

## Venus Technical data sheet of V-4400 series Respirator

### Description

- V-4400 series of respirators includes Venus V4400, V-44++, V44+ & Dhul Rakshak V404 respirators
- These filtering face piece respirators are of fold flat design having C Style & V Style.
- V-4400 series of respirators has superior micro fine filter media technology which protects against respirable suspended particulate matter. These respirators consist of multiple layers viz pre-filter, fine filter and skin comfort layer.
- V-4400 series of respirators have unique fit adjusters which provide optimum fit & comfort. They also have dotted pattern edges for soft feel.
- V-4400 series of respirators has latex free knitted textile elastic which has a long life, is skin friendly and does not deform in high temperature.
- These series of respirators have headstrap stapled outside filter media which avoids puncture in filter area and is leakproof.
- V-4400 series of respirators have noseclip which is embedded inside the mask and the respirator has no metal exposure or loose parts.

### Materials

The following materials are used in the production of V4400, V44++, V44+ & Dhul Rakshak V404 respirators.

<b>Straps</b>	V4400, V44++, V44+- knitted elastic Dhul Rakshak V404 – Thermoplastic elastomer
<b>Nose Foam</b>	Polyester
<b>Nose Clip</b>	Aluminum
<b>Filter</b>	Electrostatic PP-MB

These products do not contain components made from natural rubber latex

Minimum mass of products:

V44++ - 9.5g

V-44+ - 9.5g

V4400 – 9.5g

Dhul Rakshak V404 – 12g

<b>Selection Guide</b>		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 V4400 respirator meets the requirement of NIOSH N95, EN 149:2001+A1:2009 & IS 9473.

V44++,V44+ & Dhul Rakshak V404 respirators meets the requirement of IS 9473.

These respirators should be used to protect the wearer from solid and non-volatile liquid particles.

Particulate filter respirators are classified by filtering efficiency and maximum total inward leakage performance & also by inhalation resistance.

These respirators can be used to protect against mechanically generated particulates such as those generated from sanding, grinding, drilling, sweeping etc. these respirators have filters that can help reduce breathing in pathogenic biological airborne particulates such as influenza virus.

## Approvals

V4400 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 for NIOSH certification.

V4400, V44++,V44+ & Dhul Rakshak V404 respirators have 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.

V4400 respirator has been produced to comply with the requirement of EN 149:2001+A1:2009 under an agreed product certification scheme operated in accordance with IFA in Germany.

## Applications

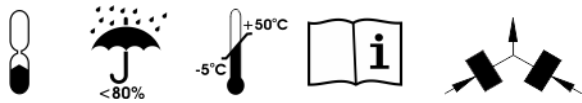
These respirators are suitable for use in concentration of solid and non-volatile liquid particles upto the following limits

Model "C" & "V" Style	Approved	Class & Colour	Max. Use Level
Venus V-44+ ( V )	IS 9473:2002	FFP1 S Yellow	4 x OEL
Venus V-44++ ( C )	IS 9473:2002	FFP1 S Yellow, Grey	4 x OEL
Venus V-4400 ( C )	IS 9473:2002/EN 149:2001+A1:2009/NIOSH N95	FFP1 S Light blue, White	4 x OEL
Venus V-404 Dhul Rakshak ( C )	IS 9473:2002	FFP1 S Yellow, Grey, white	4 x OEL

## Storage & Shelf Life

V-4400 series of 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.

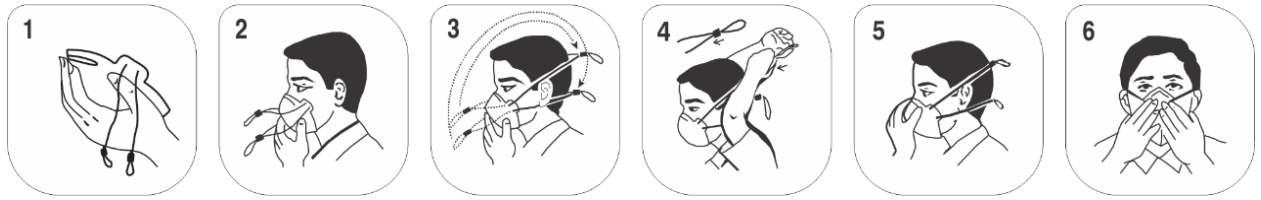


## Disposal

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

## User instructions

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. 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.
4. Non-ventilated containers, mines, canals should not be entered with the particle filtering half masks & also not allowed in explosive atmosphere.
5. 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.
6. Never alter or modify this respirator. Safety and Health Standards. Respiratory protection appliances are to be selected depending on the type and concentration of the hazardous substances.



## Limitations

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.

## 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-44+



V-44++



Dhul Rakshak V-404



V-4400

**Important notice**

Venus does not accept liability of any kind, be it direct or consequential ( including but not limited to, loss of profits, business and/or goodwill) arising from reliance on any information provided by Venus. The user is responsible for determining the sustainability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict Venus’s liability for death or personal injury arising from its negligence.

**Manufacturer name & address**

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