	Electro-plating		•	•		•	•		•	
	Finishing,Slotting,Drilling,Riveting,Machining		•	•		•	•			
	Oxyacetylene cutting		•	•		•	•			
	Molten metal handling,Smelting		•	•		•	•		•	
Cleaning/ Waste Removal	Disinfection, Cleaning		•	•		•	•	•	•	
	Waste removal		•	•		•	•	•		
	Asbestos handling			•			•			
	Asbestos removal	Contact Venus								
Allergens/ Biohazards	Pollen,Animal dander	•			•					
	Mould/Fungus,Bacteria*,Viruses		•	•		•	•			
	Tuberculosis*			•			•			
	Diesel exhaust/Smoke		•			•				
Agriculture/ Forestry	Handling infected animals,Culling		•	•		•	•	•		
	Feeding livestock, Cleaning sheds/ Harvesters	•	•	•	•	•	•			
	Straw chopping,Composting,Harvesting		•	•		•	•			
	Pesticides,Insecticides(crop spraying)		•	•		•	•	•		
Mining/ Quarrying	Tunneling,Drilling,Grinding,Excavation		•	•		•	•			
	Pumping,Dredging,Washing		•	•		•	•			
	Cutting,Sawing		•	•		•	•			
	Changing Filters		•	•		•	•			
Other Industrial Applications	Ink,Dyes,Solvents,Chemicals		•	•		•	•	•		
	Powderd Additives/Chemicals		•	•		•	•	•		
	Pharmaceuticals		•	•		•	•	•		
	Rubber/Plastic processing		•	•		•	•	•		
	Oil & gas extraction/ Processing		•	•		•	•	•	•	•
	Pottery,Ceramics			•			•			
	Wood/ Paper Mills		•	•		•	•			

Standards

- Venus RPD723N95 & RPD724N95 respirators meet the requirement of NIOSH class N95.

Venus Beetle V1110, Beetle V1120, Beetle V1110 V, Beetle V1120 V & Beetle V1130 V respirators meets the requirements of EN 149:2001+A1:2009.

Venus Beetle V1110, Beetle V1120, Beetle V1110 V, Beetle V1120 V, Beetle V1110 V, Beetle V1120 V & Beetle V1130 V respirators meet the requirement for IS 9473.

These respirators should be used to protect the wearer from solid dust & Oil Mist. Particulate filter respirators are classified by filtering efficiency and maximum total inward leakage performance & also by inhalation resistance.

- P1 filters are intended for use against mechanically generated particulates such as those generated from sanding, grinding, drilling etc.
- P2 filters are intended for use against both mechanically & thermally generated particulates e.g. welding brazing etc.
- P3 filters are intended for use against both mechanically and thermally generated particulates e.g. Asbestos handling, metal handling, solvent based painting etc. P2 & P3 filters may also help reduce breathing in pathogenic biological airborne particulates such as influenza virus.
- N95 category filters are intended for use against mechanically generated particulates e.g. sanding, grinding, drilling etc.

Approvals

- Venus Beetle V1110, Beetle V1120, Beetle V1110 V, Beetle V1120 V & Beetle V1130 V respirators have been produced to comply with the requirement of EN 149:2001+A1:2009 under an agreed production certification scheme operated in accordance with IFA in Germany.
- Venus Beetle V1110, Beetle V1120, Beetle V1110 V, Beetle V1120 V, Beetle V1110 V, Beetle V1120 V & Beetle V1130 V respirator has been produced to comply with the requirement of the Indian standard Institute IS14746:1999 under an agreed production certification scheme operated during manufacture in accordance with the Bureau of Indian Standards.
- Venus RPD723N95 & RPD724N95 respirator has been evaluated in the laboratory and found to comply with all of the requirements of Title 42, Code of Federal Regulations, Part 84 and thus certified for NIOSH certification.

Applications

These respirators are suitable for use in concentration of solid and non-volatile liquid particles upto the following limits

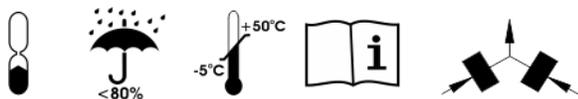
Model	Approved	Class & Colour	Max. Use Level
Beetle V1110	IS 9473/ EN	Grey	4 x OEL

	149:2001+A1:2009		
Beetle V1120	IS 9473/ EN 149:2001+A1:2009	Blue	12 x OEL
Beetle V1110	IS 9473	Light Blue	4 x OEL
Beetle V1120	IS 9473	Dark Green	12 x OEL
Beetle V1110 V	IS 9473/ EN 149:2001+A1:2009	Grey	4 x OEL
Beetle V1120 V	IS 9473/ EN 149:2001+A1:2009	White	12 x OEL
Beetle V1130 V	IS 9473/ EN 149:2001+A1:2009	White	50 x OEL
RPD723N95	EN 149:2001+A1:2009	White	10 x OEL
RPD724N95	EN 149:2001+A1:2009	White	10 x OEL

Storage & Shelf Life

V-2400 series respirator until use shall be stored in the sealed pack to retain its properties. For transport such packs shall be suitably packed in outer cartons to protect from climatic hazards and mechanical shocks.

The shelf life of the product is 60 months from the date of manufacture. (If stored between -50°C and $+50^{\circ}\text{C}$ & Humidity not over 80%). The date of manufacture is mentioned on the pack of the respirator.



Disposal

Contaminated products should be disposed as hazardous waste in accordance with local regulations.

User Instructions

The user instruction must be read & followed -

1. Failure to follow all instructions and limitations on the use of this respirator and / or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and result in sickness or death.
2. Before use, wearer must first be trained by the employer for proper respirator use in accordance with applicable Safety and Health Standards. Respiratory protection appliances are to be selected depending on the type and concentration of the hazardous substances.
3. Do not use for protection against Gases, Vapor, or in atmospheres containing less than 17% Oxygen.

4. The respirator may only be used if the type and concentration of the harmful substances are known. In case of unknown substances or concentrations or variable conditions, breathing apparatus should be used.
5. Non-ventilated containers, mines, canals should not be entered with the particle filtering half masks & also not allowed in explosive atmosphere.
6. If the respirator becomes damaged or breathing becomes difficult, leave the contaminated area, discard and replace the respirator. Also leave the contaminated area immediately if dizziness or other distress occurs.
7. Never alter or modify this respirator.
8. Do not use with beard or other facial hair that prevent direct contact between the face and the edge of the respirator.
9. Do not use when concentrations of contaminants are immediately dangerous to life and health, are unknown, or when particulate concentration exceed the maximum use level / or other levels determined by your National Occupational Safety and Health Authorities.

Limitations (For CE/ISI Products)

1. Do not use for protection against Gases, Vapor or in atmospheres containing less than 17% Oxygen.
2. Do not use with beard or other facial hair that prevent direct contact between the face and the edge of the respirator.
3. Do not use when concentrations of contaminants are immediately dangerous to life and health, are unknown, or when particulate concentration exceed the maximum use level / or other levels determined by your National Occupational Safety and Health Authorities.

Limitations (For NIOSH Products)

1. Not for use in atmospheres containing less than 19.5 % oxygen.
2. Not for use in atmospheres immediately dangerous to life or health.
3. Do not exceed maximum use concentrations established by regulatory standards.
4. Failure to properly use and maintain this product could result in injury or death.
5. All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA, and other regulations.
6. Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
7. Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
8. NIOSH does not evaluate respirators for use as surgical masks.

Fit Check

1. Cover the front of the respirator with both hands being careful not to disturb the respirator.

2. Exhale sharply into the respirator.
3. If air leaks around the nose, readjust the nose clip to eliminate leakage. Repeat the above fit check
4. If air leaks at the respirator edges, work the straps back along the sides of the head to eliminate leakage. Repeat the above fit check.

If you cannot achieve a proper fit DO NOT enter the hazardous area. See your supervisor.

For information regarding fit testing procedure please contact Venus.

Product Range



Beetle V-1110, Beetle V-1120



Beetle V-1110 V, Beetle V-1120 V



Beetle V-1110 V, Beetle V-1120 V



Beetle V-1130 V



RPD723N95



RPD724N95

Manufacturer name & address

VENUS Safety & Health Pvt. Ltd.

T-15, Taloja MIDC, Khairane Budruk, Dist.- Raigad, Navi Mumbai MH 410 208, India
TOLL Free: 1800 26 72346 | Ph :+91 22 27410018
Email: info@venusohs.com | Web: www.venusohs.com