# Venus Technical data sheet of V-2400 Series HIOSH Respirator

- The V-2400 series respirator includes Venus CN95+, Venus CN95, Venus CVN95+, Venus CVN95, Venus CN95 ME & Venus CN95 OV.
- These respirators are of cup shape design which are lightweight and have a collapse resistant shell.
- V-2400 series respirators have superior micro-fine media technology which protects the user from reparable suspended particulate matter. The filters have a high dust holding capacity which do not get clogged thereby increasing the respirators life.
- V-2400 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.
- Venus CN95 OV respirators include an activated carbon layer for absorption of nuisance level of obnoxious odour and vapour.
- Venus CN95+ & Venus CVN95+ respirators have unique fit adjustors which provide optimum fit & comfort.
- V-2400 series respirators have the headband sewn on the outside filter media to avoid puncture in the filter area and provide a leak-proof fit.
- V-2400 series respirators have latex free textile elastic which is skin friendly, has a long life and does not deform with repeat wears under high temperature.
- V-2400 series of respirator comes with a unique Nose liner inside the mask which prevents leakage and provides a comfortable fit.

## Materials

The following materials are used in the production of Venus CN95+, Venus CN95, Venus CVN95+, Venus CVN95, Venus CN95 ME & Venus CN95 OV 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:

  Venus CN95 – 11g

  Venus CN95+ - 10g

  Venus CVN95 – 14g

  Venus CVN95+ - 16g

  Venus CN95 ME -14g

  Venus CN95 OV – 15g

## Standards

- Venus CN95+, Venus CN95, Venus CVN95+, Venus CVN95, Venus CN95 ME, Venus CN95 OV respirators meets the requirement of NIOSH class N95.
  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.
- N95 category filters are intended for use against mechanically generated particulates e.g. sanding, grinding, drilling etc.

## Approvals

- Venus CN95+, Venus CN95, Venus CVN95+, Venus CVN95, Venus CN95 ME & Venus CN95 OV 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,Underpining | | • | • | | • | • | | | |
| | 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/ Forestery | 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

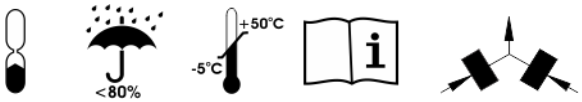
These respirators are suitable for use in concentration of solid and non-volatile liquid particles upto the following limits

| Model | Approved | Class & Colour | Max. Use Level |
|---|---|---|---|
| Venus CN95+ | NIOH N95 | White | 10 x OEL |
| Venus CN95 | NIOH N95 | White | 10 x OEL |
| Venus CVN95+ | NIOH N95 | White | 10 x OEL |
| Venus CVN95 | NIOH N95 | White | 10 x OEL |
| Venus CN95 ME | NIOH N95 | White | 10 x OEL |
| Venus CN95 OV | NIOH N95 | Grey | 10 x OEL |

## Storage & Shelf Life

Venus 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 be-between –50C and +500C & 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

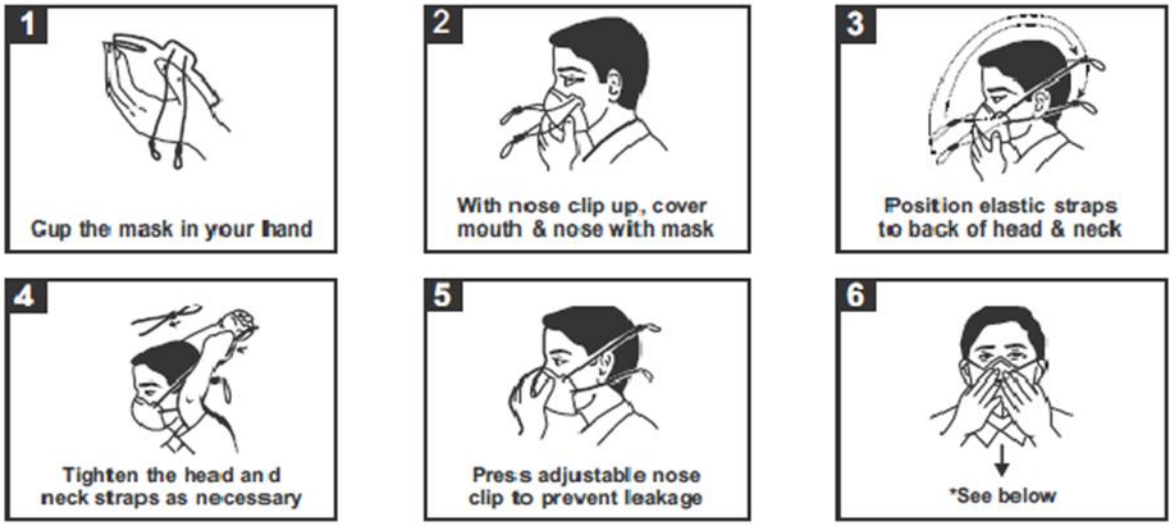
**The user instructions must be read & followed-**

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. 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.

**FITTING INSTRUCTIONS TO BE FOLLOWED EACH TIME RESPIRATOR IN USE**

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




*6. To check fit, place both hands completely over the mask and inhale. If air leaks around nose, readjust the nose clip. If air leaks at the mask edges, work the straps back along the sides of your head. Repeat the procedure until respirator is sealed properly.

If you can not achieve a proper fit DO NOT enter the contaminated area. See your supervisor.

## 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 otl regulations.
6. Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified
7. Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these resp
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


CN95+ , CN95


CVN95+ , CVN95


CN95 ME


CN95 OV

**Manufacturer name & Address**

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