

## Venus Technical data sheet of V-2900 series Respirator

- V-2900 series respirators include Venus V-2910 SLV, V-2920 SLV, V-2930 SLV, RPD814P95, RPD814P95OA, RPD713N95, RPD714N95, RPD714N95OAO, RPD513N95 & RPD514N95 respirators.
- These respirators are of cup shape design and have a double shell to provide high dust retention capacity
- V-2900 series respirators have superior micro-fine media technology which protects the user from respirable suspended particulate matter. The filters have a high dust holding capacity which do not get clogged thereby increasing the respirators life.
- V-2900 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-2900 series respirators have NR D Anti clogging mark. These series of respirators have passed dolomite test and can resist clogging in very high dust environments.
- V-2900 series respirators have front pull adjustor mechanism with broad cotton elastic which gives superior fit and relieves strap pressure.
- V-2900 series of respirators have a strong aluminum nose clip to get customized fitting around the nose and avoid fogging of eyewear.
- These respirators have the headband sewn on the outside filter media to avoid puncture in the filter area and provide a leak-proof fit.
- Venus RPD814P95OA & RPD714N95OAO respirators include an activated carbon layer for absorption of nuisance level of obnoxious odour and vapour.
- Venus RPD814P95, RPD814P95OA & RPD714N95OAO respirators have an outer flame retardant layer to protect against welding sparks.
- V-2900 series respirators have latex free braided textile elastic which is skin friendly, has long life and does not deform with repeat wears under high temperature.
- V-2900 series of respirators have a unique nose liner inside the mask to prevent leakage and provide a comfortable fit.
- Venus V-2930 SLV, RPD814P95 & RPD814P95OA respirators have full foam seal to absorb perspiration and provide a comfortable fit.
- Venus V-2920 SLV, RPD713N95 & RPD714N95 respirators have half foam seal to absorb perspiration and provide a comfortable fit.

### **Materials**

The following materials are used in the production of V-4214 SLOV-V, V-414 SLOV-V, V-425 SLOV-V, V-410 S, V-410 SL, V-420 SL, V-410 V, V-410 SLV, V-420 SLV, V-430 SLV & 4200 N95 respirators.

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

- These products do not contain components made from natural rubber latex
- Minimum mass of products:
  - V-2910 SLV – 21g
  - V-2920 SLV – 21g
  - V-2930 SLV – 29g
  - RPD814P95 – 26.5g
  - RPD814P95OA – 42g
  - RPD713N95 – 16.5g
  - RPD714N95 – 21.5g
  - RPD714N95OAO – 25.5g
  - RPD513N95 – 14g
  - RPD514N95 – 19g

## Standards

Venus V-2910 SLV, V-2920 SLV & V-2930 SLV respirators meets the requirements of EN 149:2001+A1:2009.

Venus RPD814P95 & RPD814P95OA respirators conform to NIOSH P95 standard.

Venus RPD713N95, RPD714N95, RPD714N95OAO, RPD513N95 & RPD514N95 conform to NIOSH N95 Standard.

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.

P class of filters stand for oil-proof in NIOSH. These filters can be used for protection against oil based particles and can be used for more than 1 work shift.

N95 category filters are intended for use against mechanically generated particulates which are non oil based e.g. sanding, grinding, drilling etc.

## **Approvals**

V-2910 SLV, V-2920 SLV & V-2930 SLV 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 RPD814P95, RPD814P95OA, RPD713N95, RPD714N95, RPD714N95OAO, RPD513N95 & RPD514N95 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.

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		•	•		•	•			

## Applications

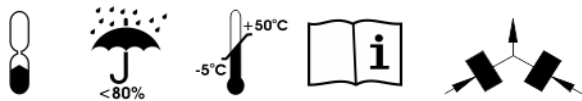
These respirators are suitable for use in concentration of solid and non-volatile liquid particles upto the following limits

Model	Approved	Class & Colour	Max. Use Level
V-2910 SLV	EN 149:2001+A1:2009	White	4 x OEL
V-2920 SLV	EN 149:2001+A1:2009	White	12 x OEL
V-2930 SLV	EN 149:2001+A1:2009	White	50 x OEL
RPD814P95	NIOSH	White	10 x OEL
RPD814P95OA	NIOSH	White	10 x OEL
RPD713N95	NIOSH	White	10 x OEL
RPD714N95	NIOSH	White	10 x OEL
RPD714N95OAO	NIOSH	White	10 x OEL
RPD513N95	NIOSH	White	10 x OEL
RPD514N95	NIOSH	White	10 x OEL

## Storage & Shelf Life

V-4200 series respirators 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  $-50^{\circ}\text{C}$  and  $+50^{\circ}\text{C}$  & Humidity not over 80%). The date of manufacture is mentioned on the pack of the respirator.



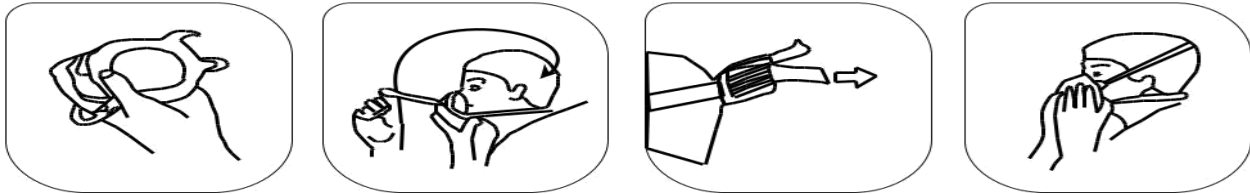
## Disposal

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

## User instructions

Before use, check for visible damage. Damaged or dirty (on breathing side) particles filtering respirators should not be used.

1. Hold the respirator in hand, allowing the head-straps to hang loosely in front of the mask
2. Position the lower head strap around the neck below the ears. Hold the respirator against the face and place the top head-strap around the crown of the head.
3. Adjust head straps by grasping the loose strap end and pull rear ward until respirator fits comfortably.
4. Fit the nose area to the shape of the face by forming the nose piece with the fingertips. Start from the nose piece working downward while pressing against the nose. Always use both hands.



### **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

V-2910 SLV, V-2920 SLV, V-2930 SLV



RPD814P95

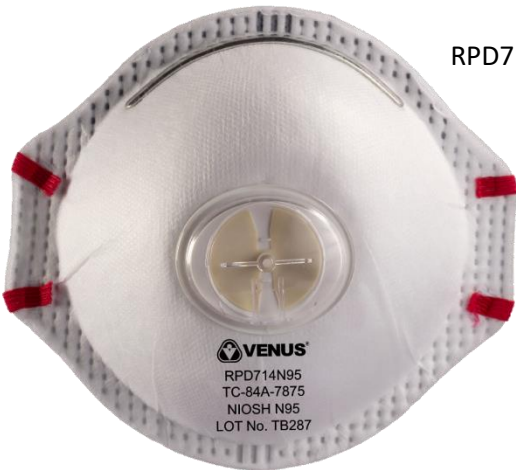




RPD814P95OA

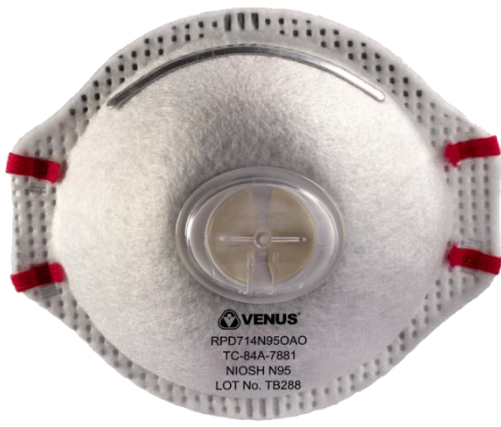


RPD713N95



RPD714N95

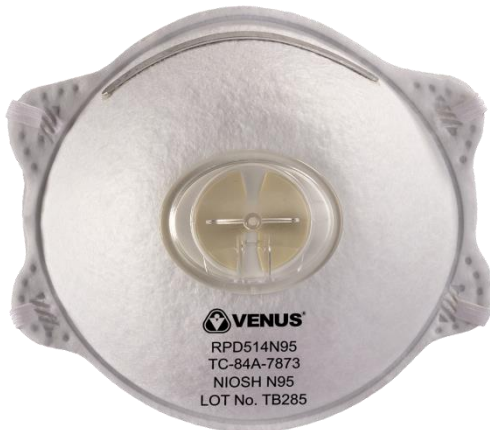




RPD714N95OAO



RPD513N95



RPD514N95

**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