



ABOUT US

VENUS Safety & Health Pvt. Ltd. is a global quality manufacturer of Filtration, Occupational Safety & Healthcare products

Venus has grown manifold in volume and revenues since its inception in the year 1986.

A continuous urge to improve the performance of existing products and the development of new products, is a driving force for our experienced team of professionals. The combination of various distinctive attributes of Venus has helped it to stay ahead in the competitive industry and provide 100% Made in India quality products to the people of the nation. We are the manufacturer of Filtration, Occupational Safety & Healthcare products

We have 5 manufacturing facilities in India with a workforce of 2000+, which enables us to provide the best quality products to India with a QMS certification of ISO 9001:2015, ISO 13485:2016 SEDEX-SMETA. We have 100+ ISI certified products, 50+ CE products, and 30+ NIOSH products. Venus has been exporting for the last 25 years to 35 countries and has sales reps in the USA, EU, and Middle East.

We primarily operate in 3 Segments:

▲ Occupational Health & Safety (OHS)

For over 30 years, we have been a specialist in Neck-up PPE for industrial segment with over 150+ channel partners across India, mainly with large customer categories viz. Railways, Cement, Agro, Ceramics, Construction, Tyre manufacturing, Food & Beverages, Heavy Engineering, Mining, Pharmaceuticals, etc.

▲ Medical and Healthcare (MHD)

Supplier of N95 respirators for the State & central Government Medical Services during the COVID-19 pandemic. We have established a network of 50+ distributors across India.

▲ Air Filtration (AFD)

VENUS-ARW started manufacturing of Filters for HVAC systems in 2023 and has a variety of products to offer. These filters are being used by customers in applications like Surface finishing technology, Clean rooms, Turbo machinery, Nuclear application, Precision manufacturing etc.





OUR MISSION

" To deliver safety, healthcare and filtration products through ingenious use of technology and research"



INNOVATION & CONTINUAL IMPROVEMENT

We endeavour to pre-empt customer needs and study how our products and services must be worked on to deliver the requirement when it arises. Our team of innovators then pushes the limits to fill in the gap.

Our product design team has developed and incorporated several innovative features in products for customer benefits such as:

- Twist N Click feature for filters in VENUS V-900 Half Mask
- Stay Cool Butterfly Vent Valve
- Beetle mask designed with soft edges for skin comfort & stiff from centre to stay away from nose & mouth, & yet offer large filter area



SALES CAPABILITY

- The needs of our customers are supported by our sales office based in India, UAE, USA, UK & Netherlands
- We support market development activities of our team partners across the globe.



FACTORY CAPABILITY

- Global manufacturing operations based in Navi Mumbai, India
- Cost competitive products
- Primary materials manufacturing: nonwovens, plastic parts processing
- Independent tool room
- Balance of dedicated young trained workforce and experienced leaders
- International sea/airport proximity & logistics capability
- Proximity to national transport and logistics hub



NORMS & PROTECTING PEOPLE

- Venus manufacturing plants operate as per the safety standards
- Venus adheres to the National Factories Act & Rules in all its facilities and ensures compliance with these regulations through its entire supply chain

The products comply to:



Free from harmful substances



Social standards



Green approach

SUPPLY CHAIN

Venus has long-standing strategic partners for the development, manufacture, and supply of materials and intermediate products. On-site representatives ensure that high quality practices are adhered to consistently.

QUALITY ASSURANCE

- ▲ Venus facilities conform to ISO 9001:2015 & ISO:13485:2016 requirements of Quality Management Systems
- ▲ There are stringent check points at all stages like incoming material, intermediate production, and final outgoing products
- ▲ Quality Assurance practice in VENUS meets exacting standards



TESTING CAPABILITY

Our laboratory is equipped with modern equipments to test Neck up products for:



Respiratory Protective Device - RPD



Noise Protective Device - NPD



Eye Protective Device - EPD



Head Protective Device - HPD



Spill Control Device - SCD



Air Filtration Device - AFD



Body Protection Device - BPD



APPROVALS

The processes and procedures in Venus manufacturing plants have been certified in accordance with ISO 9001:2015 & ISO:13485 and are audited annually by BUREAU VERITAS.

The certified facilities product and supply products conforming to:

American Standards: 42 CFR Part 84

European Standards: EN 143, EN 14387, EN 140, EN 149, EN 136

Indian Standards: IS 10245(II), IS 10245(III), IS 14166, IS 14746, IS 15322, IS 15323, IS 16289, IS 18266, IS 19022, IS 2925, IS 5983, IS 9167, IS 9473, IS 17570(I)



OUR INDUSTRIAL SAFETY & HEALTH PRODUCT RANGE INCLUDES:



Respiratory Protective Device:

Reusable Half Face Masks & Full Face Masks, Disposable Filtering Face Piece, Gas Filters, PAPR, SCBA, Supplied Airline System



Noise Protective Devices:

Ear Plugs, Ear Muffs, Ear Band, Earplug Dispenser



Head Protection Device:

Helmets, Face Shield



Eye Protective Devices:

Spectacles, Goggles, Overspecs, Welding Spectacles



Spill Protection Device:

V-Sorb kit 120, V-Sorb Eco Kit 50, V-Sorb pillows, V-Sorb Pad, V-Sorb Socks, V-Sorb Roll



Air Filtration Devices:

Pocket Filters, Panel Filters, V-Cell Filters, High-Temperature Filters, HEPA, Mates, Paint filters & Baffle Filters



Body Protection Device:

ULTITEC-1000L, ULTITEC-1000FR, ULTITEC-1800, ULTITEC-1800T, ULTITEC-2000, ULTITEC-4000

NECK-UP PPE SPECIALIST



FAQs ON RESPIRATORY PROTECTION

RESPIRATORY PROTECTION NEED

Workplace concentrations of contaminants (dust, mist, smoke, vapour, or gases) should be reduced or minimized by adopting appropriate engineering control measures. Subject to effective engineering control not being feasible, suitable performing respirators shall be used.

The purpose of respiratory protection is to ensure that the workers are adequately protected from inhaling excessive airborne contaminants or oxygen-deficient air.

Workers should not be exposed to airborne contaminants in excess of their permissible exposure levels wherever possible.



Health Effects

- ▲ Respiratory Hazard and their Effects



Oxygen Deficiency

- ▲ Normal - 21% by Vol. in air
- ▲ Breathing - 17%
- ▲ Dizziness - 13%
- ▲ Unconsciousness/Death - 8 to 10%



Gaseous & Vapour Contaminants

- ▲ Affects supply of oxygen to body, damages organs and causes respiratory paralysis, inflammation, unconsciousness &/or death

Nasopharynx

Formaldehyde

Larynx

Acid mists, Alkali mist, Asbestos

Lung

Asbestos, Crystalline Silica, Arsenic, Coal dust, Chromium, Nickel, Cadmium, Diesel emissions, Bauxite dust, Cotton dust, Bagasse dust, Tobacco dust, Cyanide, Phosphorus, Graphite, Grain dust, Zinc fumes, Active pharmaceutical ingredients (API), Chlorine

Liver and biliary tract

Carbon tetrachloride, Vinyl chloride, Trichloroethylene

Mesothelioma

Asbestos

Kidney and bladder

Benzidine dyes, Beta-naphthylamines, Mercury, Coke oven emission, Aromatic amines, Cadmium, Lead, Uranium, Chlorinated hydrocarbon solvent

Leukemia (Blood Cancer)

Benzene, Formaldehyde

Non-Hodgkin lymphoma

Trichloroethylene



Brain and Nervous system

Organophosphorus, Pesticides, Lead, Mercury, Manganese, Arsenic, Carbon monoxide, Cyanide

Circulatory system

Carbon monoxide, Vinyl chloride, Benzene, Toluene, Trichloroethylene, Nitrates, Carbondisulfide, Methylene chloride

Gastrointestinal tract

Asbestos, Nitrosamines, Welding fumes, Lead, Copper

Immune system

Mercury, Lead, Pesticide, Polychlorinated biphenyls (PCBs), Polycyclic aromatic hydrocarbons (PAHs)

Reproductive system

Methylmercury, Carbon monoxide, Lead, Bisphenol A, Asbestos

Skin

Mineral oils, Polycyclic, Aromatic hydrocarbons, Acrylics, Epoxy resins, Nickel, Coal tar, Benzene, Volatile organic compound, Methyl blue (health care), Active pharmaceutical ingredients (API), Chlorine, Latex

Allergy

Isocyanates, Spices

COMMON DEFINITIONS

Respiratory Protection Definitions (REFERENCE - ISO/DIS 16972)

▲ Identify the Hazard

Hazardous Atmosphere - Any atmosphere that is oxygen-deficient and/or the level of substances in the atmosphere is at a concentration deemed to be hazardous

Contaminant - Undesirable solid, liquid, or gaseous substances in the air

Dust - General term denoting finely distributed solid particles

Particle - Solid or liquid substances in their finely divided states

Fume - Fine, solid form of aerosol

Aerosol - Suspension of solid or liquid particles in a gaseous medium having a negligible falling velocity (generally considered to be less than 0.25 m/s)

Vapour - Gaseous phase of a substance which is liquid or solid at 20°C and 100 kPa (absolute)

Gas - A state of particles in gaseous form at standard temperature and pressure that expands to occupy the space or enclosure in which it is confined

Mist - General term denoting a liquid aerosol

Smoke - Aerosols generated by incomplete combustion consisting of liquid and/or solid particles



▲ Assess the Hazard

Immediately Dangerous to Life or Health (IDLH) - Atmosphere that poses an immediate threat to life, would cause irreversible adverse health effects, or would impair an individual's ability to escape from a hazardous atmosphere

Occupational Exposure Limit (OEL) - Maximum concentration of airborne contaminants deemed to be acceptable, as defined by the authority having jurisdiction

Time-Weighted Average (TWA) - Average concentration of a contaminant in air during a specific time period

Maximum Use Concentration (MUC) - Maximum atmospheric concentration of hazardous substances from which the RPD wearer can be expected to be protected. It is determined by the assigned protection factor of the respiratory protective device and its class and the occupational exposure limit of the hazardous substance

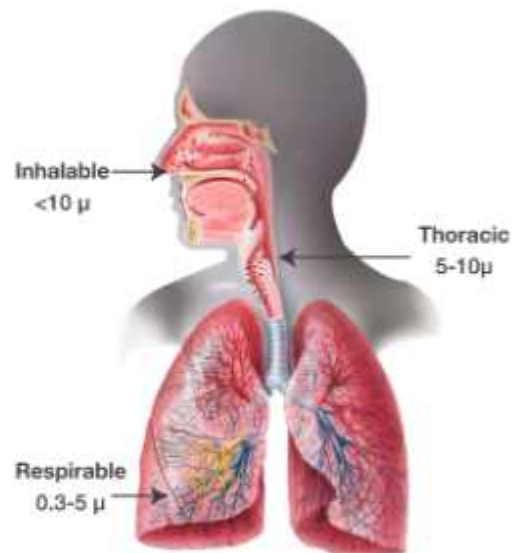
▲ Select the Appropriate Equipment

Protection Level - The degree of respiratory protection allocated to an RPD for purposes of selection and use. It helps to understand the protection provided to the wearer when used within an effective RPD programme as described in ISO/TS 16975-1 and ISO/TS 16975-2

RPD - Respiratory Protective Device

Positive Pressure - Pressure inside the respiratory interface, hose etc. is higher than that of the ambient atmosphere

Negative Pressure - Pressure inside the respiratory interface, hose etc. that is lower than that of the ambient atmosphere



▲ Training for Use of the RPD

Fit Test - Use of a specific protocol to qualitatively or quantitatively determine an individual's ability to obtain an adequate seal with a specific make, model, and size of a tight-fitting respiratory interface

Quantitative Fit Test (QNFT) - Test method that uses an instrument to assess (quantify) the amount of face-seal leakage into the RPD in order to assess the adequacy of its fit

Qualitative Fit Test (QLFT) - Pass/fail test method that relies on the subject's sensory response to detect a challenge agent in order to assess the adequacy of RPD fit

Face Seal Leakage - Leakage between the wearer's face and the respiratory interface

HOW TO CHOOSE THE APPROPRIATE RPD

4 STEPS For selection of RPD



IDENTIFY THE HAZARD

- Oxygen deficiency
- Particulate matter
- Gas, odour & vapour
- Combination of particulate & gas



ASSESS THE HAZARD

- Area of work: open, ventilated area, closed, air conditioned or exhaust
- Presently used product
- Facial contour
- Physical properties
- Chemical properties



SELECT APPROPRIATE EQUIPMENT (Selection parameters)

- Identifying characteristics of the contaminant
- Protection and filter efficiency
- Good wearer comfort & low breathing resistance
- Man-hours worked & optimum protection with aid of Nominal Protection Factor



TRAIN FOR THE USE OF RPD

- Training to use RPD

USER SELECTION GUIDE RESPIRATOR

| Basic Type | Category | Comments |
|---|---|---|
| Filtering devices dependent on ambient atmosphere | FFR Filtering Facepiece Respirators | For various types of respirable particulates such as dust, fibres, mist, and fumes, some are fitted with exhalation valves to make breathing easier |
| | HFM & RF Re-usable Half Face Mask & Reusable Filters in Low-1, Medium-2, High-3 efficiency or capacity | For various types of particulates or vapours and gases depending on the fitted chemical filter. Some have combination filters |
| | FFM & RF Re-usable Full Face Mask & Re-usable Filters in Low-1, Medium-2, High-3 efficiency or capacity | As above, but incorporates visor for face protection |
| | PAPR Powered air purifying respirator with head piece. Positive pressure respirator | Type of headpiece and the filter determines the protection offered |
| Breathing Apparatus (BA) supplying breathable air. Positive pressure respirator. Independent of ambient atmosphere. | SA Supplied Air constant flow airline Breathing Apparatus | For all contaminants. ● Usually uses a Full Face Mask/Hood with long hose ● Continuous supply of air from a compressor |
| | SCBA Self Contained Breathing Apparatus Could be open or close circuit | For all contaminants. ● Usually Full Face Mask has a demand valve arrangement ● Compressed air supply is carried in cylinder on the wearer's back ● Sometimes worn inside a gas-tight suit |

TYPE OF RESPIRATORS



FFR



HFM



FFM



PAPR



SA



SCBA



Trolley Mounted
(SABA)

PROTECTION FACTOR

1. How to calculate protection factor?

You should aim at reducing the concentration inside the respirator to below any applicable occupational exposure limit (OEL). RPD uses a system called Assigned Protection Factor (APF), the factor by which the equipment reduces the contaminant concentration. An APF of 4, for example, means that the contaminant concentration will be reduced by a quarter. Choose the equipment that has an APF that exceeds the OEL, leaving a margin for equipment error and other factors.

Example 1: Complete Equipment

Filtering half mask FFP1

Permitted total inward leakage = 22%

$$\text{Nominal Protection Factor} = \frac{1}{\text{Permitted total inward leakage}} = \frac{1}{22} \times 100 = 4.5$$

Example 2: Multi-component Equipment

Particle filter P1 and half mask

Permitted inward leakage through the filter 20%

Permitted inward leakage at the face seal and exhalation valve $\frac{2}{22}$

$$\text{Nominal Protection factor} = \frac{1}{22} \times 100 = 4.5$$

Example 3: How to estimate the protection factor required?

Contaminant: Harmful airborne dust

Concentration: The time-weighted average is 20 mg/m³

The occupational exposure limit: 0.2 mg/m³

The required minimum protection factor is 20/0.2 = 100 from the list of respiratory protection devices can be seen the types of equipment which may meet this requirement if used correctly

Example 4: The maximum allowed concentration of contaminant with P2 filter and full face mask

Contaminant: Chlorine

Occupational exposure limit: 1 ppm

Full face mask gives a nominal protection factor

P2 + full mask gives a nominal protection factor 2000

2000x1ppm = 2000 ppm = 0.2% chlorine

2. How to assess respirator fitting?

Face fit for the wearer is critical as the face-fitting range relies on a tight face fit to be effective. Facial features such as scars and beards, as well as the shape and size of the wearer's head and face may affect the fit. A formal fit test is essential.

3. When is respirator fit test required?

Fit testing of all negative or positive pressure tight-fitting facepiece respirators is required prior to initial use, whenever a different respirator facepiece is used, and at least annually thereafter. An additional fit test is required whenever there are changes in the user's physical condition that could affect respirator fit (e.g., facial scarring, dental changes, cosmetic surgery, or an obvious change in body weight). The employee must be fit tested with the same make, model, style, and size of respirator that will be used.

4. What are the guidelines for Selection, Training, Use, Maintaining and Storing respirators?

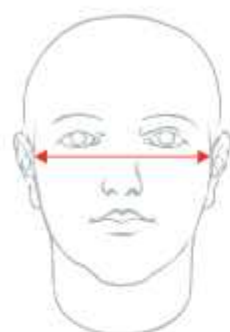
Refer to IS 9623:2008 & IS 8347:2007

5. How long can a particulate respirator be used before it must be discarded?

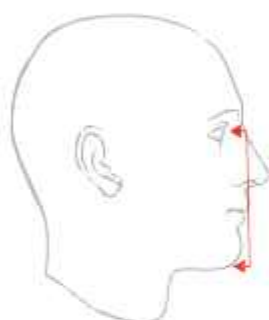
Respirators with replaceable filters are reusable, and a respirator classified as disposable may be reused depending upon the intensity of particulate matter in the atmosphere. All filters must be replaced whenever they are damaged, soiled, or causing discomfort to the wearer (e.g. increased breathing resistance). Before each use, the exterior of the filter material should be inspected. If the filter material is physically damaged or soiled, the filter should be changed (in the case of respirators with replaceable filters) or the respirator discarded (in the case of disposable respirators). Always follow the user instructions provided by the manufacturer. Employers must develop standard operating procedures for storing, reusing, and disposing of respirators that have been designated as disposable and for disposing of replaceable filter elements.

FIT TEST NIOSH BIVARIATE PANEL (NIOSH PANEL) & RESPIRATORY TESTS

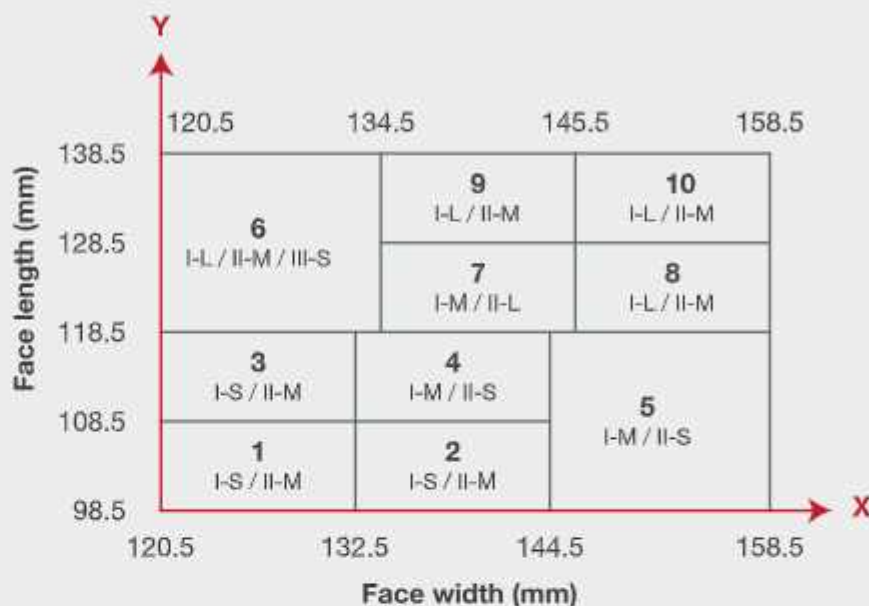
The NIOSH Bivariate Panel includes ten individual member cells defined by face width and face length (mm) with a guide to select HFM/FFM most likely to get the best fit. Ensure the fit is validated.



Face width (mm)



Face length (mm)



I: First try size II: Second try size III: Thrid try size

TEST FOR RESPIRATORY PROTECTION DEVICES



Particulate penetration test



Flammability test



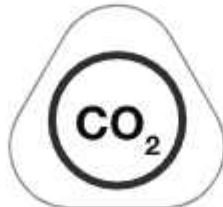
Gas capacity test



Breathing resistance test



Inward leakage test



Carbon dioxide content of inhalation air test



Field of vision test



Temperature conditioning test



Radiant Heat



-15°C Chamber Conditioning

FIT FACTOR

Nominal Protection Factor (NPF) Clause 8.4.3 - IS 9623:2008

| DEVICE | MARKING | NOMINAL PROTECTION FACTOR |
|--|---------|---------------------------|
| a) Filtering Facepiece Respirators (FFR) | FFP1 | 4 |
| | FFP2 | 12 |
| | FFP3 | 50 |
| b) Filter with Quarter Mask or Half Mask (HFM & RF) | FFP1 | 4 |
| | FFP2 | 12 |
| | FFP3 | 50 |
| c) Filter with Full Face Mask (FFM & RF) | FFP1 | 5 |
| | FFP2 | 20 |
| | FFP3 | 1000 |
| Gas Filtering Devices | | |
| a) Filter with Quarter or Half Mask (HFM & RF) | | 20 |
| b) Filter with Full Face Mask (FFM & RF) | | 2000 |
| Fresh Air Hose Breathing Apparatus | | |
| a) With Half Mask | | 50 |
| b) With Hood (only PAPR) | | 1000 |
| c) With Full Face Mask | | 2000 |
| d) With Mouthpiece Assembly | | 1000 |
| Compressed Airline Breathing Apparatus | | |
| a) With Half Mask | | 20 |
| b) With Hood (Constant flow type) | | 1000 |
| c) With Full Face Mask (Constant flow type) | | 2000 |
| d) With Mouthpiece Assembly | | 10000 |
| Self-Contained Open Circuit Component Air Breathing Apparatus | | |
| a) With Full Face Mask | | 2000 |
| b) With Mouthpiece Assembly | | 10000 |
| c) With Positive Pressure | | 50000 |
| Self-Contained Closed Circuit Oxygen Breathing Apparatus | | |
| a) With Full Face Mask** | | 2000 |
| b) With Mouthpiece Assembly** | | 10000 |
| c) With Positive Pressure** | | 50000 |
| The re-circulation of the gas can reduce the protection factor. | | |

The nominal protection factors are given only for guidance.

**In closed circuit breathing apparatus, the exhaled breath is re-circulated to remove carbon dioxide. Any other contaminant present is also re-circulated and may reduce the effective protection given by the device.

NIOSH CLASSIFICATION & N95 RESPIRATORS

A. Classes of filters defined by NIOSH

Filters are classified by efficiency and performance characteristics against non-oil and oil containing hazards. There are ten classes of NIOSH-approved particulate filtering respirators available at this time. 95% is the minimal level of filtration approved by NIOSH. The N, R, and P designations refer to the filter's oil resistance as described in the table below.

| N (Not Resistant to Oil) | R (Some what Resistant to oil) | P (Oil Proof) |
|--------------------------------------|--|--------------------------|
| N95 = 95% efficiency | R95 = 95% efficiency | P95 = 95% efficiency |
| N99 = 99% efficiency | R99 = 99% efficiency | P99 = 99% efficiency |
| N100 = 99.97% efficiency | R100 = 99.97% efficiency | P100 = 99.97% efficiency |
| HE (High Efficiency Particulate Air) | Filters at least 99.97% of airborne particles. For use on PAPRs only. PAPRs use only HE filters. | |

Filtering efficiency

Levels of filter efficiency are 95%, 99%, and 99.97%. Under NIOSH criteria, filter materials are tested at a flow rate of 85 lpm for penetration by particles with a median aerodynamic diameter of 0.3µ

B. N95 Respirator

The N95 respirator is an example of personal protective equipment that is used to protect the wearer from particles or from liquids contaminating the face. The Centers for Disease Control and Prevention (CDC) and The National Institute for Occupational Safety and Health (NIOSH) regulate N95 respirators. The Department of Labor's Occupational Safety and Health Administration (OSHA) regulates entities for compliance with worker safety rules and OSHA standards, for example, the proper use of respirators in different work environments.

An N95 respirator is a respiratory protective device designed to achieve a very close facial fit and very efficient filtration of airborne particles. Note that the respirators are designed to form a seal around the nose and mouth. Surgical N95 Respirators (FDA Approved) are commonly used in healthcare settings and are a subset of N95 Filtering Facepiece Respirators (FFRs), often referred to as N95.

C. FAQ

1. What is 42CFR84?

The National Institute for Occupational Safety and Health (NIOSH) is the U.S. government agency responsible for the certification and approval of respiratory protective devices for occupational use. The authority is granted to NIOSH in accordance with conditions and standards established in Title 42 Code of Federal Regulations (CFR), Part 84.

2. Whose responsibility is the fit test?

It is the employer's responsibility under OSHA's respiratory protection fit testing requirements. It's important to remember that using a respirator that fits you properly protects your health and safety.

As per OSHA reference, Program Administrator is responsible for the Fit test.

ANNEX H-CHECKLIST FOR RESPIRATOR PROTECTION PROGRAM

3. Whether the NIOSH protocol determines the fit test on a product?

Yes, for Filtering Facepiece Respirators that must be fit tested prior to use, the following Occupational Safety and Health Administration (OSHA) reference must be included in the user instructions:

Before occupational use of this respirator, a written respiratory protection program must be implemented meeting all the local government requirements. In the United States, employers must comply with OSHA 29 CFR 1910.134 which includes medical evaluation, training and fit testing.-Reference CFR 42 Part 84.

4. What do you do with employees who have the facial hair? (What if the beard or moustache is small enough that it is contained inside the respirators?)

Tight-fitting respirators require the wearer's face to be clean shaven where the respirator's seal comes in contact with the skin. If the facial hair does not extend far enough to interfere with the device's seal in any way, or interfere with the function of the exhalation valve, the wearer may wear it with the approval of the respiratory protection administrator.

5. What is the end of service life?

End-of-service-life is when a respirator no longer works correctly. It is when the filtering medium can no longer provide the expected level of protection from harmful air contaminants, and has reached its capacity for capture and retention of the contaminant. Also when breathing while wearing the respirator becomes too difficult, or when the respirator becomes damaged, contaminated, or the integrity of the respirator is no longer intact.

RESPIRATORY PROTECTIVE DEVICES

GUIDE TO USP FEATURE ICONS

“STAY COOL BUTTERFLY VENT VALVE”

The Stay Cool Butterfly Vent Valve, inspired by the butterfly, incorporated in the maintenance-free respirator series & V-900 series of Half Face Mask & Full Face Mask is widely preferred by users. The design facilitates easy and comfortable breathing.

The Valve efficiently expels warm exhaled air high in CO₂% & allows fresh air to enter through the filter, maximizing the comfort for the user. This seemingly simple invention is the most dynamic change we have brought about in the respirator.

The Butterfly Vent Valve is part of our endeavor to combine inspiration from nature's mystique with value-based innovations in our products.



Effectively releases CO₂ & heat build-up



Promotes easy communication



Provides breathing comfort



Full Foam Seal

- ▲ For leak proof comfortable fit on edges & for reuse (R)



Multilingual User Instructions

- ▲ For easy acceptance by different wearers



Outer Flame Retardant Layer

- ▲ Protects from welding sparks



Compatibility

- ▲ Compatible with Venus head protection and eye protection devices



Twist N Click

- ▲ One twist click & fit reusable filters



Lint Free Seal

- ▲ Minimizes the risk of product contamination



Beetle Style

- ▲ Three panel design from single media
- ▲ Soft side panels for skin comfort & rigid center panel of large surface area to stay away from nose & mouth



Half Foam Seal

- ▲ The soft material of the foam cushions the nose bridge thereby providing comfort as well as fit



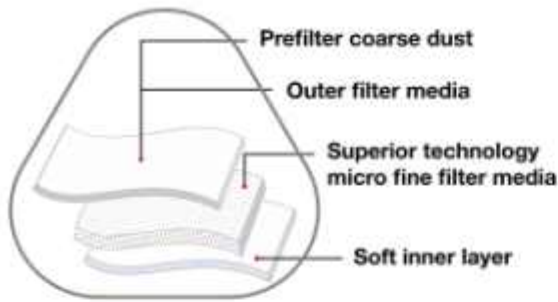
Transparent Valve

- ▲ Transparent valve clearly demonstrates its performance
- ▲ It also supports fit verification



Embedded nose clip

- ▲ No metal exposure/loose parts



Composite multilayer media

▲ Prefilter coarse dust

1. Does not clog the filter
2. High dust holding capacity
3. Can be used over longer period of time

▲ Outer filter media

1. Sheds minimum lint
2. Application friendly

▲ Soft Inner layer

1. Comfort to the wearer
2. Skin friendly even when perspiring

▲ Superior technology micro fine filter media

1. Protects from respirable suspended particulate matter
2. Composite of multiple layers pre-filter, fine filter and skin comfort layer



Unique Adjuster Beads

- ▲ Gives customized fitting option based on size of the user's head and preference of positions
- ▲ Provides optimum comfort, Fit Tight, Fit Right



Colour Coded

- ▲ Headband identification of appropriate level of FFR worn



Pharma-Food industry variant available

- ▲ No metal exposure
- ▲ Minimum lint reduce risk of product contamination



Activated Carbon Layer

- ▲ For absorption of nuisance level of obnoxious odour and vapour



Nose Liner

- ▲ Provides fit and comfort
- ▲ Prevents leakage



Net Reinforced Shell

- ▲ Structure integrity
- ▲ Suits rough handling



Drop Down Headband

- ▲ Convenience of hanging, when not in use



Anti Clogging (D)

- ▲ Having passed dolomite test, they resist clogging even in very high dust environments

RESPIRATORY PROTECTION

PRODUCT STYLES



Filtering Facepiece Respirator-FFR



VENUS-9700
Convex-Mesh Large Filter Style



VENUS-9400
Fold Flat-Mesh Style



VENUS-9200
Convex Mesh-V90 Style



VENUS-4400
Fold Flat-V44 C & V Style



VENUS-4200
Fold Flat-Large Filter V414, 410 Style



VENUS-2900
Convex-Double Shell Style



VENUS-2700
Convex - Large Filter Style



VENUS-2400
Convex - Seam V210 Style



VENUS-2200
Convex-V20 Style



VENUS-1100
Fold Flat - Beetle Style



VENUS V-Shwas
Fold Flat - Ear Loop Style



VENUS V-1010
3ply Surgical -
Ear Loop / Tie Style

V-9400

Fold Flat - Mesh Style

Products available with below approval

IS 9473



CM/L-0007143057



FEATURES AND BENEFITS



Compatible with Other PPE

- Non-interference with other PPE - eye, hearing & head protection



Fold Flat Design

- Easy to store while not in use
- Stylish universal design



Net Reinforced Shell

- Well-integrated structure maintains the shape, disallowing collapse
- Suitable for rough handling



Superior Technology Micro Fine Filter Media

- Made from special engineered fabrics which are extremely easy to breathe in and also provide higher protection of up to 0.3 microns
- Composed of multiple layers: pre-filter, fine filter and skin comfort layer



Embedded Nose Clip

- No metal exposure or loose parts
- Leak-proof fit
- Does not interfere safety of your production (pharma/food)



Nose Liner

- Does not interfere with eyewear
- Prevents leakage through mask
- Does not fog eyewear
- Provides good fit and comfort



Stay Cool Butterfly Vent Valve

- Provides breathing comfort and promotes easy communication
- Removes exhaled air, minimizes the risk of fogging eyewear
- Patented butterfly design which reduces heat build up inside the mask by 10°F
- Helps in breathing comfort and enhances respirator wear for a longer period



Transparent Valve Vent

- Transparent valve clearly demonstrates the performance of valve, it also supports fit verification



Unique Fit Adjuster Beads

- Unique fit adjusters present on the headband can be used to fit the user's face profile
- Convenient to retrieve while using
- Easy to don & suits personal adjustment requirements to provide comfortable fit



Elastic Sewn Outside Filter Area

- Sewn head straps provide better pull strength



Latex Free Textile Elastic

- These materials have long life, are skin friendly and do not deform in high temperature
- Provide soft feel when in contact with skin and provide good fit



VENUS V-9420 V

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L: Upto 12 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110497901 | GREY | SEWN | Pack of 15 |
| 140490401 | GREY | SEWN | Blister pack of 3 |

APPLICATION EXAMPLES

| | |
|------------------|---|
| Automobile | Oil based CNC machine, Powder coating, Maintenance department |
| Battery Industry | Acid handling, Lead handling, Smelting |

| | |
|-------------------|---|
| Chemical Industry | Arsenic, Cadmium, Lead, Other chemical, Powder handling |
| Pharmaceuticals | Bulk drugs, Material handling |
| Miscellaneous | Oil spraying, Lubricating |

V-2700

Convex - Large Filter style

Products available with below approval



0121

EN 149:2001+A1:2009



FEATURES AND BENEFITS



Anti Clogging (NR D)

- Having passed dolomite test, it resists clogging even in high dust environments



Microfibre media

- Provides protection against sub-micron particles, fine dust, water/oil based liquid mist and biological agents



Convex large filter area style

- Good breathing comfort



Transparent Valve

- Transparent valve clearly demonstrates the performance of valve. It also supports fit verification



Stay cool butterfly vent valve

- Provides breathing comfort and promotes easy communication. Effectively removes heat build-up



Front pull adjuster

- With broad elastic gives fit & relieves strap pressure



Full foam seal

- For leakproof comfortable fit on edges



Latex free textile elastic

- Provides comfortable fit
- Non allergic
- Does not deform in high temperature



Elastic welded outside filter media

- Leakproof
- Avoids puncture in filter area



Activated carbon, (V2735)

- For Adsorption of nuisance level of obnoxious odour and vapour



Outer flame retardant layer (V2735)

- Protects from welding sparks



VENUS V-230 SLV

CLASS: FFP3 NR D CE

Protection: Solid Dust / Oil Mist

M.U.L: Upto 30 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110259901 | WHITE | WELDED | Pack of 5 |
| 140256601 | WHITE | WELDED | Blister pack of 1 |



VENUS V-2735 SLOW-V*

CLASS: FFP3 NR D CE

Protection: Solid Dust / Oil Mist / Nuisance Level of odour

M.U.L: Upto 30 x OEL

Activated Carbon layer
Flame retardant outer layer

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110260901 | GREY | WELDED | Pack of 5 |
| 140256701 | GREY | WELDED | Blister pack of 1 |



APPLICATION EXAMPLES

Chemical
Automobile

Battery
Pharmaceuticals
Ceramics

Material handling, Material processing
Painting, Powder coating, Welding,
Maintenance work
Lead handling
Bulk drugs, Material handling
Material mixing

Metal Fabrication
Agriculture
Engineering

Effluent Treatment
Plant

Soldering, Welding, Metal pouring, Smelting
Pesticides, Insecticide spraying
Welding, Sand blasting, Buffing, Powder coating
Painting, Cutting
Maintenance

V-9700

Convex Mesh Large Filter Style



42 CFR Part 84

NIOSH Approved P100 Respirators
Highest Protection



FEATURES AND BENEFITS



Compatible with Other PPE

- Non-interference with other PPE - eye, hearing & head protection



Net Reinforced Shell

- Well-integrated structure maintains the shape, disallowing collapse
- Suitable for rough handling



Superior Technology Micro Fine Filter Media

- Protects against respirable suspended particulate matter while improving breathing comfort
- Composed of multiple layers: pre-filter, fine filter and skin comfort layer
- Protects against water/oil based liquid, mist and biological agent



Cut Seal Edge

- Minimum loose fiber from edge



Wide Aluminum Nose Clip

- Strong flexible clip to get customized fit around nose and avoid fogging of spectacles due to exhalation



Full Foam Seal

- Secure and comfortable fit on edges



Stay Cool Butterfly Vent Valve

- Provides breathing comfort and promotes easy communication
- Removes exhaled air and minimizes the risk of fogging eyewear
- Patented butterfly design which reduces heat build up inside the mask by 10°F
- Helps in breathing comfort and enhances respirator wear for a longer period



Front Pull Adjuster Clips

- Clip welded outside filter area to avoid puncture in filter area
- Relieves strap pressure & fits right



Broad Textile Elastic, Produced from Poly Iso Prene

- Provides comfortable fit
- Good for skin comfort while used in tough conditions
- Does not deform in high temperature



VENUS RPD914P100

CLASS: P100

NIOSH

TC-84A-7887

Protection: Oil based particles

M.U.L. Up to 30 X OEL

| Item # | Colour | Elastic | Packing |
|-----------|---------|---------|-------------------|
| 110262601 | MAGENTA | WELDED | Pack of 5 |
| 140256201 | MAGENTA | WELDED | Blister pack of 1 |

APPLICATION EXAMPLES

Automobile

Oil based CNC machine, Powder coating, Maintenance department

Battery Industry

Acid handling, Lead handling, Smelting

Chemical Industry

Arsenic, Cadmium, Lead, Other chemical, Powder handling

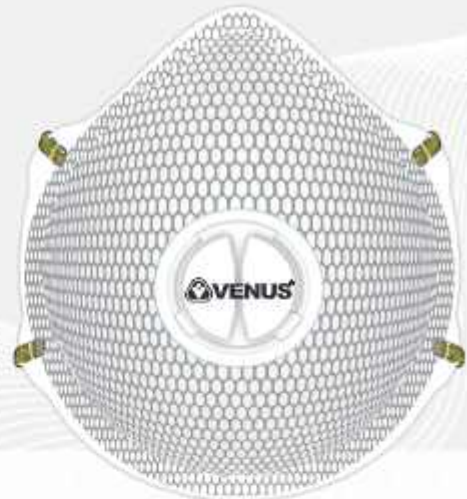
Pharmaceuticals Miscellaneous

Bulk drugs, Material handling
Oil spraying, Lubricating

V-9200

Convex Mesh - V90 Style

Products available with below approvals



FEATURES AND BENEFITS



Compatible with other PPE

- Non-interference with other PPE - eye, hearing & head protection



Dual Shell Design

- Durable in repeat/long wears



Net Reinforced Shell

- Well-integrated structure maintains the shape, disallowing collapse
- Suitable for rough handling



Superior Technology Micro Fine Filter Media

- Protects against respirable particulate suspended particulate matter while improving breathing comfort
- Composed of multiple layers: pre-filter, fine filter and skin comfort layer
- High dust holding capacity, can be used over long/ repeat wearing periods of wear time
- Doesn't let the filter clog, thereby increasing the respirator's life



Cut Seal Edge

- Minimum loose fiber from edges



Embedded Nose Clip

- No metal exposure or loose parts
- Leak-proof fit
- Does not interfere safety of your production (pharma/food)



Braided Textile Elastic

- Does not deform in repeat wear or high temperature



Nose Liner (V-9210)

- Does not interfere with eyewear
- Prevents leakage through mask
- Does not fog eyewear
- Provides good fit and comfort



Half Foam Seal (V-90, V-9220)

- Provides leak-proof and comfortable fit



Full Foam Seal (V-9230)

- Secure and comfortable fit on edges



Stay Cool Butterfly Vent Valve

- Provides breathing comfort and promotes easy communication
- Removes exhaled air, minimizes the risk of fogging eyewear
- Patented butterfly design which reduces heat build up inside the mask by 10°F
- Helps in breathing comfort and enhances respirator wear for a longer period



Transparent Valve Vent

- Transparent valve clearly demonstrates the performance of valve, it also supports fit verification



Unique Fit Adjuster Beads

- Unique fit adjusters present on the headband can be used to fit the user's face profile
- Convenient to retrieve while using
- Easy to don & suits personal adjustment requirements to provide a comfortable fit



Elastic Sewn Outside Filter Area

- Sewn head straps provide better pull strength



VENUS V-90 V

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L: Upto 12 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|---------------|---------|-------------------|
| 110904701 | YELLOW | SEV/N | Pack of 10 |
| 110904801 | GREY | SEV/N | Pack of 10 |
| 140903601 | GREY | SEV/N | Blister pack of 3 |



VENUS V-90+V DURA

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L: Upto 12 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|---------------|---------|------------|
| 110903801 | YELLOW | SEV/N | Pack of 10 |
| 110904001 | WHITE | SEV/N | Pack of 10 |
| 110903901 | GREY | SEV/N | Pack of 10 |
| 110904101 | L BLUE | SEV/N | Pack of 10 |



VENUS V-9210 SLV

CLASS: FFP1 NR D 

Protection: Solid Dust / Mist

M.U.L: Upto 4 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|-------------|---------|------------|
| 110905101 | BLUE | SEWN | Pack of 10 |



VENUS V-9220 SLV

CLASS: FFP2 NR D 

Protection: Solid Dust / Mist

M.U.L: Upto 10 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|-------------|---------|------------|
| 110905001 | GREY | SEV/N | Pack of 10 |



VENUS V-9230 SLV

CLASS: FFP3 NR D 

Protection: Solid Dust / Mist

M.U.L: Upto 30 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------------|---------|-------------------|
| 110904901 | WHITE | SEV/N | Pack of 10 |
| 140903701 | WHITE | SEWN | Blister pack of 3 |

APPLICATION EXAMPLES

Automobile
Construction
Ceramics
Cement

Buffing, Cutting, Grinding
Sanding, Drilling, Cutting, Carpentry
Moulding, Material handling, Raw material storage
Crushing, Bagging, Cement handling

Engineering
Mining
Tyre

Sand Blasting, Cutting
Drilling, Material handling
Carbon black

V-4400

"FOLD FLAT" V & C Style

Products available with below approvals



FEATURES AND BENEFITS



Lightweight

- Lightweight construction promotes greater worker acceptance and may help increase wear time



Compatible with other PPE

- Non-interference with other PPE - eye, hearing & head protection



Superior Technology Micro Fine Filter Media

- Protects against respirable particulate suspended particulate matter while improving breathing comfort
- Composed of multiple layers: pre-filter, fine filter and skin comfort layer



Dotted Pattern Edges

- For soft feel on face contours



Transparent Valve Vent

- Transparent valve clearly demonstrates the performance of valve, it also supports fit verification



FDA approval series respirator undergo additional tests for

- Fluid & Splash resistance which helps reduce potential exposure to blood & body fluid
- Cytotoxicity test where respirator is tested against causing skin allergies and irritation
- Flammability test where respirator is exposed to flames in controlled environment.



Unique fit adjusters

- Unique fit adjusters present on head band which can be used to fit user face profile.



Unique Fit Adjuster Beads

- Unique fit adjusters present on the headband can be used to fit the user's face profile
- Convenient to retrieve while using
- Easy to don & suits personal adjustments requirements to provide a comfortable fit



Broad Textile Elastic, Produced from Poly Iso Prene

- Provides comfortable fit, good for skin comfort while use in tough conditions
- Does not deform in high temperature



Elastic Welded/Stapled Outside Filter Area

- Welded head strap which provides leak-proof and optimum comfort



Embedded Nose Clip

- No metal exposure or loose parts
- Leak-proof fit
- Does not interfere safety of your production (pharma/food)



Fold flat "C" Shape mask

- Stylish universal design which gives better visibility to user
- Easy to store when not in use



Each mask is individually single packed

- Protects from contamination
- Easy storage-dispensing

APPLICATION EXAMPLES

Agriculture

Textiles

Food & Beverages

Medical

Grain dust, Pollen dust

Spinning, Weaving

Food processing and raw material handling

Doctors, Supporting staff, Patients

Hospitality

Road & Traffic

House-keeping services, General use

Road pollution



VENUS V-44+

CLASS: FFP1 S 

Protection: Solid Dust / Mist

M.U.L: Upto 4 x OEL

V Style

| Item # | Colour | Elastic | Packing |
|-----------|---------------|---------|-------------------|
| 110498001 | YELLOW | STAPLED | Bag of 50 |
| 110498002 | YELLOW | STAPLED | Carton of 1000 |
| 140490201 | YELLOW | STAPLED | Blister pack of 3 |



VENUS V-44++

CLASS: FFP1 S 

Protection: Solid Dust / Mist

M.U.L. : Upto 4 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|---------------|---------|-----------|
| 110497701 | YELLOW | STAPLED | Bag of 50 |
| 110497801 | GREY | STAPLED | Bag of 50 |
| 110498101 | WHITE | WELDED | Bag of 50 |
| 110494801 | WHITE | STAPLED | Bag of 50 |



VENUS V-404 Ear-loop

CLASS: FFP1 S 

Protection: Solid Dust / Mist

M.U.L: Upto 4 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|---------------|---------|------------|
| 110499201 | GREY | WELDED | Pack of 50 |
| 110499301 | YELLOW | WELDED | Pack of 50 |



VENUS V-444+

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L. : Upto 12 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|----------------|---------|-------------------|
| 110499401 | LYELLOW | STAPLED | Bag of 50 |
| 140490101 | LYELLOW | STAPLED | Blister pack of 3 |



VENUS V-4400 SN95

CLASS: Surgical/N95 

US FDA Approved

TC-84A-9378

Protection: Non oil based particles

| Item # | Colour | Elastic | Packing |
|-----------|----------------|---------|-------------------|
| 130404301 | V/WHITE | WELDED | Single's Bag |
| 140489801 | V/WHITE | WELDED | Blister pack of 3 |

Note: Fluid resistance conforms to ASTM F1862 at 120 mmHg.



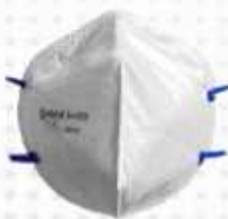
VENUS V-4400 N95

CLASS: N95 

TC-84A-8126

Protection: Non oil based particles

| Item # | Colour | Elastic | Packing |
|-----------|--------------|---------|---------------------|
| 130404401 | WHITE | WELDED | Pack of 50 |
| 130404501 | WHITE | WELDED | Singles, pack of 25 |
| 140489701 | WHITE | WELDED | Blister pack of 3 |



VENUS V-4410 SL

CLASS: FFP1 SL 

Protection: Solid Dust / Mist

M.U.L. : Upto 4 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------------|---------|-------------------|
| 140490001 | WHITE | WELDED | Blister pack of 3 |



VENUS V-4420 SLV

CLASS: FFP2 SL 

Protection: Solid Dust / Mist

M.U.L. : Upto 10 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------------|---------|-------------------|
| 140487701 | WHITE | WELDED | Blister pack of 3 |

V-4400

"Fold Flat" - C Style



FEATURES AND BENEFITS



Lightweight

- Lightweight construction promotes greater worker acceptance and may help increase wear time



Compatible with other PPE

- Non-interference with other PPE - eye, hearing & head protection



Superior Technology Micro Fine Filter Media

- Protects against respirable particulate suspended particulate matter while improving breathing comfort
- Composed of multiple layers: pre-filter, fine filter and skin comfort layer



Unique Fit Adjuster Beads

- Unique fit adjusters present on the headband can be used to fit the user's face profile
- Convenient to retrieve while using
- Easy to don & suits personal adjustments requirements to provide a comfortable fit



Knitted Elastic

- Comfortable and safe while in use



Elastic Welded / Stapled Outside Filter Area

- Welded head-strap which provides leak-proof and optimum comfort



VENUS V-4420+ IN95

CLASS: IN95 

Protection: Solid Dust / Mist

M.U.L.: Upto 12 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 130414401 | WHITE | WELDED | Pack of 50 |



VENUS V-4420 E

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L.: Upto 12 x OEL

C Style

| Item # | Colour | Elastic | Packing |
|-----------|--------|-----------------|-------------------------|
| 130404601 | WHITE | WELDED Ear-loop | Single's Bag Pack of 25 |
| 130404701 | WHITE | WELDED Ear-loop | Pack of 50 |



VENUS V-4420+

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L.: Upto 12 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 130403901 | WHITE | WELDED | Single's Bag |
| 130404001 | WHITE | WELDED | Pack of 50 |
| 110425501 | LBLUE | WELDED | Pack of 50 |
| 140489901 | WHITE | WELDED | Blister Pack of 3 |

APPLICATION EXAMPLES

Agriculture
Textiles
Food & Beverages
Medical

Grain dust, Pollen dust
Spinning, Weaving
Food processing and raw material handling
Doctors, Supporting staff, Patients

Hospitality
Road & Traffic

House-keeping services, General use
Road pollution

V-1010

“3 Ply” Style Surgical Ear-loop / Tie

IS 16289



CM/L-7800022615

Approved Class 1, 2, available.
(Bacteria Filtering efficiency) of 98%



FEATURES AND BENEFITS



Class of filters in 3 Ply

- ▲ Class3 masks are certified and tested against Fluid & Splash resistance which helps reduce potential exposure to blood & body fluid
- ▲ Class2 mask have BFE (Bacteria Filtering efficiency) of 98%



Embedded nose clip inside the mask

- ▲ No metal exposure or lose parts
- ▲ Metal nose clip provides good fit over plastic wire



Welded head strap

- ▲ Leak-proof & Optimum comfort



Latex free textile strap

- ▲ These materials have long life are skin friendly and do not deform in high temperature
- ▲ Provide soft feel when in contact with skin and provide good fit.



Available in 2 headband styles

- ▲ Ear loop for easy donning and doffing
- ▲ Necktie to give secure fit as per face profile



Large face coverage

- ▲ Large breathing space within mask.
- ▲ 3 panel design to cover wide face area



Dispenser pack

- ▲ Packaged in easy to open



VENUS V-1010 Earloop

CLASS: 1 & 2 

Protection: Solid Dust / Mist

| Item # | Colour | Elastic | Packing |
|-----------|---------|---------------------------|------------|
| 130402301 | L.Blue | Ear loop welded - Class 2 | Pack of 50 |
| 130415101 | L.Green | Ear loop welded - Class 1 | Pack of 50 |

VENUS V-1010 Tie

CLASS: 2 

Protection: Solid Dust / Mist

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 130402201 | L.Blue | Tie | Pack of 50 |

APPLICATION EXAMPLES

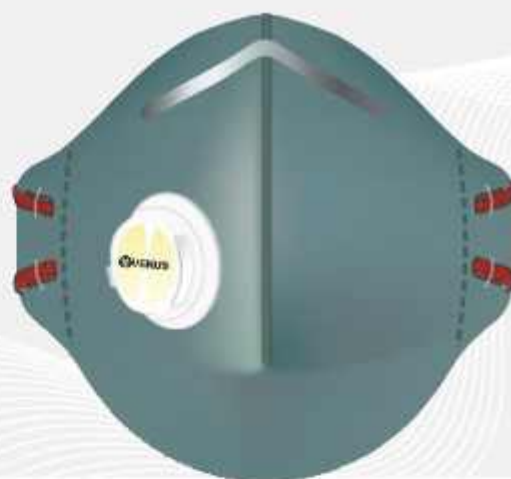
Healthcare :
General Doctors, Dentist.

Laboratory :
Phlebotomist, Pathologist etc.

V-4200

Fold Flat - Large filter V414, V410 Style

Products available with below approvals



FEATURES AND BENEFITS



Anti-Clogging

- Allow to use in single shift
- Single Layer respirator



Compatible with other PPE

- Non-interference with other PPE - eye, hearing & head protection



Activated Carbon Granules Sandwiched Fabric Layer (V-414, V-425)

- Filter nuisance level organic vapour gases below TLV



Flame Retardant Outer Media (V-425)

- Enhanced user safety to protect from welding spark



Superior Technology Micro Fine Filter Media

- Protects against sub-micron particles, fine dust, water/oil based liquid mist and microbial agents



Embedded Nose Clip (V-4200, V-430)

- No metal exposure or loose parts
- Leak-proof fit
- Does not interfere safety of your production (pharma/food)



Big Nose Liner

- Does not interfere with eyewear
- Prevents leakage through mask
- Does not fog eyewear
- Provides good fit and comfort



Stay Cool Butterfly Vent Valve

- Provides breathing comfort and promotes easy communication
- Removes exhaled air, minimizes the risk of fogging eyewear
- Patented butterfly design which reduces heat build up inside the mask by 10°F



Transparent Vent Valve

- Transparent valve clearly demonstrates the performance of valve, it also supports fit verification



Unique Fit Adjuster Beads

- Unique fit adjusters present on the headband can be used to fit user face profile
- Convenient to retrieve while using
- Easy to don & suits personal adjustments requirements to provide comfortable fit



Elastic Sewn Outside Filter Area

- Sewn head straps provide better pull strength



Latex Free Textile Elastic

- These materials have long life, are skin friendly and do not deform in high temperature
- Provide soft feel when in contact with skin and provide good fit



VENUS V-430 SL

CLASS: FFP3 NR D CE
Protection: Solid Dust / Mist
M.U.L: Upto 30 x OEL
Inside Clip & Nose Liner

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110499001 | WHITE | SEWN | Pack of 15 |



VENUS V-430 SLV

CLASS: FFP3 NR D CE
M.U.L: Upto 30 x OEL
Protection: Solid Dust / Mist
Inside Clip & Nose Liner
Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110496601 | GREY | SEWN | Pack of 15 |
| 110498501 | WHITE | SEWN | Pack of 15 |

*Note: This respirator nuisance level relief from organic vapor / acid gas that are below OEL. Nuisance level refers to concentrations not exceeding OEL.

APPLICATION EXAMPLES

Automobile

Painting, Powder coating, Welding, Maintenance work

Metal Fabrication

Soldering, Welding, Metal Pouring, Smelting

Agriculture

Pesticides, Insecticide spraying

Chemical Effluent

Material handling, Material processing

Engineering

Welding, Sand blasting, Buffing, Powder coating, Painting, Cutting

Pharmaceuticals

Bulk drugs, Material handling

Battery

Lead handling

Ceramics


Material mixing



VENUS V-410

CLASS: FFP1 SL NR D 
CLASS: FFP1 S 



Protection: Solid Dust / Mist
M.U.L: Upto 4 x OEL

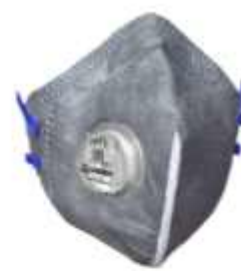
| Item # | Colour | Elastic | Packing | |
|-----------|--------|---------|------------|---|
| 110496801 | YELLOW | SEWN | Pack of 30 | €€ |
| 110496701 | GREY | SEWN | Pack of 30 | €€ |
| 110497401 | YELLOW | STAPLED | Pack of 30 |  |



VENUS V-410 V

CLASS: FFP1 S 
CLASS: FFP1 SL NR D 
Protection: Solid Dust / Mist
M.U.L: Upto 4 x OEL
Exhalation Vent Valve

| Item # | Colour | Elastic | Packing | |
|-----------|--------|---------|-------------------|---|
| 110497601 | YELLOW | STAPLED | Pack of 20 |  |
| 110497501 | GREY | STAPLED | Pack of 20 |  |
| 110497001 | YELLOW | SEWN | Pack of 20 | €€ |
| 110496901 | GREY | SEWN | Pack of 20 | €€ |
| 140490601 | YELLOW | STAPLED | Blister Pack of 3 | |



VENUS V-410+ V Nova

CLASS: FFP1 S 
Protection: Solid Dust / Mist
M.U.L: Upto 4 x OEL
Exhalation Vent Valve
Embedded Nose Clip

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110492701 | YELLOW | STAPLED | Pack of 20 |
| 110492801 | GREY | STAPLED | Pack of 20 |



VENUS V-4214 SLOW-V*

CLASS: FFP1 NR D 
Protection: Solid Dust / Oil Mist /
Nuisance Level of Organic Vapour /
Gases below > TLV
M.U.L: Upto 4 x OEL
Exhalation Vent Valve
Activated Carbon Layer

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110495901 | GREEN | SEWN | Pack of 15 |



VENUS V-414 SLOW-V*

CLASS: FFP2 NR D 
Protection: Solid Dust / Mist /
Nuisance Level of Organic Vapour /
Gases below > TLV
M.U.L: Upto 10 X OEL
Exhalation Vent Valve
Activated Carbon Layer

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110495601 | GREEN | SEWN | Pack of 15 |
| 140490701 | GREEN | SEWN | Blister pack of 2 |



VENUS V-425 SLOW-V*

CLASS: FFP2 NR D 
Protection: Solid Dust / Mist /
Nuisance Level of Organic Vapour /
Gases below > TLV
M.U.L: Upto 10 X OEL
Exhalation Vent Valve
Activated Carbon & Flame Retardant
Outer Layer

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110495701 | GREY | SEWN | Pack of 15 |
| 110498501 | WHITE | SEWN | Pack of 15 |
| 140490801 | GREY | SEWN | Blister Pack of 2 |



VENUS V-420 SL

CLASS: FFP2 NR D 
Protection: Solid Dust / Mist
M.U.L: Upto 10 X OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110497101 | WHITE | SEWN | Pack of 30 |




VENUS V-420 SLV

CLASS: FFP2 NR D 
Protection: Solid Dust / Mist
M.U.L: Upto 10 X OEL
Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110497301 | WHITE | SEWN | Pack of 15 |
| 110497201 | GREY | SEWN | Pack of 15 |
| 140490901 | WHITE | SEWN | Blister pack of 3 |



VENUS V-4200 N95

CLASS: N95 
TC-84A-8112
Protection: Non oil based particles
Inside clip & Nose liner
Exhalation vent valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 130403801 | WHITE | WELDED | Single's Bag |
| 140490501 | WHITE | WELDED | Blister pack of 3 |

V-2900

Convex - Double Shell Style

Products available with below approvals



EN 149:2001+A1:2009



42 CFR Part 84



FEATURES AND BENEFITS



Anti-Clogging

- Allow to use in multiple shift
- Single layer respirator



Compatible with other PPE

- Non-interference with other PPE - eye, hearing & head protection



Dual Shell Design

- Primary filter supports high dust retention capacity



Activated Carbon Granules Sandwiched Fabric Layer (RPD814P95, RPD714N950AO)

- For Adsorption of nuisance level of obnoxious odour and vapour



Flame Retardant Outer Media

- Enhanced user safety to protect from welding spark



Superior Technology Micro Fine Filter Media

- Protects against respirable particulate suspended particulate matter while improving breathing comfort
- Doesn't let the filter clog thereby increasing the respirator's life



Wide Aluminum Nose Clip

- Strong flexible clip to get customized fit around nose and avoid fogging of spectacles due to exhalation



Stay Cool Butterfly Vent Valve

- Provides breathing comfort and promotes easy communication
- Removes exhaled air, minimizes the risk of fogging eyewear
- Patented butterfly design which reduces heat build up inside the mask by 10°F
- Helps in breathing comfort and enhances respirator wear for a longer period



Transparent Valve Vent

- Transparent valve clearly demonstrates the performance of valve, it also supports fit verification



Unique Fit Adjuster Beads

- Unique fit adjusters present on the headband can be used to fit the user's face profile
- Convenient to retrieve while using
- Easy to don & suits personal adjustment requirements to provide a comfortable fit



Front Pull Adjuster Clips

- Clip welded outside filter area to avoid puncture in filter area
- Relieves strap pressure & fits right



Elastic Welded / Stapled Outside Filter Area

- Welded head strap which provides leak-proof and optimum comfort



Latex Free Textile Elastic

- These materials have long life, are skin friendly and do not deform in high temperature
- Provide soft feel when in contact with skin and provide good fit

*Note: This respirator nuisance level relief from organic vapor / acid gas that are below OEL. Nuisance level refers to concentrations not exceeding OEL.

APPLICATION EXAMPLES

Automobile
Cement
Ceramics
Chemical
Construction

Powder coating, Oil spraying
Crushing, Bagging, Cement handling
Material mixing
Material handling
Sanding, Drilling, Cutting

Engineering
Mining
Pharmaceuticals
Textiles
Tyre

Sand Blasting, Cutting
Drilling, Material handling
Bulk drugs, Material handling
Spinning, Weaving
Carbon black



VENUS V-2910 SLV

CLASS: FFP1 NR D CE
Protection: Solid Dust / Mist
M.U.L: Upto 4 x OEL
Exhalation Vent Valve
Nose Liner

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110261701 | WHITE | SEWN | Pack of 10 |



VENUS V-2920 SLV

CLASS: FFP2 NR D CE
Protection: Solid Dust / Mist
M.U.L: Upto 10 x OEL
Exhalation Vent Valve
Half Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110261801 | WHITE | SEWN | Pack of 10 |




VENUS V-2930 SLV

CLASS: FFP3 NR D CE
Protection: Solid Dust / Mist
M.U.L: Upto 30 x OEL
Exhalation Vent Valve
Full Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-----------|
| 110261601 | WHITE | WELDED | Pack of 5 |




VENUS RPD513N95

CLASS: N95 
TC- 84A-7872
Protection: Non oil based particles
Nose Liner

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110262001 | WHITE | WELDED | Pack of 20 |




VENUS RPD514N95

CLASS: N95 
TC- 84A-7873
Protection: Non oil based particles
Exhalation Vent Valve
Nose Liner

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110262101 | WHITE | WELDED | Pack of 10 |




VENUS RPD713N95

CLASS: N95 
TC- 84A-7874
Protection: Non oil based particles
Half Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110261901 | WHITE | WELDED | Pack of 20 |




VENUS RPD714N95

CLASS: N95 
TC- 84A-7875
Protection: Non oil based particles
Exhalation Vent Valve
Half Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110262201 | WHITE | WELDED | Pack of 10 |
| 140256101 | WHITE | WELDED | Blister pack of 3 |



VENUS RPD714N950A0

CLASS: N95 
TC- 84A-7881
Protection: Non oil based particles
Exhalation Vent Valve
Half Foam Seal
Nuisance Level of VOCs / acid gas / ozone
Activated carbon layer

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110262301 | WHITE | WELDED | Pack of 10 |
| 140256301 | WHITE | WELDED | Blister pack of 3 |




VENUS RPD814P95

CLASS: P95 
TC- 84A-7885
Protection: Oil based particles
Exhalation Vent Valve
Full Foam Seal
Flame Retardant outer layer

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110262501 | WHITE | WELDED | Pack of 10 |
| 140256501 | WHITE | WELDED | Blister pack of 3 |




*VENUS RPD814P950A

CLASS: P95 
TC- 84A-7884
Protection: Oil based particles
Exhalation Vent Valve | Full Foam Seal
Nuisance Level of VOCs / acid gas /
Activated carbon layer
Flame Retardant outer layer

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110262701 | WHITE | WELDED | Pack of 5 |
| 140256401 | WHITE | WELDED | Blister pack of 1 |



VENUS RPD614P95

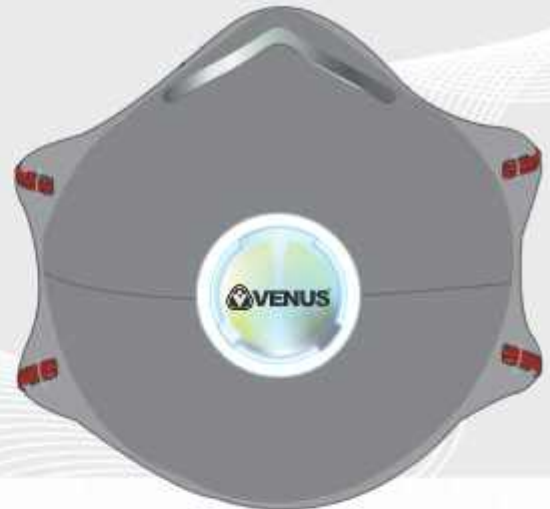
CLASS: P95 
TC- 84A-8144
Protection: Oil based particles
Exhalation Vent Valve
Half Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110262401 | WHITE | WELDED | Pack of 10 |

V-2400

Convex - Cup Seam Style

Products available with below approvals



FEATURES AND BENEFITS



Anti-Clogging

- Allow to use in multiple shift
- Single layer respirator



Compatible with other PPE

- Non-interference with other PPE - eye, hearing & head protection



Convex Cup Seam Style

- Popular face fitting, high performance
- No interference with communication
- Maintains high integrity of filter media
- Accommodates facial movements
- Classic collapse-resistance shell with seamed filter cover



Tough Shell

- Well-integrated structure maintains the shape disallowing collapse



Activated Carbon Granules Sandwiched Fabric Layer (V-2425, 2426, 2424, 2425, 2428, CN95 OV)

- For Adsorption of nuisance Level of obnoxious odour and vapour



Flame Retardant Outer Media (V2425)

- Enhanced user safety to protect from welding spark



Superior Technology Micro Fine Filter Media

- Protects against respirable particulate suspended particulate matter while improving breathing comfort
- Composed of multiple layers: pre-filter, fine filter and skin comfort layer
- Made from special engineered fabrics which are extremely easy to breathe but also provide higher protection up to 0.3micron



Aluminum nose clip

- Leak-proof fit
- It does not permit eyewear fogging



Stay Cool Butterfly Vent Valve

- Provides breathing comfort and promotes easy communication
- Removes exhaled air, minimizes the risk of fogging eyewear
- Patented butterfly design which reduces heat build up inside the mask by 10°F
- Helps in breathing comfort and enhances respirator wear for a longer period



Transparent Valve Vent

- Transparent valve clearly demonstrates the performance of valve, it also supports fit verification



Unique Fit Adjuster Beads

- Unique fit adjusters present on the headband can be used to fit the user's face profile
- Convenient to retrieve while using
- Easy to don & suits personal adjustment requirements to provide a comfortable fit



Elastic Sewn Outside Filter Area

- Sewn head straps which provides better pull strength

*Note: This respirator nuisance level relief from organic vapor / acid gas that are below OEL. Nuisance level refers to concentrations not exceeding OEL.

APPLICATION EXAMPLES

Chemical Automobile

Material handling, Material processing
Painting, Powder coating, Welding,
Maintenance work

Battery Pharmaceuticals Ceramics

Lead handling
Bulk drugs, Material handling
Material mixing

Metal Fabrication Agriculture Engineering

Effluent Treatment Plant

Soldering, Welding, Metal pouring, Smelting
Pesticides, Insecticide spraying
Welding, Sand blasting, Buffing, Powder coating
Painting, Cutting
Maintenance



VENUS V-2424 SLOV-V

CLASS: FFP2 SLOV-V
 Protection: Solid Dust / Oil Mist
 Nuisance Level of Organic Vapour
 Mist & Odour < TLV
 M.U.L: Upto 12 x OEL
 Full Foam Seal
 Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110260701 | GREY | SEWN | Pack of 10 |
| 140257201 | GREY | SEWN | Blister pack of 3 |



VENUS V-2426 SL-AC

CLASS: FFP2 SL
 Protection: Solid Dust / Oil Mist
 Nuisance Level of Odour Acid Gas < TLV
 M.U.L: Upto 12 x OEL
 Full Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110259801 | BLUE | SEW/N | Pack of 10 |
| 140257301 | D.BLUE | SEW/N | Blister pack of 3 |



VENUS V-2427 SL-HF

CLASS: FFP2 SL
 Protection: Solid Dust / Oil Mist
 Nuisance Level of HF Odour < TLV
 M.U.L: Upto 12 x OEL
 Full Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110260601 | L.BLUE | SEWN | Pack of 10 |
| 140257401 | L.BLUE | SEWN | Blister pack of 3 |



VENUS V-2425 SLOV-V

CLASS: FFP2 SLOV
 Protection: Solid Dust / Oil Mist
 Nuisance Level of Odour
 Flame Retardant Outer Layer
 M.U.L: Upto 12 x OEL
 Full Foam Seal
 Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110260501 | GREY | SEWN | Pack of 10 |
| 140257501 | GREY | SEWN | Blister pack of 3 |



VENUS V-2428 SL-AM

CLASS: FFP2 SL
 Protection: Solid Dust / Oil Mist
 Nuisance Level of Ammonia < TLV
 M.U.L: Upto 12 x OEL
 Full Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|---------|---------|-------------------|
| 110260801 | D.GREEN | SEWN | Pack of 10 |
| 140257601 | D.GREEN | SEWN | Blister pack of 3 |



VENUS V-210 SL

CLASS: FFP1 NR D
 Protection: Solid Dust / Oil Mist
 M.U.L: Upto 4 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110259701 | WHITE | SEWN | Pack of 25 |



VENUS V-210 SLV

CLASS: FFP1 NR D
 Protection: Solid Dust / Oil Mist
 M.U.L: Upto 4 x OEL
 Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110260001 | WHITE | SEWN | Pack of 15 |



VENUS V-220 SL

CLASS: FFP2 NR D
 Protection: Solid Dust / Oil Mist
 M.U.L: Upto 10 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110260201 | WHITE | SEWN | Pack of 25 |



VENUS V-220 SLV

CLASS: FFP2 NR D
 Protection: Solid Dust / Oil Mist
 M.U.L: Upto 10 x OEL
 Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110260301 | WHITE | SEWN | Pack of 15 |




VENUS V-2430 SLV

CLASS: FFP3 NR D CE
 Protection: Solid Dust / Oil Mist
 M.U.L: Upto 30 x OEL
 Exhalation Vent Valve
 Full Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110261101 | WHITE | SEWN | Pack of 10 |




VENUS CN95 OV

CLASS: N95 
 TC- 84A-5632
 Protection: Non oil based particles
 Nuisance Level of odour
 Activated carbon layer

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110260401 | GREY | SEWN | Pack of 15 |




VENUS CN95+

CLASS: N95 
 TC- 84A-7516
 Protection: Non oil based particles

| Item # | Colour | Elastic | Packing |
|-----------|--------|----------------|-------------------|
| 110258601 | WHITE | STAPLED RUBBER | Pack of 20 |
| 140255901 | WHITE | STAPLED RUBBER | Blister pack of 3 |




VENUS CVN95+

CLASS: N95 
 TC- 84A-7514
 Protection: Non oil based particles
 Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|----------------|------------|
| 110261001 | WHITE | STAPLED RUBBER | Pack of 15 |


VENUS CVN95

CLASS: N95 
 TC- 84A-5631
 Protection: Non oil based particles
 Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110260101 | WHITE | SEWN | Pack of 15 |
| 140257101 | WHITE | SEWN | Blister pack of 3 |




VENUS V-2400 N95+

CLASS: N95 
 TC- 84A-9300
 Protection: Non oil based particles
 Nose Liner

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110262801 | WHITE | STAPLED | Pack of 20 |



VENUS V-2400 VN95+

CLASS: N95 
 TC- 84A-9301
 Protection: Non oil based particles
 Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110268101 | WHITE | STAPLED | Pack of 15 |




VENUS CN95

CLASS: N95 
 TC-84A-5492
 Protection: Non oil based particles

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 130262901 | WHITE | SEWN | Pack of 20 |
| 140257001 | WHITE | SEWN | Blister pack of 3 |



VENUS V-2400SN95+

CLASS: N95 
 TC-84A-9264
 Protection: Non oil based particles

Size: Small

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 130263001 | WHITE | STAPLED | Pack of 25 |
| 140256001 | WHITE | STAPLED | Blister pack of 3 |

V-1100

"FOLD FLAT" - Beetle Style

Products available with below approvals

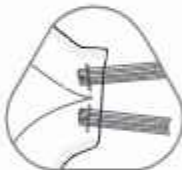


FEATURES AND BENEFITS



Unique 3 Panel Beetle Design

- Accommodates facial movements which help you work and talk comfortably
- Fits wide profile of face shapes and sizes.
- Soft sides provides face seal comfort still centre stays away from mouth yet fits closely at the sides



Sewn head strap

- Provides better pull strength



Unique Fit Adjusters

- Present on head band which can be used to fit user face profile.



Latex free textile strap

- These materials have long life are skin friendly and do not deform in high temperature
- Provide soft feel when in contact with skin and provide good fit.



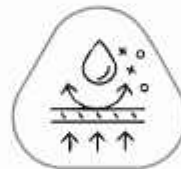
Embedded nose clip

- No metal exposure or lose parts
- Metal nose clip provides good fit



Superior technology micro fine filter media

- Made from special engineered fabrics which are extremely easy to breathe but also provide higher protection up to 0.3micron
- Composed of multiple layers which include pre-filter, fine filter & skin comfort layer



Fluid /Splash resistance for Medical Respirator

- Helps reduce potential exposure to blood and body fluids caused from splashes, spray or splatter



Stay Cool Butterfly vent valve (V-1120SLV & V-1130 SLV)

- Patented Butterfly design which reduces heat buildup inside mask by 10°F
- Helps in breathing comfort and enhances respirator wear for longer period



Compatible with other PPE's

- Noninterference with other PPE's Eye & hearing protection & head Protection.

Note: *For IS 19022 Below application not applicable.

APPLICATION EXAMPLES

Healthcare :
General Doctors, Dentist , Ophthalmologist, Surgeons, Physicians etc.

Laboratory :
Phlebotomist, Pathologist etc.

Pharmaceuticals :
Bulk drug, Charging application etc.



VENUS RPD723N95

CLASS: N95 **MOSH**

TC- 84A-7876

Protection: Non oil based particles

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 130404101 | WHITE | SEWN | Pack of 15 |
| 140491101 | WHITE | SEWN | Blister pack of 3 |



VENUS RPD724N95

CLASS: N95 **MOSH**

TC- 84A-7880

Protection: Non oil based particles

Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 130403701 | WHITE | SEWN | Pack of 10 |



VENUS Beetle V1110 SL

CLASS : FFP1 NR D CE

Protection: Solid Dust / Oil Mist

M.U.L : Upto 4 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 130403501 | WHITE | SEWN | Pack of 15 |



VENUS Beetle V1110 SLV

CLASS : FFP1 NR D CE

Protection: Solid Dust / Oil Mist

M.U.L : Upto 4 x OEL

Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 130403201 | WHITE | SEWN | Pack of 10 |



VENUS Beetle V1120 SL

CLASS : FFP2 NR D CE

Classification : EN 149:2001 + A1:2009

Protection: Solid Dust / Oil Mist

M.U.L:Upto 10 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 130403601 | WHITE | SEWN | Pack of 15 |



VENUS Beetle V1120 SLV

CLASS : FFP2 NR D CE

Classification : EN 149:2001 + A1:2009

Protection: Solid Dust / Oil Mist

M.U.L:Upto 10 x OEL

Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 130403301 | WHITE | SEWN | Pack of 10 |



VENUS Beetle V1130 SLV

CLASS : FFP3 NR D CE

Classification : EN 149:2001 + A1:2009

Protection: Solid Dust / Oil Mist


M.U.L:Upto 30 x OEL

Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 130403401 | WHITE | SEWN | Pack of 10 |



VENUS Beetle V1120 Lite

CLASS : IN95 


Protection: Solid Dust / Oil Mist

M.U.L:Upto 12 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|----------------------|
| 130491601 | WHITE | WELDED | Single's, Pack of 25 |



VENUS Beetle V1110+

CLASS : IN99 

Protection: Solid Dust / Oil Mist


M.U.L:Upto 30 x OEL

Exhalation Vent Valve

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|---------|
| 130492001 | WHITE | WELDED | |



VENUS V-Shwas Beetle BFC

CLASS : BFC 

Protection: Solid Dust / Oil Mist

M.U.L :Upto 4 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|---------|
| 130492101 | WHITE | WELDED | |



VENUS V-Shwas Beetle BFC

CLASS : BFC 

Protection: Solid Dust / Oil Mist

M.U.L :Upto 4 x OEL

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|----------|
| 130492101 | BLACK | WELDED | Bag of 3 |

V-2200

Convex - V20 Style

Products available with below approvals



FEATURES AND BENEFITS



Lightweight

- Lightweight construction promotes greater worker acceptance and may help increase wear time



Compatible with other PPE

- Non-interference with other PPE - eye, hearing & head protection



Convex Cup Seam Style

- Popular face fitting



Dual Shell Design

- Durable in repeat/long wears



Wide Aluminum Nose Clip

- Strong flexible clip to get customized fit around nose and avoid fogging of spectacles due to exhalation



Transparent vent Valve

- Transparent valve clearly demonstrates the performance of valve, it also supports fit verification



Stay Cool Butterfly Vent Valve

- Provides breathing comfort and promotes easy communication
- Removes exhaled air minimizes the risk of fogging eyewear
- Patented butterfly design which reduces heat build up inside the mask by 10°F
- Helps in breathing comfort and enhances respirator wear for a longer period



Unique Fit Adjuster Beads

- Unique fit adjusters present on the headband which can be used to fit the user's face profile
- Convenient to retrieve while using
- Easy to don & suits personal adjustments requirements to provide a comfortable fit



Elastic Sewn Outside Filter Area

- Sewn head straps provides better pull strength



Latex Free Textile Elastic

- These materials have long life, are skin friendly and do not deform in high temperature
- Provide soft feel when in contact with skin and provide good fit

APPLICATION EXAMPLES

Chemical Automobile

Material handling, Material processing
Painting, Powder coating, Welding,
Maintenance work

Battery Pharmaceuticals Ceramics

Lead handling
Bulk drugs, Material handling
Material mixing

Metal Fabrication Agriculture Engineering

Effluent Treatment Plant

Soldering, Welding, Metal pouring, Smelting
Pesticides, Insecticide spraying
Welding, Sand blasting, Buffing, Powder coating
Painting, Cutting
Maintenance



VENUS V-20 V

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L: Upto 12 x OEL

Exhalation Valve Vent

Half Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110259401 | WHITE | SEWN | Pack of 10 |
| 110259501 | GREY | SEWN | Pack of 10 |
| 140256801 | WHITE | SEWN | Blister pack of 3 |



VENUS V-2200 V

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L: Upto 12 x OEL

Exhalation Valve Vent

Nose Liner

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110272301 | WHITE | SEWN | Pack of 10 |



VENUS V-2200

CLASS: FFP2 S 

Protection: Solid Dust / Mist

M.U.L: Upto 12 x OEL

Nose Liner

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110258801 | WHITE | STAPLED | Pack of 25 |



VENUS V-2210 V

CLASS: FFP1 S 

Protection: Solid Dust / Mist

M.U.L: Upto 4 x OEL

Exhalation Valve Vent

Nose Liner

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110272401 | WHITE | SEWN | Pack of 15 |



VENUS V-2210 SLV

CLASS: FFP1 NR D 

Protection: Solid Dust / Oil Mist

M.U.L: Upto 4 x OEL

Exhalation Valve Vent

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|------------|
| 110259601 | WHITE | SEWN | Pack of 15 |



VENUS V-2230 SLV

CLASS: FFP3 SLV 

Protection: Solid Dust / Oil Mist

M.U.L: Upto 50 x OEL

Exhalation Valve Vent

Full Foam Seal

| Item # | Colour | Elastic | Packing |
|-----------|--------|---------|-------------------|
| 110259301 | WHITE | SEWN | Pack of 10 |
| 140256901 | WHITE | SEWN | Blister pack of 3 |

RESPIRATORY PROTECTION

PRODUCT STYLES



Half Face Mask-HFM, Full Face Mask-FFM & Replaceable Filters



VENUS V-900
Half Face Mask



VENUS V-7900
Reusable Filters (Dual)



VENUS V-999
Full Face Mask



VENUS V-200
Half Face Mask



VENUS V-7200 Bayonet
Reusable Filters (Dual)



VENUS V-800
Half Face Mask



VENUS V-7800
Reusable Filters (Dual)



VENUS V-600 (668/667)
Full Face Mask



VENUS V-997
Full Face Mask



VENUS V-7700
Reusable Filter (Single)
(STD. Threads)



VENUS V-500
Half Face Mask



VENUS V-7500
Reusable Filter (Single)
(STD. Threads)



VENUS V-400
Half Face Mask
Single Filter

V-900

Reusable Half Face Mask

Product available with below approval



Size options



FEATURES AND BENEFITS



Stay Cool Butterfly vent valve

- Provide breathing comfort
- Reduces buildup of CO₂ heat & moisture for enhanced comfort



Transparent valve cover design

- To ensure the efficiency of the exhalation valve



Drop down

- No need to remove other PPE when lowering or removing half face mask
- Easy to put on & remove while in use



Head cradle

- Lock down mechanism provides optimum fit & good comfort



4 points adjustable harness

- Adjustable design helps to reduce tension & provide adequate fitting & comfort



Twist N Click

- One twist fit for filter



*Packing

- Re-useable box for use & storage with combo pack

VENUS dual gas filters used in combination with the V-900 Half Face Mask & V-999 Full Face Mask



APPLICATION EXAMPLES

Battery
Chemical
Cold storage
Engineering
Foundries
Mining
Automobile

Lead handling, acid handling
Laboratory, Coating, Bonding, Handling
Warehouses
Welding, Powder coating, Painting
Foundry areas
Drilling
Painting, Powder coating

Petrochemicals
Agrochemical
Paints
Pharmaceuticals
Ships
Sewage

Solvent handling, Maintenance department
Pesticides spraying
Paint spray, Mixing, Resins
Bulk drugs, Material handling
Tank cleaning
Drains

V-7900 Dual filters For HFM & FFM (Twist & Click connection)



VENUS V-900 HFM Silicon / TPE

Compatible with Venus dual V-7900 Filters

| Item # | Colour | Size |
|-----------|--------|------------------|
| 110543501 | L.BLUE | SMALL - Silicon |
| 110533301 | L.BLUE | MEDIUM - Silicon |
| 110533401 | L.BLUE | LARGE - Silicon |
| 110533001 | BLUE | SMALL - TPE |
| 110533101 | GREY | MEDIUM - TPE |
| 110533201 | BLACK | LARGE - TPE |

Spares

for V-900 Reusable Half Face Mask



Head Harness
Item # 170537701



Inhalation Valve
Item # 170537801



Exhalation Valve
Item # 170537901



Filter Holder
Item # 170538001



Neck Strap Clip A & B
Item # 170372801



Silicon Diaphragm
Item # 170379201



Item # 110530101

VENUS V-900-I + V-7900

MGC P100 COMBO

TC-84A-9657

HFM+RF Gas & Particulate Filters

HAZARD TYPE

OV/CL/SD/AM

MUL : 1000 ppm or 30 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄), Chlorine (Cl₂), Sulphur Dioxide (SO₂), Ammonia (NH₃)



Item # 110545601

VENUS V-900-T + V-7900

OV P100 COMBO

TC-84A-9743

HFM+RF Gas & Particulate Filters

HAZARD TYPE

OV

MUL : 1000 ppm or 30 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄)



Item # 110733001

VENUS V-7900 ABEK1 P3

Combined Filters

HAZARD TYPE

OV/IO/AG/AM + Particulate Filter

MUL : 1000 ppm or 50 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄), Chlorine (Cl₂), Hydrogen Sulphide (H₂S), Sulphur Dioxide (SO₂), Ammonia (NH₃)



Item # 110530201

Item # 140529501 - **Blister**

VENUS V-900 + V-7900 A1 P2

COMBO

HFM+RF Gas & Particulate Filters

HAZARD TYPE

Organic Vapour (OV)

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

(For IGI) Carbon Tetrachloride (CCl₄)

(For CE) Cyclohexane (C₆H₁₂)



BROWN



Item # 110533901

Item # 110534001 - **Blister**

VENUS V-900 + V-7900 A1 E1 P2

COMBO

HFM+RF Gas & Particulate Filters

HAZARD TYPE

Organic Vapour (OV), Acid Gases (AG)

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄)

Sulphur Dioxide (SO₂)



BROWN YELLOW



Item # 110728101

VENUS V-7900 A1

RF-Gas Filters

HAZARD TYPE

Organic Vapour (OV)

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

(For ISI) Carbon Tetrachloride (CCl₄)

(For CE) Cyclohexane (C₆H₁₂)



BROWN



Item # 110732401
VENUS V-7900 A1 E1
RF-Gas Filters

HAZARD TYPE
Organic Vapour (OV),
Acid Gases (AG)
MUL : 1000 ppm or 20 X OEL (E1)
whichever is lower

TEST GASES
Carbon Tetrachloride (CCl₄)
Sulphur Dioxide (SO₂)



Item # 110732701
VENUS V-7900 ABEK1
RF-Gas Filters

HAZARD TYPE
OV/IO/AG/AM
MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES
Carbon Tetrachloride (CCl₄),
Chlorine (Cl₂), Hydrogen Sulphide (H₂S),
Sulphur Dioxide (SO₂), Ammonia (NH₃)



Item # 110732801
VENUS V-7900 FHP P3
RF-Particulate Hepa Filters

HAZARD TYPE
Particulate Filter
MUL : 50 X OEL
TEST GASES
Non highly volatile Liquid / Solid particles



WHITE



Item # 110732901
VENUS V-7900 FPC P3
RF-Particulate Pancake Filters

HAZARD TYPE
Particulate Filter
(For CE) (For ISI)
MUL : 30 X OEL | **MUL** : 50 X OEL

TEST GASES
Non highly volatile Liquid / Solid particles



WHITE



Item # 110732501
VENUS V-7900 FPC P3 OV
RF-Nuisance odour &
Particulate Pancake Filters

HAZARD TYPE
Particle filter with Nuisance odour level gas filter.
MUL : 50 X OEL

TEST GASES
Non highly volatile Liquid / Solid particles



WHITE



Item # 110733101
VENUS V-7900 FPD P2
RF-Pre-filter Pad

HAZARD TYPE
Particle Filter
(For CE) (For ISI)
MUL : 10 X OEL | **MUL** : 12 X OEL

TEST GASES
Non highly volatile Liquid / Solid particles



WHITE



Item # 110732601
VENUS V-7900 AFPC/AFHP
Adaptor for Hepa Filters



GREY



Item # 110733201
VENUS V-7900 RFPD
Retainer for Pad Filters



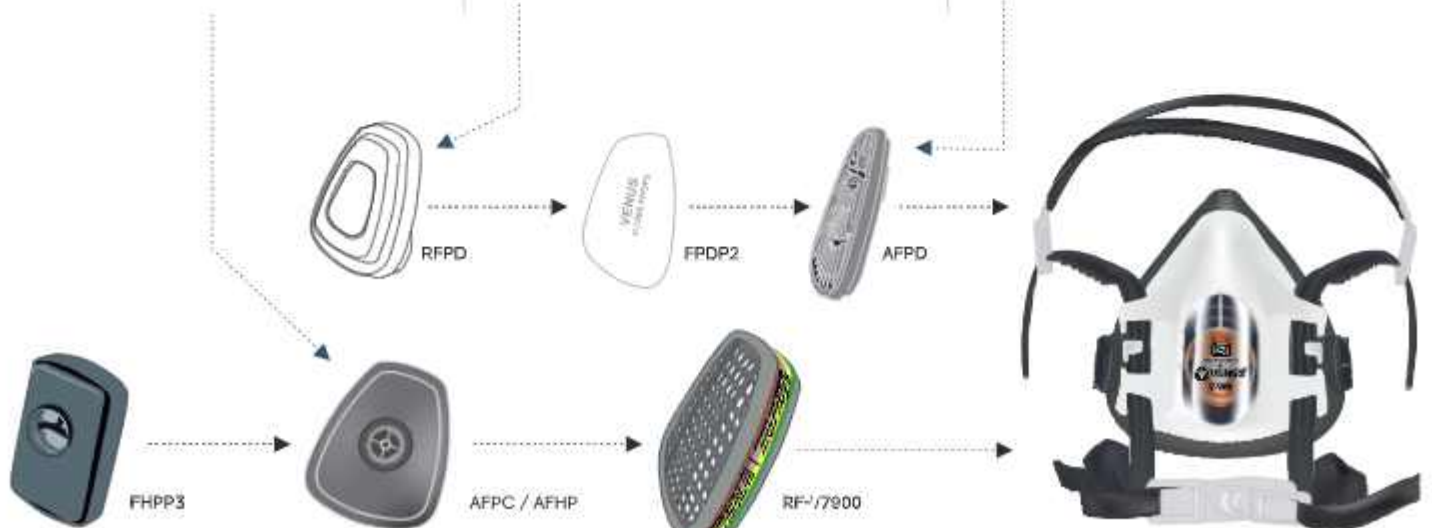
WHITE



Item # 110733601
VENUS V-7900 AFPD (For P2)
Adaptor for Pad Filters



GREY



V-200 & V-7200

Reusable Half Face Mask & Filters
- Bionet connection

Product available with below approval



CML-0003740172
Half Face Mask



CML-700022014
Particle Filter



CML-0007905889
Gas & combined
Filter

FEATURES AND BENEFITS



Stay Cool Butterfly vent valve

- Provide breathing comfort
- Reduces buildup of CO₂ heat & moisture for enhanced comfort



Transparent valve cover design

- To ensure the efficiency of the exhalation valve



Drop down

- No need to remove other PPE when lowering or removing half face mask
- Easy to put on & remove while in use



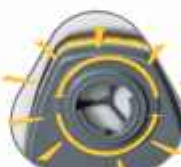
Head cradle

- Lock down mechanism provides optimum fit & good comfort



4 points adjustable harness

- Adjustable design helps to reduce tension & provide adequate fitting & comfort



Bayonet Fitting

- The fitting connection for compatible with Half face mask



*Packing

- Re-useable box for use & storage with combo pack

Item # 110746001

VENUS V-7200 A1

RF-Gas Filters

HAZARD TYPE

Organic Vapour (OV)

MUL : 1000 ppm or 20 X OEL
whichever is lower

TEST GASES

(For IS)

Carbon Tetrachloride (CCl₄)



BROWN

Item # 110746101

VENUS V-7200 ABEK1

RF-Gas Filters

HAZARD TYPE

OV/IO/AG/AM

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄),
Chlorine (Cl₂), Hydrogen Sulphide (H₂S),
Sulphur Dioxide (SO₂), Ammonia (NH₃)



GREEN

Item # 110746201

VENUS V-7200 A1 P3

Combined Filters

HAZARD TYPE

OV/IO/AG/AM + Particulate Filter

MUL : 1000 ppm or 50 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄)



BROWN
WHITE

APPLICATION EXAMPLES

Battery
Chemical
Cold storage
Engineering
Foundries
Mining
Automobile

Lead handling, acid handling
Laboratory, Coating, Bonding, Handling
Warehouses
Welding, Powder coating, Painting
Foundry areas
Drilling
Painting, Powder coating

Petrochemicals
Agrochemical
Paints
Pharmaceuticals
Ships
Sewage

Solvent handling, Maintenance department
Pesticides spraying
Paint spray, Mixing, Resins
Bulk drugs, Material handling
Tank cleaning
Drains

V-800

Reusable Half Face Mask

Product available with below approval

CE 0121
EN 140:1998
Half Face Mask

CE 0121
EN 143
Particle Filter

CE 0121
EN 14387
Gas & combined
Filter

IS 15323
CM/L-0007905889
Gas & combined
Filter

IS 15322
CM/L-7800022514
Particle Filter

Size options



FEATURES AND BENEFITS



Light weight body

- Made from soft thermoplastic elastomer, skin friendly
- Low maintenance
- Minimum hindrance in working



4 points adjustable elastic band

- Distributes weight evenly
- Provides head support and good fit



Exhalation vent valve

- Allows efficient escape of CO₂ and exhaled air for wearer comfort



Threaded cartridge

- Easy to fit and replace



Latex-free elastic

- Braided textile elastic is skin friendly and lasts longer without deforming in high temperature



Compatibility

- Compatible with most other PPEs

VENUS dual gas filters used in connection with the VENUS V-800 half mask & VENUS V-600 Full Face Mask



APPLICATION EXAMPLES

Battery
Chemical
Cold storage
Engineering
Foundries
Mining
Automobile

Lead handling, acid handling
Laboratory, Coating, Bonding, Handling
Warehouses
Welding, Powder coating, Painting
Foundry areas
Drilling
Painting, Powder coating

Petrochemicals
Agrochemical
Paints
Pharmaceuticals
Ships
Sewage

Solvent handling, Maintenance department
Pesticides spraying
Paint spray, Mixing, Resins
Bulk drugs, Material handling
Tank cleaning
Drains

V-7800

Dual filters For HFM & FFM (Threaded connection)



CE 0121
EN 140:1998
Half face Mask

CE 0121
EN 143
Particle filter

CE 0121
EN 14387
Gas & combined
Filter

IS 10323
EN 140:1998
Gas & combined
Filter



Threaded cartridge
● Easy to fit and replace

VENUS V-800 HFM - TPE

CE

Compatible with Venus dual V-7800 Filters

| Item # | Colour | Size |
|-----------|--------|--------------|
| 110532701 | BLUE | SMALL - TPE |
| 110532101 | GREY | MEDIUM - TPE |
| 110532801 | BLACK | LARGE - TPE |

Spares

for V-800 Reusable Half Face Mask



Exhalation Valve
Item # 170538101



Head Harness
Item # 170368501



Item # 110532401

**VENUS V-800+V-7800 ABEK1
+ P2 COMBO**

HFM+RF Gas & Particle Filters

HAZARD TYPE

Combined Multi gas filter (OV/IO/AG/AM) + Particle Filter P3

MUL : 1000 ppm or 10 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂), Chlorine (Cl₂), Hydrogen Sulphide (H₂S), Hydrogen Cyanide (HCN), Sulphur Dioxide (SO₂), Ammonia (NH₃)

CE

MULTICOLOR



Item # 110731701

**VENUS V-7800 ABEK1
+ Pre-filters P2**

HAZARD TYPE

OV/IO/AG/AM + Particulate Filter

MUL : 1000 ppm or 30 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂), Chlorine (Cl₂), Hydrogen Sulphide (H₂S), Hydrogen Cyanide (HCN), Sulphur Dioxide (SO₂), Ammonia (NH₃)

CE

MULTICOLOR



Item # 110532301

VENUS V-800+V-7800 A1 + P2

- **Blister** HFM+RF Gas & Particle Filters

HAZARD TYPE

Combined Filter OV + P2 Particle Filter

MUL : 1000 ppm or 10 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂)

CE

BROWN



Item # 140530001

VENUS V-800+V-7800 ABEK1 + P2

- **Blister** HFM+RF Gas & Particle Filters

HAZARD TYPE

Combined Multi gas filter (OV/IO/AG/AM) + Particle Filter P3

MUL : 1000 ppm or 10 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂), Chlorine (Cl₂), Hydrogen Sulphide (H₂S), Hydrogen Cyanide (HCN), Sulphur Dioxide (SO₂), Ammonia (NH₃)

CE

MULTICOLOR



Item # 110731801
VENUS V-7800 B1
RF-Gas Filters

HAZARD TYPE
Inorganic Gases (IO)

MUL : 1000 ppm or 30 X OEL whichever is lower
TEST GASES
Chlorine (Cl_2), Hydrogen Sulphide (H_2S)
Hydrogen Cyanide (HCN)



GREY



Item # 110731501
VENUS V-7800 E1
RF-Gas Filters

HAZARD TYPE
Acid Gases (AG)

MUL : 1000 ppm or 30 X OEL whichever is lower
TEST GASES
Sulphur Dioxide (SO_2)



YELLOW



Item # 110731601
VENUS V-7800 K1
RF-Gas Filters

HAZARD TYPE
Ammonia (AM) & Derivatives

MUL : 1000 ppm or 30 X OEL whichever is lower
TEST GASES
Ammonia (NH_3)



GREEN



Item # 110731401
VENUS V-7800 A1
+ Pre-filter P2

HAZARD TYPE
Organic Vapour (OV) Boiling point above 65°C
+ Particulate filter

MUL : 1000 ppm or 30 X OEL whichever is lower
TEST GASES
Cyclohexane (C_6H_{12})



RED



Item # 110745601
VENUS V-7800 A1 E1
RF-Gas Filters

HAZARD TYPE
Organic Vapour (OV), Acid Gases (AG)

MUL : 1000 ppm or 30 X OEL whichever is lower
TEST GASES
Carbon Tetrachloride (CCl_4)
Sulphur Dioxide (SO_2)



YELLOW



Item # 110730501
VENUS V-7800 P3
RF-HEPA Filters

HAZARD TYPE
Particle Filter

MUL : 30 X OEL
TEST GASES
Non highly volatile Liquid / Solid particles



WHITE



Item # 110731901
VENUS V-7800 P3
RF-PANCAKE Filters

HAZARD TYPE
Particle Filter

MUL : 30 X OEL
TEST GASES
Non highly volatile Liquid / Solid particles



WHITE



Item # 110732201
VENUS V-7800 P3 OV
RF-Nuisance odour & Particulate Filters

HAZARD TYPE
Particle filter with Nuisance VOC / Odour

MUL : 30 X OEL
TEST GASES
Non highly volatile Liquid / Solid particles



WHITE



Item # 110729801
VENUS V-7800 P2 + Pre-filter
HAZARD TYPE Particle Filter
TEST GASES Solid particles



WHITE

Item # 110356501
VENUS V-7800
Retainer for pad filters

GREY



Item # 110731301

VENUS V-7800 A1 P3

RF-Gas Filters + Particle Filters



HAZARD TYPE

Combined Filter OV + Particle Filter P3

MUL : 1000 ppm or 30 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂) with P3 Hepa particle filter



Item # 110731201

VENUS V-7800 ABEK1 P3

RF-Gas filter + Particle Filters



HAZARD TYPE

Combined Multi gas filter (OV/IO/AC/AM) + Particle Filter P3

MUL : 1000 ppm or 30 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂), Chlorine (Cl₂), Hydrogen Sulphide (H₂S), Hydrogen Cyanide (HCN), Sulphur Dioxide (SO₂), Ammonia (NH₃)



Item #110733301

VENUS V-7800 ABEK1 Hg P3

RF-Gas filter + Particle Filters



HAZARD TYPE

Combined Multi gas filter (OV/IO/AC/AM) + Particle Filter P3

MUL : 1000 ppm or 30 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂), Chlorine (Cl₂), Hydrogen Sulphide (H₂S), Hydrogen Cyanide (HCN), Sulphur Dioxide (SO₂), Ammonia (NH₃), Mercury (Hg)



Item # 110733401

VENUS V-7800 A2 P3

RF-Gas Filters + Particle Filters



HAZARD TYPE

Combined Filter OV + Particle Filter P3

MUL : 5000 ppm or 30 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂) with P3 Hepa particle filter

V-500

Reusable Half Face Mask

Product available with below approval



FEATURES AND BENEFITS



Light weight body

- Made from soft thermoplastic elastomer, skin friendly
- Low maintenance
- Minimum hindrance in working



Exhalation vent valve

- Allows efficient escape of CO₂ and exhaled air for wearer comfort



Latex-free elastic

- Braided textile elastic is skin friendly
- Lasts longer without deforming



Single filter

- Low profile & provides more peripheral view
- Does not hinder while working and makes the use more convenient

Size options



Sweat Port



Neck Strap



PPE Material



Adjustable Strap



4 point strap tightening with head cradle

- Front pull strap tightening gives the required ergonomic fit



Adjustable elastic band

- Distributes weight evenly
- Provides head support and good fit



Threaded cartridge

- Easy to fit and replace



Item # 010528701

VENUS V-500+V-7500 A1 P1 S

COMBO RF-Gas filter & Particle filters

BROWN

HAZARD TYPE

Organic Vapour (OV), Acid Gases (AG) & Particles

MUL : 1000 ppm or 20 X OEL whichever is lower, if pre filter is used in combination 1000 ppm or 4 X OEL

TEST GASES

Carbon Tetrachloride (CCl₄)
+ Sulphur Dioxide (SO₂)



Item # 140529801

VENUS V-500+V-7500 A1 P1 S

- Blister RF-Gas filter & Particle filters

BROWN

HAZARD TYPE

Organic Vapour (OV), Acid Gases (AG) & Particles

MUL : 1000 ppm or 20 X OEL whichever is lower, if pre filter is used in combination 1000 ppm or 4 X OEL

TEST GASES

Carbon Tetrachloride (CCl₄)
+ Sulphur Dioxide (SO₂)



Item # 140529601

VENUS V-500+V-7500 ABEK1 P2 S

- Blister RF-Gas filter & Particle filters

MULTICOLOUR

HAZARD TYPE

OV/IO/AG/AM + Particle filter

MUL : 1000 ppm or 20 X OEL whichever is lower, if pre filter is used in combination 1000 ppm or 4 X OEL

TEST GASES

Carbon Tetrachloride (CCl₄), Chlorine (Cl₂),
Hydrogen Sulphide (H₂S), Sulphur Dioxide (SO₂),
Ammonia (NH₃)

APPLICATION EXAMPLES

Battery
Chemical
Cold storage
Engineering
Foundries
Mining
Automobile

Lead handling, acid handling
Laboratory, Coating, Bonding, Handling
Warehouses
Welding, Powder coating, Painting
Foundry areas
Drilling
Painting, Powder coating

Petrochemicals
Agrochemical
Paints
Pharmaceuticals
Ships
Sewage

Solvent handling, Maintenance department
Pesticides spraying
Paint spray, Mixing, Resins
Bulk drugs, Material handling
Tank cleaning
Drains

V-7500

Single filters For HFM (Threaded Connection)

VENUS single gas filter used in connection with the VENUS V-500 half mask



Threaded cartridge
• Easy to fit and replace



VENUS V-500 HFM - TPE



Compatible with Venus single V-7500 Filters

| Item # | Colour | Size |
|-----------|--------|--------|
| 110533701 | BLUE | SMALL |
| 110532001 | GREY | MEDIUM |
| 110533801 | BLACK | LARGE |



Spares
for V-500 Reusable Half Face Mask

Exhalation Valve
Item # 170538101



for V-7500 Filter cap - Top & Bottom
Item # 170729401



Item # 010727801

VENUS V-7500 A1 P1 S

RF-Gas filter & Particle filter

HAZARD TYPE

Organic Vapour (OV) & Particles filter

MUL : 1000 ppm or 20 X OEL whichever is lower, if pre filter is used in combination 1000 ppm or 4 X OEL

TEST GASES

Carbon Tetrachloride (CCl₄)



BROWN



Item # 110730301

VENUS V-7500 A1 E1 P1 S

RF-Gas filter & Particle filter

HAZARD TYPE

Organic Vapour (OV), Acid Gases (AG)

MUL : 1000 ppm or 20 X OEL whichever is lower, if pre filter is used in combination 1000 ppm or 4 X OEL

TEST GASES

Carbon Tetrachloride (CCl₄)
+ Sulphur Dioxide (SO₂)



BROWN
YELLOW



Item # 110730701

VENUS V-7500 B1

RF-Gas filter

HAZARD TYPE

Inorganic Gases (IO)

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

Chlorine (Cl₂)
Hydrogen Sulphide (H₂S)



GREY



Item # 110730401

VENUS V-7500 K1

RF-Gas filter

HAZARD TYPE

Ammonia (AM) & Derivatives

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

Ammonia (NH₃)



GREEN



Item # 110730601

VENUS V-7500 ABEK1

RF-Gas filter

HAZARD TYPE

OV/IO/AG/AM

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄), Chlorine (Cl₂),
Hydrogen Sulphide (H₂S), Sulphur Dioxide (SO₂),
Ammonia (NH₃)



MULTICOLOUR



Item # 110353701 | Item # 110353801

VENUS V-7500 P1 S | RETAINER

RF-Particulate filter

HAZARD TYPE

Particle Filter

MUL : 4 X OEL

TEST GASES

Solid Particles



WHITE

GREY

V-400

Reusable Half Face Mask with Particulate & OV Filter (Press Fit Connection)

Product available with below approval

IS 14746
CM/L-0003748172
Half Face Mask

IS 15322
CM/L-7600022514
Particle Filter

IS 15323
CM/L-0007905889
Gas Filter

Size **M**



FEATURES AND BENEFITS



Light weight body

- Made from soft thermoplastic elastomer, skin friendly
- Low maintenance
- Minimum hindrance in working



Exhalation vent valve

- Allows efficient escape of CO₂ & hot exhaled air



4 point strap tightening with head cradle

- Front pull strap tightening gives the required ergonomic fit



Latex-free elastic

- Braided textile elastic is skin friendly
- Lasts longer without deforming



Adjustable head harness

- Distributes weight evenly
- Provides head support and good fit



Single filter

- Low profile & provides more peripheral view
- Does not hinder while working and makes the use more convenient



Press fit cartridge

- Tape easy to fit and replace

APPLICATION EXAMPLES

Battery
Chemical
Cold storage
Engineering
Foundries
Mining
Automobile

Lead handling, acid handling
Laboratory, Coating, Bonding, Handling
Warehouses
Welding, Powder coating, Painting
Foundry areas
Drilling
Painting, Powder coating

Petrochemicals
Agrochemical
Paints
Pharmaceuticals
Ships
Sewage

Solvent handling, Maintenance department
Pesticides spraying
Paint spray, Mixing, Resins
Bulk drugs, Material handling
Tank cleaning
Drains



Neck Strap



Adjustable Strap

V-7400

Reusable Half Face Mask with Particulate & OV Filter (Press Fit Connection)

VENUS single gas filter used in connection with the VENUS V-400 half mask



Item # 110532501
VENUS V-400+V-7400
P2 COMBO - Silicone HFM
Half Mask with Particulate Filter
Solid particles
MUL : 1000 ppm or 12 X OEL whichever is lower



Item # 110545901
VENUS V-400+V-7400
P2 COMBO - TPE HFM
Half Mask with Particulate Filter
Solid particles
MUL : 1000 ppm or 12 X OEL whichever is lower



Item # 110532601
VENUS V-400+V-7400
A1 P1 COMBO - Silicone HFM
Half Mask with Organic & Particulate Filter
Carbon Tetrachloride (CCl₄)
MUL : 1000 ppm or 4 X OEL whichever is lower



Item # 110545801
VENUS V-400+V-7400
A1 P1 COMBO - TPE HFM
Half Mask with Organic & Particulate Filter
Carbon Tetrachloride (CCl₄)
MUL : 1000 ppm or 4 X OEL whichever is lower



Item # 110544501
VENUS V-400 BODY - TPE
HFM



Item # 110730901
VENUS V-7400 A1
RF-Gas filter
Organic Filter For V-400 A1 P1
Carbon Tetrachloride (CCl₄)
MUL : 1000 ppm or 20 X OEL whichever is lower



BROWN



Item # 110731001
VENUS V-7400 P2
RF-Particulate Filter
Solid particles & Liquid
MUL : 12 X OEL



WHITE



Item # 110731101
VENUS V-7400 P2
RF-Pre Filter
Solid particles
MUL : 4 X OEL



WHITE

V-997

Reusable Full Face Mask - Silicone / TPE

Product available with below approval



FEATURES AND BENEFITS



Standard Thread - RD40

- RD40 Thread for connection to any standard thread, gas filter as per
- IS 14138 (Part1):1994



Light weight body

- Made from soft thermoplastic elastomer, skin friendly
- Low maintenance
- Minimum hindrance in working



Zero power toric visor for wide vision

- PC lens impact resistant for face protection
- High clarity, durability and double anti-fog



4 Strap head harness

- Gives head support and even distribution of weight
- Good skin comfort in tough conditions
- Provides leakproof fit



Silicone exhalation valve

- Efficient ventilation system with easy maintenance



Adjustable penta belt

- Gives head support and even distribution of weight
- Good skin comfort in tough conditions
- Provides leakproof fit



Inner face piece of silicone

- Prevents fogging on visor
- Skin friendly



Full face respirator facepiece

- Made of silicone / TPE, with single filters replaceable cartridges.
- Light in weight and comfortable to use



Speech Enhancer Holder

- For easy and audible communication



VENUS V-997 Full Face Mask

Compatible with Venus V-7700 Single Filter



| Item # | Colour | Size & material |
|-----------|--------|---|
| 110529401 | BLUE | MEDIUM - SILICON - Quadra Belt |
| 110529301 | GREY | MEDIUM - TPE - Quadra Belt |
| 170531501 | BLUE | MEDIUM - TPE - Textile harness for SCBA FFM |
| 170530701 | BLUE | MEDIUM - SILICON - Quadra Belt for SCBA FFM |

*Suitable to use with Threaded V-7700 Single filters only.



APPLICATION EXAMPLES

Battery
Chemical
Cold storage
Engineering
Foundries
Mining
Automobile

Lead handling, acid handling
Laboratory, Coating, Bonding, Handling
Warehouses
Welding, Powder coating, Painting
Foundry areas
Drilling
Painting, Powder coating

Petrochemicals
Agrochemical
Paints
Pharmaceuticals
Ships
Sewage

Solvent handling, Maintenance department
Pesticides spraying
Paint spray, Mixing, Resins
Bulk drugs, Material handling
Tank cleaning
Drains

V-999

Reusable Full Face Mask - Silicone / TPE

Product available with below approval



FEATURES AND BENEFITS



Twist N Click

- Fits with V-7900 dual filters
- Ergonomic design



Light weight body

- Made from soft thermoplastic elastomer, skin friendly
- Low maintenance
- Minimum hindrance in working



Zero power toric visor for wide vision

- PC lens impact resistant for face protection
- High clarity, durability and double anti-fog



4 Strap head harness

- Gives head support and even distribution of weight
- Good skin comfort in tough conditions
- Provides leakproof fit



Silicone exhalation valve

- Efficient ventilation system with easy maintenance



Adjustable penta belt

- Gives head support and even distribution of weight
- Good skin comfort in tough conditions
- Provides leakproof fit



Speech Enhancer Holder

- For easy and audible communication

Spare Parts

- 170366701 -Mask Body - TPE
- 170367001 -Harness with adjustable clips
- 170367101 -Holder assembly
- 170367201 -Bracket assembly
- 170367301 -Inner Mask with Valve
- 170367401 -CHC visor with gasket
- 170367501 -AF visor with gasket
- 170366901 -Visor Protection film
- 170538201 - Quadrabelt

*Suitable to use with Twist & Click V-7900 Dual filters only.



VENUS V-999 Full Face Mask

Compatible with Venus V-7900 dual Filters



| Item # | Colour | Size & material |
|-----------|--------|-----------------------|
| 110355401 | GREY | MEDIUM - SILICON - AF |
| 110534201 | GREY | MEDIUM - TPE |
| 110534701 | GREY | MEDIUM - TPE ANTIFOG |



VENUS V-999 Full Face Mask

Compatible with Venus V-7900 Dual Filters



| Item # | Colour | Size & material |
|-----------|--------|------------------------------------|
| 110543601 | GREY | MEDIUM - TPE - with Speechenhanser |

APPLICATION EXAMPLES

Battery
Chemical
Cold storage
Engineering
Foundries
Mining
Automobile

Lead handling, acid handling
Laboratory, Coating, Bonding, Handling
Warehouses
Welding, Powder coating, Painting
Foundry areas
Drilling
Painting, Powder coating

Petrochemicals
Agrochemical
Paints
Pharmaceuticals
Ships
Sewage

Solvent handling, Maintenance department
Pesticides spraying
Paint spray, Mixing, Resins
Bulk drugs, Material handling
Tank cleaning
Drains

V-600

Reusable Full Face Mask - TPE / Bromobutyl / Silicon

Product available with below approval



FEATURES AND BENEFITS



Zero power hard coated visor

- PC lens impact resistant for face protection
- High clarity, durability and double anti-fog



Silicone exhalation valve

- Efficient ventilation system with easy maintenance

Inner face piece of silicone

- Prevents fogging on visor
- Skin friendly



Option to use twin filters

- Special Venus threads for superior ergonomic fit



Standard Thread

- RD40 Thread for connection to any standard thread, gas filter as per
- IS 14138 (Part1):1994



Neck straps

- Adjustable for better handling



6 Strap head harness

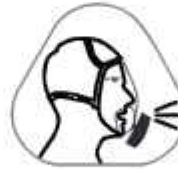
- Facilitates even distribution of weight and gives head support
- Good skin comfort in tough conditions
- Provides leakproof fit

Option of TPE & Textile harness



Compatible with Venus

- RF-V-7700 / RF- V-7800 Filters for class 2 & class 1



Speech diaphragm

- For easy and audible communication



VENUS V-667

Full Face Mask

Compatible with Venus V-7700 single gas filter or Breathing tube for SA / PAPR

| Item # | Colour | Size & Material |
|-----------|--------|----------------------------------|
| 110543401 | BLACK | MEDIUM-Bromobutyl with Pentabelt |

Spare Parts

| | | |
|-----------|-------|------------------|
| 170362501 | GREY | Textile Headband |
| 170362601 | GREY | TPE Headband |
| 170529201 | GREY | Visor film |
| 170353601 | BLACK | Neck Belt |



VENUS V-667

Full Face Mask

Compatible with Venus V-7700 single Gas filter or Breathing tube for SA / PAPR

| Item # | Colour | Size & Material |
|-----------|--------|--|
| 110531801 | GREY | MEDIUM- TPE with Textile head band |
| 110533601 | GREY | MEDIUM- TPE with Hexabelt |
| 110534301 | GREY | MEDIUM- Silicon with textile head band |
| 110534401 | GREY | MEDIUM- Silicon, AF visor with textile head band |



VENUS V-668

Full Face Mask

Compatible with Venus V-7800 dual Gas filter

| Item # | Colour | Size |
|-----------|--------|--|
| 110531901 | GREY | MEDIUM-TPE with textile head band |
| 110533501 | GREY | MEDIUM-TPE with Pentabelt |
| 110534501 | GREY | MEDIUM- Silicon with textile head band |
| 110534601 | GREY | MEDIUM- Silicon, AF visor with textile head band |

V-7700

Class 2 Gas Filter & Combined Filters with standard threaded connection

Product available with below approval

VENUS Gas filters in standard connection
suitable for VENUS Full Face Masks and PAPR's.
Available in close cap



Class 2 medium capacity

- Single gas filter, standard 40 mm
confirming IS:14138 for screw threads



Item # 110730201
VENUS V-7700 A2
Gas filter



BROWN

HAZARD TYPE

Organic Vapour (OV)

MUL : 5000 ppm or 2000 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄)



Item # 110730101
VENUS V-7700 B2
Gas filter



GREY

HAZARD TYPE

Inorganic Gas (IO)

MUL : 5000 ppm or 2000 X OEL whichever is lower

TEST GASES

Chlorine (Cl₂) Hydrogen Sulphide(H₂S)



Item # 110729901
VENUS V-7700 E2
Gas filter



YELLOW

HAZARD TYPE

Acid Gas (AC)

MUL : 5000 ppm or 2000 X OEL whichever is lower

TEST GASES

Sulphur Dioxide (SO₂)



Item # 110730001
VENUS V-7700 K2
Gas filter



GREEN

HAZARD TYPE

Ammonia (AM) & Derivatives

MUL : 5000 ppm or 2000 X OEL whichever is lower

TEST GASES

Ammonia (NH₃)



Item # 110730801
VENUS V-7700 ABEK2
Gas filter



MULTICOLOUR

HAZARD TYPE

Multigas filter (OV/IO/AC/AM)

MUL : 5000 ppm or 2000 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄), Chlorine (Cl₂),
Hydrogen Sulphide (H₂S), Sulphur Dioxide (SO₂),
Ammonia (NH₃)



Item # 110732101
VENUS V-7700 A2 P3
Gas filter



BROWN WHITE

HAZARD TYPE

Combined filter OV + Particle Filter P3

MUL : 5000 ppm or 2000 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄)
Solid & Liquid particles



Item # 110732001
VENUS V-7700 ABEK2 P3
Gas filter



MULTICOLOUR

HAZARD TYPE

Combined Multigas filter (OV/IO/AC/AM) + Particle Filter P3

MUL : 5000 ppm or 2000 X OEL whichever is lower

TEST GASES

Carbon Tetrachloride (CCl₄), Chlorine (Cl₂),
Hydrogen Sulphide (H₂S), Sulphur Dioxide (SO₂),
Ammonia (NH₃)



Item # 110732301
VENUS V-7700 P3
Hepa filter



WHITE

HAZARD TYPE

Particle Filter P3

MUL : 1000 X OEL

TEST GASES

Non highly volatile Solid & Liquid particles

RESPIRATORY PROTECTION

PRODUCT STYLES



Self Contained Breathing Apparatus (SCBA)



Class-2 VENUS-260
Digital Gauge, PET Cylinder



Class-2 VENUS-230
Analogue Gauge, CC Cylinder



Class-1 VENUS-108
Analogue Gauge, STEEL & CC Cylinder



Class-2 VENUS-215
Analogue Gauge, STEEL & CC Cylinder

Supplied Air Breathing Apparatus - Trolley Mounted (SABA)



Venus SABA Unit - SS / MS Trolley

Supplied Air Breathing Apparatus - Trolley Mounted (SABA)

- The Trolley mounted BA unit by Venus is a compact, easy to use airline trolley system designed to provide portable clean air in restricted access areas.
- Versatile and robust, it consists of a lightweight mild steel hose reel unit and cylinder frame that can be used independently or together.
- The frame is designed to carry a pair of cylinders and where required an additional frame can be vertically stacked to allow connection of up four cylinders.
- This in conjunction with proven 300 bar high performance pneumatics delivering up to 1000 litres of breathing air per minute, permits two people to work at the same time.
- Long duration operation is made simple through adjustable cylinder bands and high pressure cylinder connectors to accommodate a variety of cylinder sizes at both 200 and 300 bar.
- Non-return bleed valves fitted to the cylinder connectors enable cylinders to be replaced independently for continuous operation.

Specifications

| | Qty. |
|---|------|
| 1. Frame : Mild steel/Stainless steel | 1N |
| 2. Hose Reel : Mild steel | 1N |
| 3. Wheels : Caster wheels with polyurethane covering | 4N |
| 4. Couplings Male : Stainless steel | 2N |
| 5. Couplings Female : Nicskel plated brass with stainless steel locking balls | 2N |
| 6. Storage box : Mild steel | 1N |
| 7. Manifold : Stainless steel | 1N |
| 8. Pressure Gauge : Stainless steel | 1N |
| 9. Full face mask : Bromobutyl material | 2N |
| 10. HP Pressure Gauge : Stainless Steel, Polycarbonate Lens | 1N |
| 11. MP Pressure Gauge : Stainless Steel, Polycarbonate Lens | 1N |
| 12. MP Air Supply Hose : PVC | 1N |
| 13. HP Air Hose : PTFE liner, stainless steel braiding, Estane sleeve | 4N |
| 14. Cylinder : Carbon Composite/Steel cylinder | 2/4N |
| 15. Whistle : Stainless Steel | 1N |
| 16. Demand Valve : ABS material | 2N |



Venus BA Unit - MS Compact Trolley

Item # 110378801
(Venus SABA CC-2 with 2 Cylinders)

Item # 110379001
(Venus SABA SS-2 with 2 Cylinders)

Item # 110378701
(Venus SABA CC-4 with 4 Cylinders)

Item # 110378901
(Venus SABA SS-4 with 4 Cylinders)

Item # 110371101 - Demo Set
(Venus SABA CC-2 Trolley with 2 Cylinders - MS Body)

Venus BA Unit - SS

Item # 110349701
(Venus SABA CC-2 with 2 Cylinders)

Item # 110349801
(Venus SABA CC-4 with 4 CC Cylinders)

Item # 110349901
(Venus SABA SS-2 with 2 Steel Cylinders)

Item # 110350001
(Venus SABA SS-4 with 4 Steel Cylinders)

Compact Trolley

Item # 110375401
(Venus SABA SS-4 Compact with 4 SS Cylinders)

Item # 110375601
(Venus SABA Compact SS-2 with 2 SS Cylinders)

Item # 110375301
(Venus SABA CC-4 Compact with 4 CC Cylinders)

Item # 110375501
(Venus SABA CC-2 with 2 CC Cylinders)

Spares for SABA

Item # 170372001 (Hose Pipe - 30 mtr.)

Item # 170376001 (Emergency Switch Over Device)



Item # 170380001 (Emergency Breathing Escape Device)



APPLICATION EXAMPLES

Engineering
Mining
Petrochemicals

Welding, Sand Blasting, Powder coating, Buffing, Painting, Cutting
Drilling
Unventilated areas

Paints
Pharmaceuticals
Ships
Waste treatment

Paint spray, Mixing
Bulk drugs, Material handling
Tank cleaning
Sewage handling,
Cleaning drains

SCBA Self Contained Breathing Apparatus

Emergency rescue / respond device | Advanced Backplate, Digital Pressure Gauge & Cylinder

IS 10245 (Part 2)



CM/L-0002809666

Class 2 - Venus SCBA 260-7DPX

Full face mask for increased safety

- Silicone provides wide field vision with Kevlar textile head net harness
- Visor is made of Polycarbonate Hard coat & has Anti fog capability
- High Impact, Heat & flame resistant.
- Meets Class 3 requirements of multi flame burner & radiant test.

Height Adjustable Backplate design which is robust & easy to use

- Polyamide material good for Low / high temperature, chemical resistance, Flame / radiant heat resistance
- Ergonomically designed to suit shape of human back
- Height adjustable clip to suit profile of different users
- High mobility 3 axis rotating fixture which is designed to disperse the weight of the cylinder efficiently
- Pressure reducer valve is fixed on the backplate by wire dowels.

Demand valve & medium pressure hose

- Connection to breathing apparatus is capable of 360 degree rotation
- Easy access button to increase the flow air
- Compact and robust design with excellent pneumatic performance.
- Ensure large flow and safe air release by using front manual access button
- Flame retardant casing made using high strength engineered plastics

PET Cylinder extra lightweight and easy to use

- Long lasting, EXTRA light weight liner effective back & neck protection
- PET liner is an excellent thermal insulator. Gas inside the cylinder does not heat & users do not breathe warm air.
- Pet liner reinforced with Carbon & Kevlar aramid , external epoxy resin layer provides protection against extrinsic factors. Electrical insulation ensures fire fighters safety.
- Pressure reducer valve & cylinder with PESO approval.
- Capacity 6.8 l, 300 bar, Work Life :45 min. Set weight (filled PET cylinder) approx. 9.8 kg, Vitality 20 year / NLL (No limit life)
- ABS carrying case for storage of set

Intelligent Digital display gauge for essential real time monitoring with high pressure hose

- Display table shows the pressure in the cylinder in real time
- Screen shows the available time for the remaining gas in cylinder
- Low battery indicator, which warns the user when life remaining is 20%
- Man down alarm which sends a distress signal if the user stops moving for 15 sec in active use.
- Short press the function key, open the screen backlight and short press again, turn off the lights
- Integrated Thermal alarm on the device which alerts the user to exposure to elevated and rapidly rising environmental temperatures.

Y Hose Quick release coupling (QRC) connection

- Provides auxiliary air to two users in life saving situations.



Item # 110355701

Venus SCBA 260-7DPX

Class 2, Incl. Adjustable Back plate V60 design, V-770 FFM, Digital Gauge, PET cylinder with Carrying case



APPLICATION EXAMPLES

Fire Services
Respondent / Rescue / Escape
Highly hazardous industry

SCBA Self Contained Breathing Apparatus

Emergency rescue / respond device | Backplate, Pressure Gauge, Full face mask & Cylinder

IS 10245 (Part 2)



CM/L-0002809666

Class 2 - Venus SCBA 215-7ACX / 6AS

Venus SCBA 215-7ACX

- Full face mask V-777
- Meets class 3 requirements of multi flame burner & radiant test.
- Carbon composite light weight Cylinder 6.8 l, 300 bar, Work Life :45 min.
- Pressure reducer valve & cylinder with PESO approved
- Set weight (filled CC cylinder) approx. 10.5 kg.
- ABS carrying case comes for storage of set

Venus SCBA 215-6AS

- Full face mask V-667
- Neoprene Rubber harness tested upto 900° C.
- Visor is made of Polycarbonate Hard coat & has Anti fog capability
- Impact resistance, Heat & flame resistant.
- Meets class 2 requirements of multi flame burner test.
- Steel Cylinder 6.2 l, 300 bar, Work Life :45 min.
- Pressure reducer valve & cylinder PESO approved
- Set weight (filled CC cylinder) approx. 17.5 kg.

Nomex Harness for increased rigidity

- Nomex material with Flame / radiant heat retardant capability.
- Anti-skidding, anti-tearing & comfortable to be worn for long periods.
- Reflective fabric sewn on harness for good visibility
- Buckles are made of heavy duty 304 Stainless steel

Analogue gauge

- Anti-collision, explosion proof & water-proof design
- Fluorescent display for reading in darkness
- Rubber cover provided dustproof, Water proof.



Item # 110371701

Class 2 - Venus SCBA 230-7ACX - Class 2



Incl. Flexible Back plate V30 design, V-770, Analogue Gauge, CC Cylinder with Carrying case

Item # 110378101

Class 2 - Venus SCBA 230-7AC- Class 2



Incl. 3Way Back plate V30 design, V-770, Analogue Gauge, CC Cylinder

Item # 110352801

Class 2 - Venus SCBA 215-7ACX

Incl. 3Way Back plate V15 design, V-777, Analogue Gauge, CC Cylinder with Carrying case

Item # 110355801

Class 2 - Venus SCBA 215-6AS

Incl. 3Way Back plate V15 design, V-666, Analogue Gauge, Steel Cylinder

SCBA - Spares



CCOE-6.8 Ltr. Cylinder with without Gauge Valve
Item # 170357101



Cylinder CCOE 6.8 L. with Gauge
Item # 170366801



Cylinder Steel 6.0 L.
Item # 170362401



SCBA Backplate with Digital Gauge
Item # 170355001



SCBA Backplate with V-777
Item # 170362201



SCBA Backplate with V-997
Item # 170352901



SCBA carrying case - ABS
Item # 170362301



SCBA Wall Mount Case
Item # 170371801



SCBA Demand Valve
Item # 170366201



SCBA V-997 Full Face Mask
Item # 170531501



SCBA 230 - Backplate with V-777
Item # 170531501



SCBA Class2 Backplate with V-770
Item # 170378001

SCBA Self Contained Breathing Apparatus

Emergency rescue / respond device | Backplate, Pressure Gauge, Full face mask & Cylinder

IS 10245 (Part 2)



CM/L-0002809666

Class 1 - Venus SCBA 108

Venus SCBA 108-6AC Item # 110355901

Class 1, Incl. Back plate V08 design, V-666, Analogue Gauge, CC Cylinder with Rotrex Gauge

Venus SCBA 108-6AC Item # 110350701

Incl. Back plate V08 design, V-666, Analogue Gauge, CC Cylinder without Gauge

- Carbon composite light weight Cylinder 6.8 l, 300 bar, Work Life:45 min.
- Pressure reducer valve & cylinder PESO approved
- Set weight (with CC filled cylinder) approx. 10.5 kg.

Venus SCBA 108-6AS Item # 110356001

Class 1, Incl. Back plate V08 design, V-666, Analogue Gauge, Steel Cylinder

- Steel Cylinder 6.00 l, 300 bar, Work Life :45 min.
- Pressure reducer valve & cylinder PESO approved
- Set weight (filled steel cylinder) approx. 17 kg.



Rubber washer For Backplate
Item # 170374301



SCBA Backplate with V-666
Item # 170366101



SCBA V-667 Full Face Mask
Item # 170365901



SCBA V-997 Full Face Mask
Item # 170531501

Spares for SCBA

Face mask V-666

- Neoprene Rubber harness tested upto 900° C.
- Visor is made of Polycarbonate Hard coat & has Anti fog capability
- Impact resistance, Heat & flame resistant.
- Meets class 2 requirements of multi flame burner test.

Demand Valve

- Connection to breathing apparatus is capable of 360 degree rotation
- Easy access button for increase the flow air
- Ensure large flow and safe air supply by using manual for air flux button
- Flame retardant casing made using high strength engineered plastics

Polyester FR Harness increased durability

- Aramid / CFR waist belt & shoulder straps move independently of each other for mobility & comfort to the user
- Reflective fabric sewn on harness for good visibility
- Buckles are made of heavy duty 304 Stainless steel

Lightweight Back-plate

- Produced from Nylon material ergonomically designed to suit the shape of human back

Analogue gauge

- Anti-collision, explosion proof & water-proof design
- Fluorescent display for reading in darkness
- Rubber cover provided dustproof, Water proof.

RESPIRATORY PROTECTION

PRODUCT STYLES



Supplied Air (SA)



Supplied Air Respirator
Unit (SA)



Supplied Air Respirator
Unit (SA)

Powered Air Purifying Respirator (PAPR)



VENUS PAPR



VENUS PA100



Hoods for SA & PAPR

Emergency Life Saving Apparatus (ELSA) Escape Set



Elsa Escape Set



Escape Hood with Attached filter

ESCAPE HOOD

Emergency Escape Hood For Smoke



FEATURES AND BENEFITS



Electrostatic particle filter

- Highly efficient
- Low pressure-drop enables easy breathing



Physiological comfort

- Minimal dead space prevents buildup of heat vapors and CO₂



Multi-valve breathing device

- Enables easy communication while mask is worn



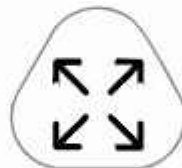
Effortless wearing

- Upto 8 times enlargeable elastic and resilient latex hood for easy and effortless wearing process



Better orientation

- Wide view
- Transparent film on visor enables upto 95% light transmission



Universal adult size, complies inward leak test

- Lowers inventory no need to store multiple sizes
- Easy to distribute amongst workers as no size-wise bifurcation needed while distribution



State-of-art filtration unit

- Multi layer impregnated activated carbon enable maximum absorption of toxic gases
- Works as a catalyst for carbon Monoxide Oxidation



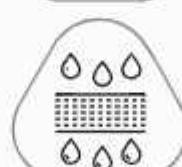
Packaging weight and shelf life

- Less than 1kg & 5 years until opened



High performance

- Fire resistant (as per NFPA 701)
- Flame retardant polychloroprene latex hood resists 200°C temperature
- Visor resists 150°C temperature



Filter Capacity

- Particulate matter, Gases (HCl, HCN, CO, Propanol)



ESCAPE HOOD
with V-7700 ABEK P3 attached Filter
Item # 110355301



ESCAPE HOOD
with V-7700 CO Filter
Item # 110350401



BIOCHEMICAL ESCAPE HOOD
Item # 110375201

APPLICATION EXAMPLES

Chemical / First responders
Law enforcement agencies
High-rise buildings
Hospitals
Hotels
IT office

ELSA ESCAPE SET

Emergency Life Saving Apparatus

Technical Specification

Cylinder volume : 3L

Inflation pressure : 210 bar +/-10 bar

Duration : =/>15min

Amount of air released : =/> 600L

Equipment (including gas) weight : <6.5 kg approx.



FEATURES AND BENEFITS



Clear view

- Wide field of vision due to
- a specially fabricated visor which has Anti fog



Inner mask

- Inner mask prevents misting and minimizes carbon dioxide dead space.



Quick Release Pin



Whistle

- Integrated whistle warning for depleted air



Carbon Composite Cylinder

- Light weight cylinder for easy to carrying



ELSA-V15 Item # 110377301 *PESO approved

Including aluminium cylinder 3L, Air pipe, protective hood, carry bag, cylinder valve, Silicon half mask



ELSA-V15 Item # 110377401

Including CC cylinder 3L, Air pipe, protective hood, carry bag, cylinder valve, Silicon half mask



ELSA-V15 Item # 110377501 *PESO approved

Including PET cylinder 3L, Air pipe, protective hood, carry bag, cylinder valve, Silicon half mask



APPLICATION EXAMPLES

Chemical / First responders
Law enforcement agencies
High-rise buildings
Hospitals
Hotels
IT office

VENUS PA100 PAPR

A time-tested powered respiratory system.
An easily replaceable filter.



EN 12941:1998+A1:2003 + A2:2008

FEATURES AND BENEFITS

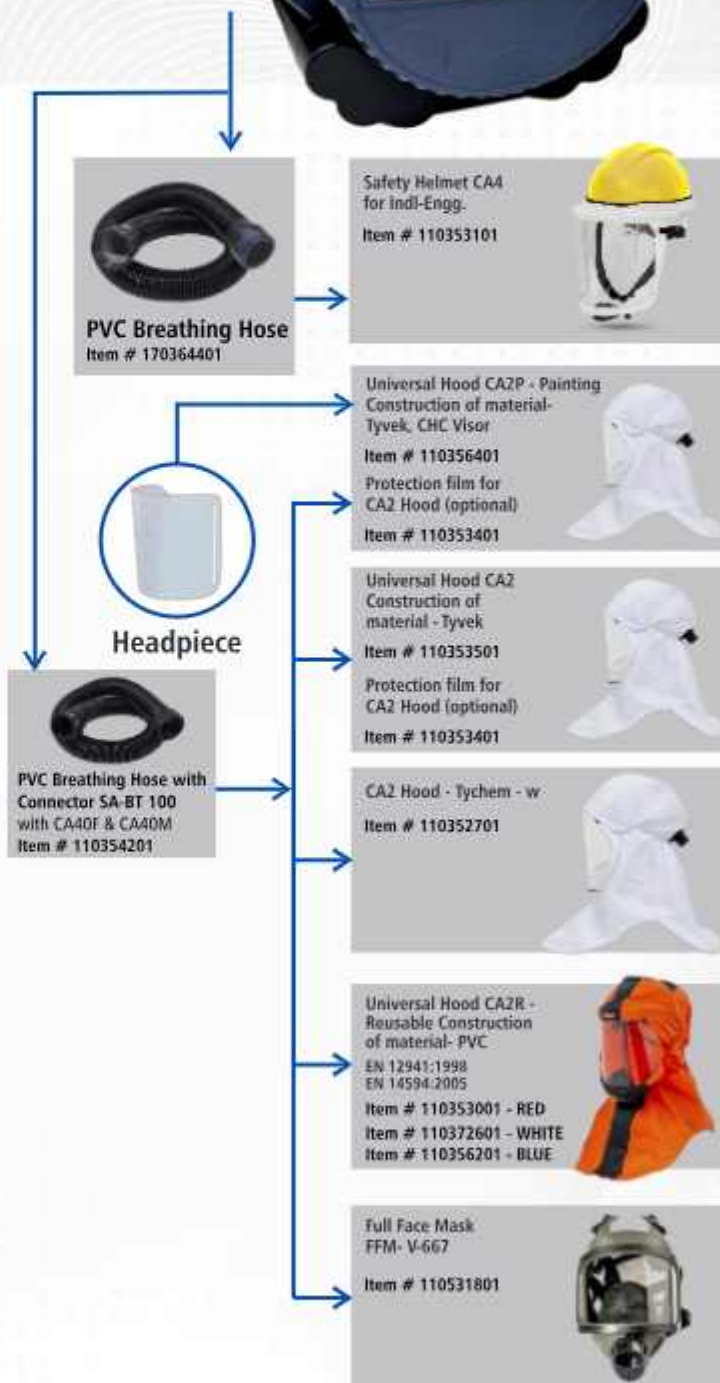
VENUS PA100

- Designed specially for particle filtration
Use for dust, non-toxic and toxic fumes, solid and liquid aerosols, bacteria and viruses
- Lightweight and compact
- Easy click-lock system of attaching the filter cover
- Simple one-button operation
- Newly designed LED control panel with well-arranged pictogram
- Audiovisual alarm
Indication of filter clogging and battery charge
- Electronic system of constant airflow with adjustable airflow in Two levels
- Compatible with whole range of Venus headpieces
Protection factor depends on head top used.

Venus PA100 Unit with filter

Item # 110375701

| Technical specification | VENUS PA100 |
|-------------------------|---------------------------|
| Air flow : | adjustable 180–220 lpm |
| Operation time : | Up to 10 hours |
| Charging time : | 4–5 hours |
| Weight : | 995 g (including battery) |
| Decibel : | Max. 70 dB |
| Dimensions : | 191 mm / 173 mm / 104 mm |
| Battery : | Li-Ion |
| Certification : | EN 12941 TH2 PR SL |
| Filter Efficiency : | 99.7% |



APPLICATION EXAMPLES

Industrial
Dusty industrial environments
Automotive and shipbuilding industry
Cement
Food industry

Grinding, Surface finishing operations etc.
Material handling
Painting & welding
Bagging
Processing

VENUS PAPR AIR10

A time-tested powered respiratory system.
An easily replaceable filter.

Product available with below approval



EN 12941:1998+A1:2003 + A2:2008



FEATURES AND BENEFITS

- **Eye/face/respiratory protection:** High quality welding helmet combined with powered air purifying respirator system, protecting welder from arc radiation, spatter, dust, pollutants, fine particles as well as other contaminants
- **Auto-alarm system:** Flashing indicator, beeping sound together with vibrating blowerto ensure safety.
- **Intelligent air supply :** Respirator will self-adjust the flow rate according to the blockage of the filter automatically.
- **Real-time display indicator :** Filter status/airflow rate/battery capacity indicator, real-time monitoring and displaying



*Auto Dark

Item # 110374401 VENUS PA10 Unit with X9 Welding Hood

·Set includes Battery, Charger,
PVC Breathing Hose, Basic filters,
Hood.



*Auto Dark

Item # 110374501 VENUS PA10 Unit with FS9 Welding- Grinding Hood

·Set includes Battery, Charger,
PVC Breathing Hose, Basic filters,
Hood.

| PAPR Model | AIR10 (A2) PAPR |
|-------------------|---|
| Certifications | CE EN12941 |
| Filter Class | TH3 PR SL |
| Filter Type | Particle Filter |
| Filter Efficiency | >99.99% |
| Air flow Rate | Old version: 170L/Min,210L/Min,230L/Min New version: 170L/Min,190L/Min,210L/Min |
| System | Automatic Detection And Control System Provides Constantly Stable Clean Air |
| Switch | 3 Levels of Airflow Control On/Off Switch Button Control |
| Warning Alarms | Audio, Visual and Vibrating |
| Noise Level | Max.75dB |
| Operating Time | 10h(SD)/20h(HD), at 170L/min with a new particle filter, room temperature |
| Li-Ion Battery | 14.8V/2.6Ah/38.48Wh (SD) 14.8V/5.2Ah/76.96Wh (HD) |
| Charging Cycles | >500 |
| Charging Time | 2 Hours (SD) 4 Hours (HD) |
| Dimensions | 201*183*80mm (L*H*W) |
| Weight | 1555g(SD)/1765g(HD), incl.battery,filter,belt and breathing tube, without Hood |
| Operating Temp. | -5°C to +55°C, R.H.≤90%, non-condensing condition |
| Scope of supply | 1*Blower Unit Incl.Cover, 1*Particle Filter,1*Pre-Filter, 1*Spark Guard, 1*Standard Battery, 1*Universal Charger, 1*Flexible Air hose(65-130cm, Incl.Cover), 1*High-End Comfort Belt&Shoulder Straps, 1*Flowmeter, 1*Operation Manual; |

Spare parts, accessories

Item

| | |
|-------------------------------|------------------|
| Comfort belt & shoulder strap | Item # 170377001 |
| Breathing tube | Item # 170376901 |
| Turbo assembly | Item # 170376101 |
| Filter cover | Item # 170376201 |
| Spark Guard | Item # 170376501 |

Spare parts, accessories

Item

| | |
|----------------------|------------------|
| Weld shield X9 Hood | Item # 170377101 |
| Weld shield FS9 Hood | Item # 170377201 |
| Filter Cover | Item # 170376301 |
| Pre filters | Item # 170376401 |
| Flow Indicator | Item # 170376801 |
| Battery Charger | Item # 170376701 |
| Battery standard | Item # 170376601 |

APPLICATION EXAMPLES

Industrial
Dusty industrial environments
Automotive and shipbuilding industry
Cement
Food industry

Grinding, Surface finishing operations etc.
Material handling
Painting & welding
Bagging
Processing

VENUS FreFlow - PAPR

A time-tested powered respiratory system.
An easily replaceable filter.

Product available with below approval

CE 0194

EN 12941:1998 + A2 : 2008



FEATURES AND BENEFITS

- **Eye/face/respiratory protection:** High quality welding helmet combined with powered air purifying respirator system, protecting welder from ARC radiation, spatter, dust, pollutants, fine particles as well as other contaminants
- **Auto-alarm system:** Flashing indicator, bleeping sound together with vibrating blower to ensure safety.
- **Intelligent air supply :** Respirator will self-adjust the flow rate according to the blockage of the filter automatically.
- **Real-time display indicator :** Filter status/airflow rate/battery capacity indicator; real-time monitoring and displaying



VENUS FreFlow V1 Intelligent Air Supply

- Auto-alarm System
 - Real-time Display Indicator
 - Filter Efficiency >99.97%
- Item # 110356701



VENUS FreFlow V3 Intelligent Air Supply

- Auto-alarm System
 - Real-time Display Indicator
 - Filter Efficiency >99.97%
- Item # 110356601
Item # 110371201 - Demo Unit



VENUS FreFlow Medical Intelligent Air Supply

- Auto-alarm System
 - Real-time Display Indicator
 - Filter Efficiency >99.97%
- Item # 030348601
Item # 110371001 - Demo Unit



PVC Breathing Hose
Bionet Ca40 Connector
Item # 110354201



PVC Breathing Hose
Bionet Quick Lock
Item # 170351301

Venus Medical Hood
Tyvek, CHC Visor
Protection film for
CA2 Hood (optional)

Item # 030348501
Item # 110351401



V3- Auto Dark Hood
Item # 010348801



V1- Auto Dark Hood
Item # 010348901



G10- Grinding Hood
Item # 110352501



Long Hood with
head gear
Item # 110379701



Venus FreFlow Unit Set Complete Set with Hood

- FreFlow Set Unit including accessories (Comfort Belt, Battery, Charger, CA40 F/Bionet PVC hose, Flow indicator, CA2 R hood, Carrying bag) Item # 110370101
- FreFlow Set Unit including accessories (Comfort belt, Battery, Charger, CA40 F/Bionet PVC hose, Flow indicator, CA2 P hood, Carrying bag) Item # 110370001
- FreFlow Set Unit including accessories (Comfort belt, Battery, Charger, CA40 F/Bionet PVC hose, Flow indicator, CA2 Tyvek hood, Carrying bag) Item # 110351001

Spare parts, accessories Item

| | |
|------------------------|------------------|
| Charger | Item # 170366501 |
| Battery | Item # 170366401 |
| Particle Filter | Item # 170366301 |
| Pre Filter for V1 & V3 | Item # 170372501 |
| Unit only | Item # 010349001 |
| Decontaminated belt | Item # 170379801 |

VENUS CleanAIR Advanced 2F PAPR

Advanced model with IP 65 rating,
accepts standard Din thread filters

CE 1024

EN 12941

European Approval

FEATURES AND BENEFITS

Venus Chemical 2F

- Designed for particle &/or chemical filtration
Use for dust, non-toxic and toxic fumes, solid and liquid aerosols, bacteria, viruses & gases.
- Compact design and low weight
- High mechanical, chemical & UV resistance, Resistance to intrusion of liquids and solid particles – IP65
- De-contaminable by a shower, allows immersion disinfection with sodium hypochloride.
- Unique automatic closing system support filter change while being used
- Advanced electronic warning system for warning the wearer
- Full colour TFT display clearly shows all the relevant information needed
- Three working modes HOOD / MASK / ASBEST
- Airflow 120–235 lpm
- Compatible with whole range of Venus headpieces
- Protection factor depends on head top used
- Filters with DIN 40 thread fit
- Available with ATEX Approval



| Technical specification | VENUS CleanAIR 2F |
|-------------------------|--|
| Air flow : | adjustable 120–235 lpm |
| Operation time : | Up to 10 hours with Standard battery Up to 16 hours with Heavy Duty battery |
| Charging time : | 3 hours |
| Weight : | 960 g (including Standard battery) |
| Decibel : | Max. 62 dB |
| Dimensions : | 240mm / 110 mm / 120 mm |
| Battery Standard : | Li-Ion 14,4 V / 2,6 Ah |
| Battery Heavy Duty : | Li-Ion 14,4 V / 5,2 Ah |
| Certification : | EN 12941 Th3, EN 12942 TM3 |

PRODUCT

- | | |
|---|-----------|
| • Spare parts, accessories | Item # |
| • Light flexi hose QuickLOCK™ CA40x1/7" | 170364301 |
| • Rubber hose QuickLOCK™ CA40x1/7" | 170364501 |
| • Comfort padded belt 2F : | 170364601 |
| • Decontaminable belt : | 170363901 |
| • Decontaminable harness : | 170364001 |
| • Comfort padded harness | 170364101 |
| • Battery Li-Ion Standard 14,4 V / 2,6 Ah | 170363601 |

Filters

- | | |
|------------------------------|-----------|
| • Particle filter P3 | 170363301 |
| • Combined filter A2P3 | 170363401 |
| • Combined filter A2B2E2K2P3 | 170363501 |

Spares for PAPR



Battery

Item # 170363701



Charger

Item # 170363801



Flow Indicator

Item # 170362901

APPLICATION EXAMPLES

| | |
|--------------------------------------|---|
| Industrial | Welding, grinding, surface finishing operations |
| Dusty industrial environments | Material handling |
| Automotive and shipbuilding industry | Painting |
| Cement | Bagging |
| Food industry | Processing |
| Pharma | Material handling |

PAPR, Hoods & Spares



Venus Chemical 2F




Unit Set without Hood

- CleanAIR® Chemical 2F including accessories (de-contaminable belt, charger, battery, flow indicator, Carrying bag) Item # 110356301
- CleanAIR® Chemical 2F including accessories (comfort belt, charger, battery, flow indicator, Carrying bag) Item # 110356101
- CleanAIR® Chemical 2F ATEX approved including accessories (De-contaminable belt, charger, battery, flow indicator, Carrying bag) Item # 110356801

Complete Set with Hood

- Unit including accessories (Comfort belt, Battery, Charger, CA40 F/CA40 M PVC hose, Flow indicator, CA2 hood - Tyvek, Carrying bag) Item # 110370401
- Unit including accessories (Comfort belt, Battery, Charger, CA40 F/CA40 M PVC hose, Flow indicator, CA2 R hood, Carrying bag) Item # 110369701
- Unit including accessories (Comfort belt, Battery, Charger, CA40 F/CA40 M PVC hose, Flow indicator, CA2 P hood, Carrying bag) Item # 110369601
- Unit including accessories (Comfort belt, Battery, Charger, CA40 F/Bayonet PVC hose, Flow indicator, V1 hood, Carrying bag) Item # 110369801
- Unit including accessories (Comfort belt, Battery, Charger, CA40 F/Bayonet PVC hose, Flow indicator, V3 hood, Carrying bag) Item # 110369901
- Unit including accessories (Comfort belt, Battery, Charger, CA40 F/Quick Lock PVC hose, Flow indicator, CA4 hood, Carrying bag) Item # 110369501

PAPR Selection Guide

| Sr. No. | PAPR ↓ | Accessories → | Hose | | | | | | Hood | | | | | |
|---------|---|---------------|-------------------------------------|--|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | | | CA40-F Connector & CA40-M Connector | CA40-F Connector & Quicklock Connector | Bayonet Connector & Bayonet Connector | CA40-F Connector & Bayonet Connector | CA40-F Connector & Bayonet Connector | CA40-F Connector & Bayonet Connector | CA27 Hood with CA40F Connector | CA27 Hood with CA40F Connector | CA27 Hood with CA40F Connector | CA27 Hood with CA40F Connector | CA27 Hood with CA40F Connector | CA27 Hood with CA40F Connector |
| 1 |  | Basic Evo | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 |  | Chemical 2F | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 |  | Tecmen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Supplied Air Respirator Unit, Hood & Spares (SA)

IS 10245 (Part 3)



CM/L-7800010911

Supplied air line systems with wide selection of headpiece for high protection

As the name suggests, the Supplied Air Respirator Unit, supplies clean air to the wearer. The air is filtered after being supplied from a compressor. Hoods, helmets, full face pieces, half face pieces and loose-fitting face pieces can be worn to which this clean air can be supplied. The Supplied Air Respirator Unit increases comfort, productivity and protection while offering many advantages over other respiratory protective devices.

CUSTOMER END

Oil free compressed air source + Safety pressure release valve



SA-PFR 100
Item # 110353201

Air pre-filter-regulator
Metal bowl coalescing type for removal of liquid water Inlet / Outlet Ø 12 mm



Air Purification Unit

Air Purification Panel is connected by the air hose to the rest of the apparatus.

Air Control Device

The Air Control Device ensures supply of constant amount of air into the hood. The unit allows air supply adjustment by a swivel control knob. The control knob can be locked into any position so that the set airflow will not vary.

Air Hose

Air Hose connects the Air purification Panel to the Air control device. Careful selection of the hose material is required as it could be vulnerable to the surrounding atmospheric contaminants.

Breathing Tube

This tube delivers air to the face piece. Careful selection of material of breathing tube would be important since it could be more vulnerable to the surrounding atmospheric contaminants.

Filter Regulator Conditioner

Regulator with pre-filter up to 5 micron Borosilicate fine filter up to 0.03 micron + Activated carbon odour filter with pressure gauge, manual drain and metal guard Pressure : 10 bar



STAND MOUNT UNIT

For three users

SA-FRC 100

Filter Regulator Conditioner
Item # 110368301

SA-FRCH-100

Humidifier
Item # 110350101

SA-FRCH 100

Cartridge Life Indicator Unit
Item # 110371901



WALL MOUNT UNIT

For two users



SA-FRC 100

Cartridge Life Indicator Unit
Item # 110356901



Spiral Hose

SA-SH 10 (10 Meter Length)
Item # 110353301



Airline PVC Braided Hose

SA-BH 10 (10 Meter Length)
Item # 110354001

SA-BH 20 (20 Meter Length)
Item # 110354601

SA-BH 30 (30 Meter Length)
Item # 110354401



Flow Control Valve -

Low pressure Connector CA40M

SA-FCV 100

Item # 110354101



Vortex Air Cooler Kit

SA-VAC 100

Item # 110355201

Spares

For SA-FRC 100

Borosilicate Fine
Filter - Set

Item # 170362701



Activated carbon
odour filter - Set

Item # 170362801





**Now Available with
Vortex valve**
for reducing temperature
upto 10 degrees



Humidifier filter
indicator



3 Stage filters



Filter life indicator



Attachment to Hood
& Full face mask



Headpiece

**Safety Helmet CA4
for Indi-Engg.**
Item # 110353101



**PVC Breathing Hose with
Connector SA-BT 100**
with CA40F X 1/7"
Item # 170364401



**PVC Breathing Hose with
Connector SA-BT 100**
with CA40F & CA40M
Item # 110354201

Universal Hood CA2P - Painting
Construction of material-
Tyvek, CHC Visor

Item # 110356401
Protection film for
CA2 Hood (optional)
Item # 110353401



Universal Hood CA2
Construction of material- Tyvek

Item # 110353501
Protection film for
CA2 Hood (optional)
Item # 110353401



CA2 Hood - Tychem - White

Item # 110352701



Universal Hood CA2R -
Reusable Construction
of material- PVC

EN 12941:1998
EN 14594:2005

Item # 110353001



Full Face Mask
FFM- V-777 / V-997

Item # 110534101



Full Face Mask
FFM- V-667

Item # 110531801



**Complete Airline
Set Consist : FRC-100**
Item # 110355501



Low Pressure
Conditioner

+



PVC Hose - 10 mts.

+



Flow Control Valve

+



CA40F & CA40M

+



Universal Hood CA2

**Combo with Hood
SA-FRCH-100**
Item # 110349601



Low Pressure Conditioner
with Humidifier

+



PVC Hose - 10 mts.

+



Flow Control Valve

+



CA40F & CA40M

+



Universal Hood CA2

APPLICATION EXAMPLES

Engineering

Mining

Petrochemicals

Smelting & foundry

Pesticides

Welding, Sand Blasting, Powder

coating, Buffing, Painting, Cutting

Drilling

Unventilated areas

Heat exposure & fine airborne particles

Blending, Handling, Rod mill, Powder packing

Paints

Pharmaceuticals

Ships

Waste treatment

Paint spray, Mixing

Bulk drugs, Material handling

Tank cleaning

Sewage handling,

Cleaning drains

HEARING PROTECTION PRODUCT STYLES



Ear Muffs



VENUS N-555



VENUS N-556



VENUS N-560
Wireless Communication Earmuff



VENUS N-510



VENUS N-530



VENUS N-550

Reusable Earplugs & Earband



VENUS N-401



VENUS N-303 / 302



VENUS N-307 / V-Shant

Disposable Earplugs & Dispenser



VENUS N-101



VENUS N-1010

Definitions, Hazards & Selection

Noise Protection Need:

Noise risk assessment is usually a requirement at industrial workplaces / factories. At a workplace, if two people at two meter distance from each other have to raise their voices to be heard, it indicates the need for noise risk assessment. The purpose of a workplace noise risk assessment is to identify persons who may be exposed to higher levels of noise and / or for longer exposure period.

Noise Hazard and their Effects

The effects of noise induced hearing loss are

- Psychological- Can cause stress / interferes with communication & concentration
- Interference with job performance and safety
- Physiological- aural pain or even nausea

Rating Terms

Each rating number is based upon different test standards, test frequencies and calculation methods and any given hearing protector generates different numbers depending on the rating method used. For example, single-use earplug displays the following ratings:

NRR 32

SNR 35 (H=34, M=32, L=31)

SLC₈₀ 25.0 (Class 4)

Noise Reduction Rating (NRR):

It is specified in USA by 40 CFR (Code of Federal Regulations) Part 211, Product Noise Labeling (ANSI S12.6-1997). The current range of NRR available extends from 0 to 33 decibels. The NRR is derived from an involved calculation that begins with attenuation test results from at least ten laboratory subjects across a range of frequencies. The NRR estimates the amount of protection

achievable by 98% of users in a laboratory setting when hearing protectors are properly fitted. The higher the NRR, the greater reduction in noise level.

Single Number Rating (SNR):

It is calculated in accordance with ISO 4869-2(1994).

Independent laboratories test earplugs to determine their SNR value which can be used to compare the level of noise attenuation offered by different hearing protectors. To determine acoustic pressure on your ears, SNR value needs to be subtracted from the average noise level measured.

For example:

- The machine noise in a plant measures an average of 99 dB.
- You are wearing the Ear Plug with a SNR of 19.
- Thus the acoustic pressure on your ears is on average 80 dB ($99 - 19 = 80$ dB).

SOUND LEVEL CONVERSION (SLC80) rating as applied to hearing protection devices (HPD) is a simple number and class rating derived from a test procedure outlined in the Australian / New Zealand Standard, AS/NZS 1270: 2002. It provides a simple number guide to the level of noise attenuation (reduction) that can be expected from a particular HPD. Because humans are different, the level of protection achieved for each person could also be different and so a scientific formula is used to allow for differences. The SLC value includes a correction to ensure that the stated degree of noise reduction is obtained on 80% of occasions, hence the SLC80 rating. The SLC80 rating is the difference between the sound level of the environment in which the HPD is worn and the sound level reaching the wearer's ears. The testing procedure can be separated into two different areas: Mechanical Testing & Audiometric Testing.



Single use (Disposable) Earplugs

This is the most common type of protection. Such earplugs are usually made of a PU (polyurethane) foam. They are compressed or rolled-down prior to insertion following which they slowly re-expand to fill the ear canal. They come with or without a pre-attached cord and are usually one-size-fit-all. (Earplugs of different sizes are also available).

Reusable Earplugs

Multiple-use ear plugs are typically moulded with a semi-rigid stem and pliable flanges, so they don't require rolling prior to insertion. They insert easily and can be quite comfortable for extended periods.

How to Choose Ear Protection Equipment

- Identify the level and type of noise
- Identify the environment
- Choose equipment that fits well

Identify the level and type of noise

Permissible noise exposure scale

| | |
|--------|-------------------------|
| 85 dB | 8 hours |
| 91 dB | 2 hours |
| 97 dB | 30 minutes |
| 103 dB | 7.5 minutes |
| 109 dB | 1.875 minutes (~ 2 min) |
| 115 dB | 46875 min (~ 30 Sec) |

Choose equipment that fits well

Ear Muffs

To be used when the noise exposure is intermittent

- Are easier to fit
- Are generally more durable than earplug
- Have replaceable parts

Ear Plugs

- To be used when the noise is continuous
- Are simple to use



- Are less expensive than muffs for short term work
- Are more comfortable in hot or damp work areas

FAQ

Q : How can I tell if a noise situation is too loud?

A : There are two rules : First, if you have to raise your voice to talk to someone who is an arm's length away then the noise is likely to be hazardous. Second, if your ears are ringing or sounds seem dull or flat after leaving a noisy place, then you probably were exposed to hazardous noise.

Q : How often should your hearing be tested?

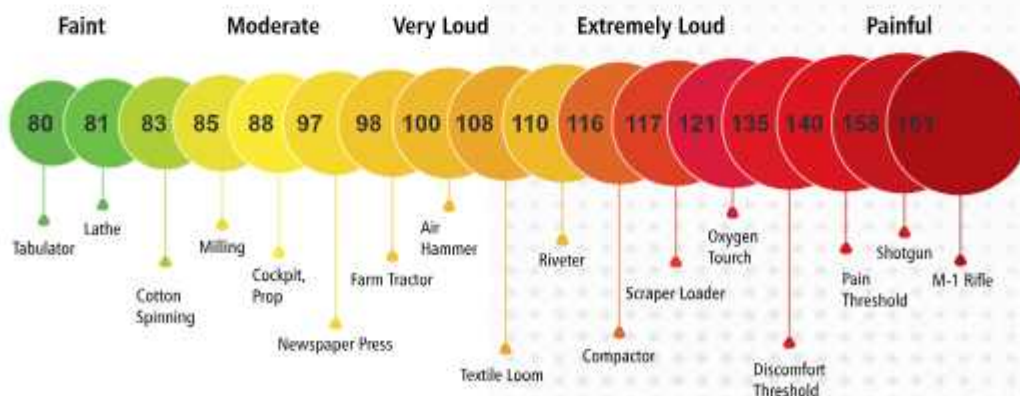
A : Anyone regularly exposed to hazardous noise should have an annual hearing test. Also, anyone who notices a change in his/her hearing (ringing or buzzing in the ears) should have his or her ears checked. People who have healthy ears and who are not exposed to hazardous noise should get a hearing test every three years.

Q : What is the difference between Disposable and Reusable earplugs?

A : Disposable earplugs and reusable ones are not very different in the level of hearing protection. The major difference however, is in how they stand up to wear and tear. A disposable (single use) PU earplug will degrade after first use. PU is not environmental friendly and end up in landfill. Unlike disposables, most reusable ear plugs are made of TPE material. It's environment friendly product. Other apparent benefits of using a reusable earplug are stated below. It does not require rolling for insertion so it is a good pick incase of soiled hands. Moreover, it doesn't require the user to wait to let foam recover unlike a disposable one. Plus, the user will be able to easily get multiple wears out of it since reusable earplugs are designed with added durability in mind. They degrade slower than disposable earplugs since they're typically made with a more resilient design and material to suit washing and hygienic repeat wears.

Identify the environment

Standard Decibel Levels



Definitions, Hazards & Selection

Q: What is the difference between earplugs and earmuffs?

A: Earplugs are simple to use, less expensive than muffs and more comfortable in hot or damp work areas. Ear muffs are easier to fit, generally more durable than plugs and have replaceable parts. In areas where noise levels are very high, muffs and plugs can be worn together to give better protection.

Q: Will the eardrums be poked out with earplugs?

A: That is unlikely for two reasons. First, the average ear canal is about 1 inch long. The typical ear plug is between 1/2 to 3/4 of an inch long. So even if you insert the entire earplug, it would still not touch the eardrum. Secondly, the path from the opening of the ear canal to the eardrum is not straight. In fact, it is quite irregular. This prevents you from poking objects into the eardrum.

Q: If earplug and earmuff are used together, will the NRR be total of both the equipments?

A: Earplugs worn in combination with earmuffs, helmets or communications headsets, typically provide greater protection than either device alone. However, the attenuation of the combination is not equal to the sum of the individual attenuation values.

For example, at 1000 Hz the combination of a 19 dB plug and a 21 dB muff does not yield 40 dB overall, but rather about 31dB. The simplified solution would be to add 10 dB over the highest device viz 21 dB + 10 dB = 31 dB.

Q: What is the unit measurement of noise?

A: It is calculated in Decibel (dB). For every 5 dB increase, the noise is louder by double.

NRR – Noise Reduction Rating. It is a laboratory-derived numerical estimate of the attenuation that is provided by the protector.

Attenuation - Attenuation refers to the damping or decrease of noise levels as a result of wearing Hearing Protector Devices (HPDs).

Suitable Hearing Protector - The term "suitable hearing

protectors" as used in the provision means protectors that are comfortable to wear and that offer sufficient attenuation to prevent hearing loss.

-How to find out the attenuation As per OSHA 1910.95 app B

For Single Protection

When using a sound level meter set on the C-weighting network:

A. Obtain a representative sample of the C-weighted sound levels in the employee's environment.

B. Subtract the NRR from the C-weighted average sound level to obtain the estimated A-weighted TWA under the ear protector.

Estimated Exposure (dBA) = TWA (dBC) - NRR

Single Protection Example:

1. C-weighted TWA = 108 dBC, ear plug NRR = 32

2. Estimated Exposure = $108 - 32 = 76$ dBA

This hearing protection is considered adequate, as it is below the 85 dBA threshold.

For dual protection (ear muffs and plugs are used simultaneously) use the following:

A. Determine the laboratory-based NRR for the higher rated protector (NRRh).

B. Add 5 dB to the field-adjusted NRR to account for the use of the second hearing protector.

C. Subtract the remainder from the TWA as follows:

Estimated Exposure (dBA) = TWA (dBC) - (NRRh + 5)

Dual Protection Example:

1. TWA = 110 dBC, plug NRR = 29, and muff NRR = 19 dB

2. Estimated Exposure = $110 - (29 + 5) = 76$ dBA

This hearing protection is considered adequate, as it is below the 85 dBA threshold.

Note:

If A weighted TWA is set in the sound level meter then deduct value of 7 from NRR Hearing Protection.

Acoustic Measuring System



EAR MUFFS

Quality mark for assurance of product performance

Product available with below approval



ANSI S3.19



Foam filled cushion

- Can be used for long duration without discomfort



FEATURES AND BENEFITS



One size fits all

- No need to stock different sizes
- Lowers inventory



Better sound protection

- Provides adequate protection from noisy environments



Cushioned headband

- Comfort during long working hours



Light weight

- Easy to use for longer duration without hindrance



Compactable (Only N-555)

- Can be easily compacted when not in use and store in small space



Wide ear cushions with height adjustment

- To achieve superior fit

*Available in multi colour.

VENUS N-555

Earmuff

NRR 23 dB

SNR 26 dB

Item #

Colour

| | |
|-----------|-------------|
| 110614501 | RED |
| 110614601 | YELLOW |
| 110614701 | GREEN |
| 110614101 | BLACK |
| 110614801 | BLUE |
| 110614901 | VIOLET-BLUE |



VENUS N-556

Earmuff (For Helmet)

NRR 23 dB

SNR 26 dB

Item #

Colour

| | |
|-----------|-------|
| 110614301 | BLACK |
|-----------|-------|



Wireless Communication Earmuff



VENUS N-560

Electronic Earmuff

NRR 29 dB

SNR 32 dB

Item #

Colour

| | |
|-----------|-------|
| 110619701 | BLACK |
|-----------|-------|

ANSI S3.19

VENUS N-550

Earmuff

NRR 29 dB

SNR 32 dB

Item #

Colour

| | |
|-----------|-------|
| 110613001 | BLACK |
|-----------|-------|



VENUS N-530

Earmuff

NRR 23 dB

SNR 26 dB

Item #

Colour

| | |
|-----------|-------------------|
| 110613301 | FLUORESCENT GREEN |
|-----------|-------------------|



VENUS N-510

Earmuff

NRR 24 dB

SNR 27 dB

Item #

Colour

| | |
|-----------|-----|
| 110612901 | RED |
|-----------|-----|



APPLICATION EXAMPLES

Airport
Cement
Ceramics
Construction
Engineering

Aircraft marshalling
Crushing, Bagging
Material mixing
Sanding, Drilling, Cutting, Demolition work
Sand Blasting, Buffing, Cutting

Mining
Pharmaceuticals
Chemical
Textiles
Pneumatics appl.

Drilling, Material handling
Material charging, material handling
Blending operation, Utility process
Spinning, Weaving, Blow-room
Compressor

REUSABLE EARPLUGS & EARBAND

Quality mark for assurance of product performance

Products available with below approval

IS 9167



CM/L-0007892102



Washable

- Easy to wash and re-use without compromising on hygiene



FEATURES AND BENEFITS



Multi flange design

- Enhanced protection against hazardous noise, water and other particles
- Reusable, value addition



Hygienic wearing possible

- Soiling due to rolling eliminated
- No change in performance after washing



Smart packaging

- Convenient containers available
- *Helmet mounted earplug containers available



VENUS N-401 Earband (For Rifle Shooting)

NRR 27 dB

| Item # | Colour | Packing |
|-----------|--------|----------|
| 110614001 | RED | Bag of 1 |



Quick to use

- Quick insert
- No rolling and waiting rebound / correct fit



TPE material

- Easily washable hence hygiene, prevents ear infection
- On washing does not swell or loose shape conformity
- Environment friendly



Pharma variant

- Metal detectable variant available



VENUS N-307 / V-Shant

Earplug

NRR 27 dB

| Item # | Colour | Cord | Packing |
|-----------|-------------|---------------|------------------------|
| 110613901 | YELLOW-BLUE | Zebra Textile | Bag, Pack of 150 |
| 110613601 | YELLOW-BLUE | Zebra Textile | Container, Pack of 100 |
| 140611801 | YELLOW-BLUE | Zebra Textile | Blister of 1 Pcs. |



VENUS N-303

Earplug

NRR 27 dB

| Item # | Colour | Cord | Packing |
|-----------|--------|---------------------------------|------------------------|
| 110613401 | ORANGE | Zebra Textile | Bag, pack of 150 |
| 110613501 | ORANGE | Zebra Textile | Container, pack of 100 |
| 110614401 | ORANGE | Black PVC with Metal Detectable | Bag, pack of 150 |



VENUS N-302

Earplug

SNR 31 dB

| Item # | Colour | Cord | Packing |
|-----------|--------|---------------|------------------|
| 110619801 | ORANGE | Zebra Textile | Bag, pack of 150 |



VENUS N-303 Blister

| Item # | Colour | Cord | Packing |
|-----------|--------|---------------|-------------------|
| 140611701 | ORANGE | Zebra Textile | Blister of 1 Pcs. |

APPLICATION EXAMPLES

Agriculture
Airport
Cement
Ceramics
Construction
Food & Beverages

Tractor, harvesting machinery
Aircraft marshalling
Crushing, Bagging
Material mixing
Sanding, Drilling, Cutting
Material processing & handling

Police
Engineering
Mining
Pharmaceuticals
Textiles

City traffic
Sand Blasting, Buffing, Cutting
Drilling, Material handling
Material handling
Spinning, Weaving

DISPOSABLE EARPLUGS & DISPENSER

Quality mark for assurance of product performance

Products available with below approvals



FEATURES AND BENEFITS



High Attenuation

- Slow expansion to perfectly fit the ear canal size & form
- Minimizes noise disturbance immediately



One size fits all

- No need to stock different sizes
- Lowers inventory



Better sound protection

- With NRR 32, user is well-protected from noisy environments



Soft Polyurethane foam

- Ultimate comfort fit allows easy use for long duration without discomfort
- Wearer friendly optimum recovery



Pharma variant

- Metal detectable variant available



VENUS N-1120

Uncorded Earplugs with Dispenser

Item # 110612501



VENUS N-101

Earplug

NRR 32 dB



| Item # | Colour | Cord | Packing |
|-----------|--------|---------------------------------|------------------|
| 110612701 | ORANGE | Orange textile corded | Bag, pack of 150 |
| 110613101 | ORANGE | Uncorded | Bag, bag of 250 |
| 110613701 | ORANGE | Black PVC with Metal Detectable | Bag, pack of 150 |



VENUS N-101 Blister

| Item # | Colour | Cord | Packing |
|-----------|--------|----------------|-------------------|
| 140611601 | ORANGE | Orange Textile | Blister of 1 Pcs. |

APPLICATION EXAMPLES

Agriculture
Airport
Cement
Ceramics
Construction
Food & Beverages

Tractor, harvesting machinery
Aircraft marshaling
Crushing, Bagging
Material mixing
Sanding, Drilling, Cutting
Material processing & handling

Police
Engineering
Mining
Pharmaceuticals
Textiles

City traffic
Sand Blasting, Buffing, Cutting
Drilling, Material handling
Material handling
Spinning, Weaving

EYE PROTECTION PRODUCT STYLES



Safety Goggles



VENUS E-507



VENUS E-501



VENUS E-503

Over Spectacles



VENUS E-603



VENUS E-605



VENUS E-607

Welding Spectacles & Goggles



VENUS E-750



VENUS E-767



VENUS E-753

Protective Spectacles



VENUS E-311



VENUS E-307



VENUS E-101



VENUS E-102



VENUS E-305/306

FAQs on Eye Protection

Definitions, Hazards & Selection

Need:

The risk of workplace eye injuries is reduced if proper preventive measures are followed.

To improve eye safety at work, you must first identify the hazards.

Hazards and their Effects:

Potential eye hazards against which protection is needed in the workplace are:

- **Projectiles** (dust, concrete, metal, wood and other particles)
- **Chemicals** (splashes and fumes)
- **Radiation** (especially visible light ultraviolet radiation, heat or infrared radiation and lasers)
- **Blood borne pathogens** (hepatitis or HIV) from blood and body fluids

Types of eye injuries include

- Scratch or cut
- Puncture
- Embedded object
- Chemical burn
- Welding flash (vision loss caused by bright light)

Sources of optical radiation

- Sunlight
- Radiation from heat
- Infrared rays
- Ultraviolet rays
- Reflected light

Types of materials for lens

Glass | Plastic | Polycarbonate



Optical radiation – Sources



Terms

Hard Coating for preventing scratches

It is applied to the exterior of the lens to minimize the likelihood of accidental scratching. This does not make the lens scratch proof, but helps in tremendously reducing fine hair line scratches.

Anti Fog

Prevent to condensation of moisture.

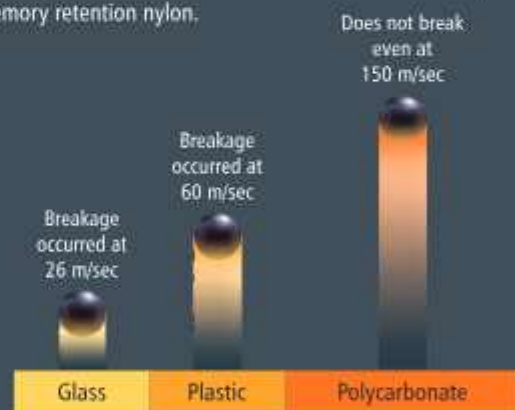


Bridge

It is the part of a frame that connects the two lenses and goes over the nose. The bridge can be either decorative or simple.

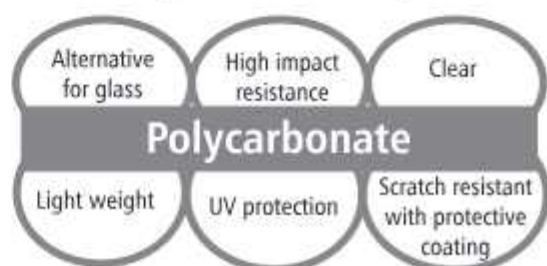
Frame

It is the part that holds the lens. Frame can be made of plastic or memory retention nylon.



Types of materials & Breakage test

Polycarbonate Advantage





User Selection Guide

Appropriate wearing of eye protection relevant for the task can significantly reduce the risk of injury. Always buy eye protection that complies with the applicable National and International Standards.

Safety eyewear includes:



| Risk or Use | Safety Spectacles | Safety goggles | Safety Face shield |
|------------------------------------|-------------------|----------------|--------------------|
| Gas Welding | • | • | • |
| Electric welding | | | • |
| Ultraviolet radiation | • | • | • |
| Laser radiation | • | • | • |
| Solar radiation for industrial use | • | • | • |

General recommendations include:

- **Low impact:** For tasks including chipping, riveting and hammering. Recommended protection includes safety spectacles with/without side shields, eye cup goggles, wide vision goggles, eye shields and face shields. Choose items marked with manufacturer ID and Standards mark.
- **Medium impact:** For tasks including scaling, grinding and machining metals, some woodworking tasks, stone dressing, wire handling and brick cutting. Recommended protection includes goggles, wide vision goggles, eye shields and face shields.
- **High impact:** For tasks including explosive power tools and nail guns. Recommended protection includes face shields.
- **Welding:** Recommended protection includes filters and shields.
- **Chemical handling:** Recommended protection includes wide vision goggles, eye shields or face shields.
- **Hazardous radiation:** For tasks like welding, lasers or fiber optics. Recommended protection includes safety glasses, goggles, face shields or helmets designed for that task.
- **Dust:** Recommended protection includes goggles.

| DESIGNATION OF FILTERS | LIGHT TRANSMISSION VALUE(LTV) | LENS SHADE | UV PROTECTION | FUNCTIONS AND SUITABLE USES |
|------------------------|-------------------------------|------------------|---------------|--|
| 2-1.2 2C-1.2 | 74.4%-100% 74.4%-100% | Clear | ✓ | Suitable for use in good visibility conditions. |
| 5-1.4 5-1.7 | 58.1%-74.4% 43.2%-58.1% | Indoor / Outdoor | ✓ | Reduces dazzling and the harmful effects of blue light. Ideal moving between light and dark areas. |
| 5-3 | 8.5%-17.8% | Smoke Gray | ✓ | For direct sunlight and bright glare conditions. |
| 5-2.5 | 17.8%-29.1% | Blue Mirror | ✓ | Ideal protection against sun glare as it reflects solar rays before filtering UV. |
| 2-1.2 | 74.4%-100% | Yellow Amber | ✓ | Offers sharpness, acuity and contrast. Primary function is to block blue light. |

FAQs on Eye Protection

Definitions, Hazards, Selection & Tests

FAQ

Q: Why should safety eyewear protect against UV and IR rays?

A: Various industrial processes emit IR rays i.e. over luminous transmittance. Also there is very strong UV rays spectrum below luminous transmittance in tropical countries like India. These radiations can cause cataract, retinal burn, painful eye condition, skin cancer around the eyelids etc. The lens of safety spectacles are made up of polycarbonate material which block the entry of UVs radiation into the eyes. Shaded PC lens protect against IR rays.

Q: How to select correct welding filters?

A: Selection and use of welding filters are described in ISO 197354 : 2001

Q: What are markings on an approved eye protector?

A: Manufacturer's name or trademark and national standard need to be mentioned on temple. Alphabets are used to indicate speciality. For e.g. Ocular "C" for chemically toughened, "V" for High velocity and "M" for molten metals and hot solids.

Q: What type of safety eye protection should I wear?

A: The type of safety eye protection you should wear depends on the hazards in your workplace. If you are working in an area that has particles, flying objects or dust, you must at

least wear safety glasses with side protection (side shields). If you are working with chemicals, you should wear goggles. If you are working near hazardous radiation (welding, lasers, or fiber optics) you must use special-purpose safety glasses, goggles, face shields or helmets designed for that task.

Q: What is the difference between glass and polycarbonate safety lenses?

A: Both types of safety lenses meet or exceed the requirements for protecting your eyes.

Glass lenses

- Can not be easily scratched
- Can be used around harsh chemicals
- Can be made in your corrective prescription
- Are sometimes heavy and uncomfortable
- Are likely to fog

Polycarbonate lenses

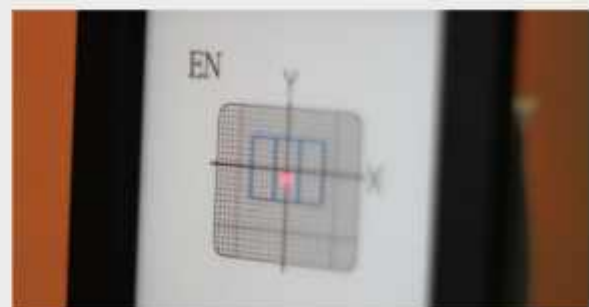
- Are lightweight
- Protects against welding splatter
- Are not likely to fog if coated with AF coating
- Are stronger than glass
- Are more impact resistant than glass
- Are not as scratch resistant as glass
- Are also available as Bifocal or corrective lens



Eye-wear Tests



- Hot & cold conditioning test
- Lens transmission test
- High velocity particle impact test
- Resistance to damage by fire particles



- Flame resistance test
- Ultra violet radiation resistance test
- Spherical, astigmatic and prismatic refractive power test
- High mass impact

WELDING SPECTACLE / GOGGLE

Welding / IR protection

Products available with below approvals

ANSI Z87.1 : 2003

VENUS E-767IR & VENUS E-753

Welding Goggle

Style

- Can be worn over prescription lens (E-767)
- 4 indirect ventilation ports for comfort in hot environment.(E-767)
- Quality mark for assured performance.

Headband

- Textile side adjustment for user convenience.

Lens

- Ergonomic flip up design
- Outer lens of IR shade 6 (E-767) & shade 5 in (E-753)
- Clear inner PC lens for impact resistance.

| Product | Item # | Colour | Packing | Shade | |
|-------------|-----------|-------------------|-----------|---------------|------------|
| VENUS E-767 | 110117701 | DARK GREEN | Pack of 5 | 6.0 IR | ANSI Z87.1 |
| VENUS E-753 | 110117801 | DARK GREEN | Pack of 5 | 5.0 IR | ANSI Z87.1 |



VENUS E-767



VENUS E-753



VENUS E-750



VENUS E-751

VENUS E-750

Welding Spectacle

Style

- Combined UV and IR protection
- Perfect color recognition
- Quality mark for assured performance.

Temple

- Sliding temple for durability & to support different face profiles

Lens

- Lens of IR shade 5
- Side shield for enhanced protection and peripheral vision

Nose bridge

- One piece integrated design to provide good comfort.

| Product | Item # | Colour | Packing | Shade | |
|-------------|-----------|-------------------|---------------------------|---------------|------------|
| VENUS E-750 | 110117601 | DARK GREEN | Pack of 10 | 5.0 IR | ANSI Z87.1 |
| | 110120401 | DARK GREEN | Pack of 20 Retail Pack | 5.0 IR | ANSI Z87.1 |

VENUS E-751

Spectacle

| Product | Item # | Colour | Packing |
|-------------|-----------|--------------------|------------|
| VENUS E-751 | 110129501 | COBALT BLUE | Pack of 10 |

APPLICATION EXAMPLES

Welding application Gas welding, oxygen welding.

Cobalt Blue Furnace Observation,
Smelting Purpose, Heat treatment process observation

SAFETY GOGGLES

Dust & Liquid splash protection

Products available with below approvals

ANSI Z87.1 : 2003



VENUS E-507-CHC-AF

Safety Goggle

Style

- Indirect ventilation
- Over the glass compatibility
- Protection from liquid splash & dust particles
- Double injection frame with soft nose bridge for nasal comfort
- Quality mark for assured performance

Head band

- Superior textile headband for greater comfort
- Side hook & back adjuster available

Lens

- 5 Base curve spherical lens design for wide field of vision
- High impact resistant & UV protection
- Lens provide best in class anti fog & anti scratch protection



VENUS E-507

| Product | Item # | Colour | Packing | Type | |
|-------------|-----------|--------|--------------|--------|------------|
| VENUS E-507 | 110117001 | CLEAR | Pack of 5 | CHC-AF | ANSI Z87.1 |
| VENUS E-507 | 140113701 | CLEAR | Blister of 1 | CHC-AF | ANSI Z87.1 |



VENUS E-503-CHC & VENUS E-501-CHC

Safety Goggle

Style

- 4 indirect ventilation ports for enhanced splash protection & to prevent fogging (E-503)
- Direct ventilation to allow cool air flow for comfort & prevent fogging (E-501)
- Frame produced from PVC material for chemical resistance
- Over the glass compatibility
- Small, compact, lightweight goggle
- Quality mark for assured performance

Head band

- Textile headband for user comfort
- Side adjustment available

Lens

- Hard coated lens designed to be abrasion resistant & provide good visibility
- Provides good Impact & UV protection



VENUS E-503



VENUS E-501



| Product | Item # | Colour | Packing | Type | |
|-------------|-----------|--------|--------------|--------|--|
| VENUS E-503 | 110117101 | CLEAR | Pack of 15 | CHC | |
| VENUS E-501 | 110126501 | CLEAR | Pack of 15 | CHC | |
| VENUS E-503 | 110116801 | CLEAR | Pack of 15 | CHC-AF | |
| VENUS E-501 | 110116901 | CLEAR | Pack of 15 | CHC-AF | |
| VENUS E-501 | 140113801 | CLEAR | Blister of 1 | CHC | |
| VENUS E-503 | 140113901 | CLEAR | Blister of 1 | CHC | |

APPLICATION EXAMPLES

| | |
|-------------------|--|
| Furnace operation | Pouring, Casting, hot dipping |
| Chemical industry | Liquids, acid and chemical handling, degreasing, plating |
| Laboratory | Chemical handling, chemical reaction (splash) |
| Mining | Drilling, Material handling |
| Paints | Paint spray, Mixing |
| Pharmaceuticals | Bulk drugs, Material handling |
| Ships | Tank cleaning |

OVER SPECTACLES

Protection for use with perception spectacles
One size fits all

Products available with below approvals

IS 8521-1



CM/L-0002915463

VENUS E-605 & VENUS E-607

Over Spectacle

Style

- Unisex compact design, provides unrestricted peripheral vision
- Can be worn over prescription spectacles and can be used with all prescription lenses
- 3 Base curve spherical lens design, 153mm wide extensive view (E-607)
- 6 Base curve spherical lens design, 157mm wide extensive view (E-605)
- 100 % Metal free, screw less design
- Quality mark for assured performance

Temple

- Ratchet suits wide face profile for comfort. Adjustable dual moulded temple with soft TPE tips (E-607)
- Transparent side shield made with PC for increased protection (E-605)

Lens

- High impact resistant, UV protection, Hard coated lens design
- Anti fog lens (E-607)

Nose bridge

- Clear nose bridge integrated with the frame gives comfortable nose fit



VENUS E-605



VENUS E-607

| Product | Item # | Colour | Packing | Type |
|-------------|-----------|--------|------------|---|
| VENUS E-607 | 110117501 | CLEAR | Pack of 10 | CHC  |
| VENUS E-605 | 110117401 | CLEAR | Pack of 10 | CHC  |



VENUS E-603

VENUS E-603 Over Spectacle

Style

- Frameless design with wide field of vision
- Can be worn over with prescription spectacles & prescription lenses
- 100 % Metal free, screw less design
- Quality mark for assured performance

Temple

- Polycarbonate temples with side shield & vent

Lens

- Anti fog lens
- Hard coated lens designed to be abrasion resistant & give good visibility.
- High impact resistant & UV protection

Nose bridge

- Clear nose bridge integrated with the frame gives comfortable nose fit

| Product | Item # | Colour | Packing | Type |
|-------------|-----------|--------|--------------|--|
| VENUS E-603 | 110117201 | CLEAR | Pack of 10 | CHC  |
| | 110117301 | CLEAR | Pack of 10 | CHC - AF  |
| | 140114001 | CLEAR | Blister of 1 | CHC  |

APPLICATION EXAMPLES

Agriculture
Battery
Cement
Ceramics
Chemical

Pesticide & Insecticide spraying
Lead handling
Crushing, Bagging, Cement handling
Material mixing
Bulk drugs, Blending operation & Utility process
Chipping, grinding, masonry work, riveting and sanding & Demolition work

Engineering

Mining
Pharmaceuticals
Textiles
Tyre

Sand blasting, Powder coating,
Buffing, Cutting
Drilling, Material handling
Bulk drugs, Material charging, material handling
Spinning, Weaving
Carbon black

Construction

PROTECTIVE SPECTACLES

Stylish Protective
One size fits all

Products available with below approvals

Complies with
ANSI / ISEA Z87.1:2020



CE 2777
EN 166



High Impact Resistant



VENUS E-305 & VENUS E-306

Protective Spectacle

Style

- Wrap round stylish design for enhanced protection.
- Quality mark for assured performance.

Temple

- Ventilated TPE temple prevents slippage with PC insert (E-306)
- PC temple with soft TPE tips prevents slippage (E-305)

Lens

- Anti Fog lens, hard coated designed to be abrasion resistant, good visibility.
- High impact resistant & UV protection

Nose bridge

- One piece integrated design, no loose parts.



Blister Packing

VENUS E-305-CHC-AF

| Item # | Lens Colour | Type | Temple Colour |
|-----------|-------------|----------|---------------|
| 110118001 | Clear | CHC - AF | RED |
| 110118101 | Clear | CHC - AF | YELLOW |
| 110118201 | Clear | CHC - AF | GREEN |
| 110118301 | Clear | CHC - AF | BLACK |
| 110118401 | Clear | CHC - AF | BLUE |
| 110120201 | Clear | CHC - AF | VIOLET-BLUE |

Packing: Pack of 20

140114301 Clear CHC - AF
Blister: Pack of 1

VENUS E-305-CHC

| Item # | Lens Colour | Type | Temple Colour |
|-----------|-------------|------|---------------|
| 110130801 | Clear | CHC | RED |
| 110130901 | Clear | CHC | YELLOW |
| 110131001 | Clear | CHC | GREEN |
| 110131101 | Clear | CHC | BLACK |
| 110131201 | Clear | CHC | BLUE |
| 110131301 | Clear | CHC | VIOLET-BLUE |

Packing: Pack of 20

VENUS E-306-CHC-AF

| Item # | Lens Colour | Type | Temple Colour |
|-----------|-------------|----------|---------------|
| 110118501 | Clear | CHC - AF | RED |
| 110118601 | Clear | CHC - AF | YELLOW |
| 110118701 | Clear | CHC - AF | GREEN |
| 110118801 | Clear | CHC - AF | BLACK |
| 110118901 | Clear | CHC - AF | BLUE |
| 110119001 | Clear | CHC - AF | VIOLET-BLUE |

Packing: Pack of 20

140114401 Clear CHC - AF
Blister: Pack of 1

VENUS E-306-CHC

| Item # | Lens Colour | Type | Temple Colour |
|-----------|-------------|------|---------------|
| 110127001 | Clear | CHC | RED |
| 110127101 | Clear | CHC | YELLOW |
| 110127201 | Clear | CHC | GREEN |
| 110127401 | Clear | CHC | BLUE |
| 110127501 | Clear | CHC | VIOLET-BLUE |

Packing: Pack of 20

APPLICATION EXAMPLES

Agriculture

Battery

Cement

Ceramics

Chemical

Construction

Pesticide & Insecticide spraying

Lead handling

Crushing, Bagging, Cement handling

Material mixing

Bulk drugs, Blending operation & Utility process

Chipping, grinding, masonry work, riveting and sanding & Demolition work

Engineering

Mining

Pharmaceuticals

Tyre

Misc.

Sand blasting, Powder coating,

Buffing, Cutting

Drilling, Material handling

Bulk drugs, Material charging

Carbon black

Chipping, grinding, masonry work, riveting, cutting & sanding

PROTECTIVE SPECTACLES

Protection & comfort

Products available with below approvals



Complies with
ANSI / ISEA Z87.1:2020



VENUS E-102

Style

- Frameless design, light weight frame
- Wrap round stylish design for enhanced protection.
- Model available in small size.
- Quality mark for assured performance.

Temple

- Coloured temple allows easy identification.
- Wide area for side protection.

Lens

- Virgin Polycarbonate optical grade, no distortion, UV protection.
- Hard coated lens designed to be abrasion resistant, good visibility.
- High impact resistant for eye protection. Flexible lens reduces wearer fatigue.

Nose bridge

- One piece integrated design, no lose parts.



Blister Packing



VENUS E-102S - Size: Small

| Item # | Colour | Type | Temple Colour |
|-----------|--------|----------|---------------|
| 110133101 | CLEAR | CHC | BLUE |
| 110120101 | CLEAR | CHC - AF | VIOLET-BLUE |

Packing: Pack of 20



VENUS E-102 NOVA

| Item # | Colour | Type | Temple Colour |
|-----------|--------|----------|---------------|
| 110128601 | CLEAR | CHC | BLUE |
| 110128801 | CLEAR | CHC - AF | GREEN |
| 110129101 | GREY | GHC | GREY |

Packing: Pack of 20

VENUS E-102

| Item # | Colour | Type | Temple Colour |
|-----------|--------|--------------|---------------|
| 110119401 | CLEAR | CHC | BLUE |
| 110119501 | CLEAR | CHC - AF | GREEN |
| 110119601 | AMBER | AHC | YELLOW |
| 110119701 | GREY | GHC | GREY |
| 110119801 | CLEAR | 2.0 BI-FOCAL | CLEAR |
| 110119901 | CLEAR | 2.5 BI-FOCAL | CLEAR |
| 110120501 | CLEAR | CHC | BLUE |
| 110120301 | CLEAR | CHC | BLUE |
| 110120601 | CLEAR | CHC | BLUE |
| 140114201 | CLEAR | CHC | BLUE |

Packing: Pack of 20

Retail Packing: Pack of 30

Packing: Pack of 20

Packing: Blister of 1



Blister Packing



Metal Free

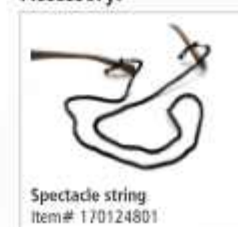


VENUS E-102 ALTO

| Item # | Colour | Type | Temple Colour |
|-----------|--------|--------|---------------|
| 110127801 | CLEAR | CHC | CLEAR |
| 110113401 | CLEAR | CHC-AF | CLEAR |
| 110125601 | CLEAR | AHC | CLEAR |
| 110125501 | CLEAR | GHC | CLEAR |
| 140114101 | CLEAR | CHC | CLEAR |

Packing: Blister of 1

Accessory:



Spectacle string
Item # 170124801

PROTECTIVE SPECTACLES

Protection & comfort

Products available with below approvals

IS 8521-1



CM/L-0002915463

Complies with
ANSI / ISEA Z87.1:2020

VENUS E-101 Sliding temple & VENUS E-101

Protective Spectacle

Style

- Frameless design with a wide field of vision
- Available with sliding temple to suit all face profiles
- Side shield for enhanced protection and peripheral vision
- Quality mark for assured performance.

Temple

- Nylon flexible support side arms for durability



Lens

- Virgin Polycarbonate optical grade, no distortion, UV protection.
- Hard coated lens designed to be abrasion resistant, good visibility.
- High impact resistant for eye protection

Nose bridge

- One piece integrated design, no lose parts.



| Item # | Colour | Packing | Type |
|-----------|--------|------------|---|
| 110119301 | CLEAR | Pack of 10 | CHC with Sliding temple  |
| 110119201 | CLEAR | Pack of 10 | CHC  |

VENUS E-311

Protective Spectacle

Style

- Double moulded built in full face foam / brow pad prevents slipping even in tough working environment, one size fits all.
- Quality mark for assured performance.

Temple - Headband

- Quick release for Temple / headband interchange gives users immense flexibility.
- Co-mould Temple with soft TPE material for comfort.
- Metal free screw-less dielectric safety design

Lens

- Dual lens Wrap round with 8 base curve stylish design,
- Hard coated lens designed to be abrasion resistant, good visibility.
- High impact resistant for eye protection



VENUS E-311



Additional Temple Fitting Also Available

| Product | Item # | Colour | Packing | Type |
|-------------|-----------|--------|------------|----------------------------|
| VENUS E-311 | 110119101 | CLEAR | Pack of 20 | CHC With Elastic head band |



VENUS E-307

| Item # | Colour | Packing | Type |
|-----------|--------|------------|------|
| 110117901 | CLEAR | Pack of 15 | CHC |

VENUS E-307

Protective Spectacle

Style

- Sporty design with a modern frame
- Wrap round stylish design for enhanced protection.
- Quality mark for assured performance.

Temple

- Nylon temple high Comfort with flexible tips.

Lens

- Hard coated lens designed to be abrasion resistant, good visibility.
- High impact resistant & UV protection

Nose bridge

- Soft TPE nose pads for higher comfort

APPLICATION EXAMPLES

Agriculture

Battery

Cement

Ceramics

Chemical

Construction

Pesticide & Insecticide spraying

Lead handling

Crushing, Bagging, Cement handling

Material mixing

Bulk drugs, Blending operation &

Utility process

Chipping, grinding, masonry work, riveting and sanding & Demolition work

Engineering

Mining

Pharmaceuticals

Textiles

Tyre

Sand blasting, Powder coating,

Buffing, Cutting

Drilling, Material handling

Bulk drugs, Material charging, material handling

Spinning, Weaving

Carbon black

HEAD & FACE PROTECTION

PRODUCT STYLES



Industrial Safety Helmets



VENUS H-8000 Series
(No Peak)



VENUS H-7000 Series
(Full Peak)



VENUS H-5000 Series
(Half Peak)



VENUS H-4000 Series
(Half Peak)



VENUS H-6000 Series
(Full Peak)



VENUS H-3000 Series
(Dome)



VENUS H-2000 Series
(Half Peak)



VENUS H-1500 Series
(Half Peak)

Accessories



Earplug Container
only



Pencil Holder



Head-Lamp set



Mobile Holder set

Eye & Face Protection (Face shield)



High Performance
Face-shield Brackets



High Performance
Face-shield Visors

Definition, Hazards, Selection & Tests

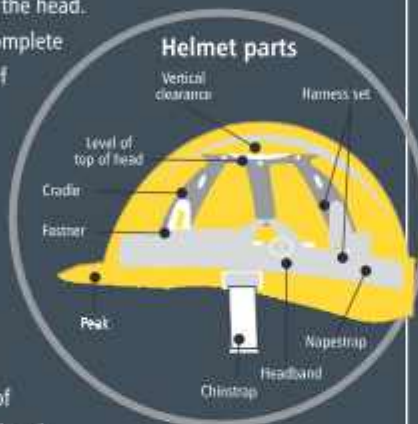
Head Protection Need:

Head protection device shall be worn in case of possibility of any of the following:

- Objects falling from above and striking on head.
- Heads bumping against fixed objects, such as exposed pipes or beams.
- Accidental head contact with electrical hazards.

Definitions

- **Brim** - The rim surrounding the shell.
- **Chinstrap** - An adjustable strap that fits under the chin to secure the helmet on the head.
- **Harness set** - The complete assembly by means of which the helmet is maintained in position on the head, which includes headband, cradle etc.
- **Headband** - Part of harness surrounding the head. The plane of lower margin of headband shall correspond to reference line of the head form. The chinstrap may or may not be worn when nape strap is provided.
- **Cradle** - The fixed or adjustable assembly comprising of anti-conclusion tapes and if required, nape strap as well.
- **Nape strap** - An adjustable (with respect to the shell) strap that fits behind the head to secure the helmet and may be an integral part of the headband.
- **Peak** - The extension of the shell above the eyes.
- **Shell** - The smoothly finished material that provides the general outer form of the helmet.
- **Cap Style helmets** - Type of helmet characterized by a brim/peak in the front. Most helmets use this design. The design looks very similar to cap.
- **Full Brim helmets** - Type of helmet with a brim that wraps completely around the helmet. Helps to cover the neck and ears from the sun and other elements.
- **Marking**
Each helmet (shell and harness) will be legibly and indelibly marked with the following information:
 - a) Manufacturer's name or trade-mark and
 - b) Range / size of helmet
 - c) Month & year of manufacturing



• Certification

The helmets shall be marked with the relevant certification mark.

How to choose the appropriate HPD

- Identify head hazards
- Choose head protection accordingly
- Know the limitations of head protection
- Take the required care of the device

FAQ

What is the shelf life of Helmet?

Head protection products do not have an indefinite life. Helmets should be replaced periodically where user environments are known to include higher exposure to temperature extremes, sunlight or chemicals. If a helmet has been struck by a forcible blow of any magnitude, both the helmet shell and suspension should be replaced immediately, even if no damage is visible.

All safety helmets are marked with month and year of manufacturing. It is recommended that a helmet should not be in use after 5 years from the manufacturing date.

Standard Helmet Test Requirements

• Penetration Resistance



• Flammability Resistance



• Electrical Resistance



• Shock Absorption Resistance



Helmet Accessories

New!



Earplug container only
Item # 170887801

New!



Pencil holder
Item # 170877501

New!



Head-lamp set
Item # 170879901

New!



Mobile Holder set
Item # 170887901



Helmet Browpad
Item # 170864401



Helmet chin strap without chin cup
Item # 170864601



Helmet chin strap with chin Cup
Item # 170864501



Helmet 4 Point Suspension Assembly
Item # 170864701



Helmet 6 Point Suspension
Assembly For H-2000
Item # 170886901



Helmet Mounted Earmuff
Item # 110614301



Helmet Pinlock Fitting
For H-4000
Item # 170882401



Helmet 6 Point Textile Ratchet
Suspension Assembly For H-4000
Item # 170888701

APPLICATION EXAMPLES

Automobiles
Battery
Ceramics
Chemical

Assembly line
Lead handling
Material mixing
Material handling,
material processing

Construction
Metal fabrication
Engineering
Mining

Sanding, Drilling, Cutting Demolition work
Heavy engineering
Sand blasting, Powder
coating, Buffing, Cutting
Drilling, Material handling

Industrial Safety Helmets

Protection against electrical hazards, Class E Hard hats rated for 20000 Volts

Products available with below approvals



VENUS H-8000 Series

Ventilated & Non-Ventilated No Peak

FEATURES AND BENEFITS

- H-8000 Coms with "EZ Swap" accessory slot
- Provide protection against electrical hazards upto 20000 volts (Class E)
- Sleek, attractive & lightweight design high density polyethylene shell
- Comfortable exclusive "Fit-Lock" ratchet adjustment suspensions
- Accessory slots & chin strap attachments

| Part No | Suspension | Adjustment |
|------------------|------------------|--------------------|
| VENUS- H-8000 | 4-point, textile | "Fit-Lock" Ratchet |

| HELMET Shell Color | VENUS HP-8000 Series Shell (ITEM CODE) | |
|--------------------------|--|------------------------|
| | Ventilated | Non-Ventilated |
| | H-8010 Textile Ratchet | H-8010 Textile Ratchet |
| White | 110867001 | 110867101 |
| Red | 110871201 | 110872101 |
| Blue | 110870901 | 110871801 |
| Grey | 110871301 | 110872201 |
| Brown | 110871401 | 110872301 |
| Black | 110871501 | 110872401 |
| N. Blue | 110871601 | 110872501 |
| Orange | 110871101 | 110872001 |
| Green | 110871001 | 110871901 |
| Yellow | 110870801 | 110871701 |

VENUS H-7000 Series

Ventilated & Non-Ventilated Full Peak

FEATURES AND BENEFITS

- H-7000 Coms with "EZ Swap" accessory slot
- Provide protection against electrical hazards upto 20000 volts (Class E)
- Sleek, attractive & lightweight design high density polyethylene shell
- Shell has rain trough for extra convenience
- Large printing surfaces for great custom logo's on front, sides & back
- Comfortable exclusive "Fit-Lock" ratchet adjustment suspensions
- Accessory slots & chin strap attachments

| Part No | Suspension | Adjustment |
|------------------|------------------|--------------------|
| VENUS- H-7000 | 4-point, textile | "Fit-Lock" Ratchet |



| HELMET Shell Color | VENUS HP-7000 Series Shell (ITEM CODE) | |
|--------------------------|--|------------------------|
| | Ventilated | Non-Ventilated |
| | H-7010 Textile Ratchet | H-7010 Textile Ratchet |
| White | 110866801 | 110866901 |
| Red | 110869401 | 110870301 |
| Blue | 110869101 | 110870001 |
| Grey | 110869501 | 110870401 |
| Brown | 110869601 | 110870501 |
| Black | 110869701 | 110870601 |
| N. Blue | 110869801 | 110870701 |
| Orange | 110869301 | 110870201 |
| Green | 110869201 | 110870101 |
| Yellow | 110869001 | 110869901 |

Industrial Safety Helmets

Protection against electrical hazards, Class E Hard hats rated for 20000 Volts

Products available with below approvals



VENUS H-5000 Series

Ventilated & Non-Ventilated - Half Peak

FEATURES AND BENEFITS

- H-5000 Comes with "EZ Swap" accessory slot
- Provide protection against electrical hazards upto 20000 volts (Class E Nonvent Only)
- Sleek & attractive design high density polyethylene shell
- Large printing surfaces for great custom logo's on front, sides & back
- Comfortable "Fit-Lock" ratchet adjustment suspensions
- Accessory slots & chin strap attachments

| Part No | Suspension | Adjustment |
|-------------|------------------|--------------------|
| VENUS-H5000 | 4-point, textile | "Fit-Lock" Ratchet |

| HELMET Shell Color | VENUS HP-5000 SeriesShell (ITEM CODE) | |
|--------------------|---------------------------------------|------------------------|
| | Ventilated | Non-Ventilated |
| | H-5010 Textile Ratchet | H-5010 Textile Ratchet |
| White | 110866601 | 110866701 |
| Yellow | 110867201 | 110868101 |
| Blue | 110867301 | 110868201 |
| Green | 110867401 | 110868301 |
| Orange | 110867501 | 110868401 |
| Red | 110867601 | 110868501 |
| Grey | 110867701 | 110868601 |
| Black | 110867901 | 110868801 |
| Brown | 110867801 | 110868701 |
| N. Blue | 110868001 | 110868901 |

VENUS H-6000 Series

Ventilated & Non-Ventilated - Full Peak

FEATURES AND BENEFITS

- Provide protection against electrical hazards upto 20000 volts (Class E Nonvent Only)
- Added sun protection to ears & neck from harmful UV rays and protection from falling materials & debris
- Sleek & attractive design high density polyethylene shell
- Large printing surfaces for great custom logo's on front, sides & back
- Comfortable "Fit-Lock" ratchet adjustment suspensions
- Accessory slots & chin strap attachments

| Part No | Suspension | Adjustment |
|-------------|------------------|--------------------|
| VENUS-H6000 | 4-point, textile | "Fit-Lock" Ratchet |



| HELMET Shell Color | VENUS HP-6000 SeriesShell (ITEM CODE) | |
|--------------------|---------------------------------------|------------------------|
| | Ventilated | Non-Ventilated |
| | H-6010 Textile Ratchet | H-6010 Textile Ratchet |
| White | 110890501 | 110889901 |
| Yellow | 110890401 | 110889801 |
| Blue | 110890301 | 110889701 |
| Green | 110890201 | 110889601 |
| Orange | 110890101 | 110889501 |
| Red | 110890001 | 110889401 |
| N. Blue | 110865801 | 110866201 |
| Black | 110865901 | 110866301 |
| Brown | 110866001 | 110866401 |
| Grey | 110866101 | 110866501 |

Industrial Safety Helmets

Protection against electrical hazards, Class E Hard hats rated for 20000 Volts

Products available with below approvals



VENUS H-3000 Series (Dome) Non-Ventilated



HIGH HEAT APPLICATION



FEATURES AND BENEFITS

- High temperature resistance shell
- Provide protection against electrical hazards upto 20000 volts (Class E)
- Sleek, attractive & lightweight design PC-ABS shell
- Shell has rain trough for extra convenience
- Large printing surfaces for great custom logo's on front, sides & back
- Comfortable exclusive "Fit-Lock" ratchet adjustment suspensions
- Accessory slots & chin strap attachments

Part No Suspension Adjustment

VENUS-H-3000 4-point, textile "Fit-Lock" Ratchet

| HELMET Shell Color | VENUS H-3000 Series Shell (ITEM CODE) | |
|--------------------|---------------------------------------|--|
| | Non-Ventilated | |
| | V-2010 Textile Ratchet | |
| White | 110891101 | |
| Yellow | 110891001 | |
| Blue | 110890901 | |
| Green | 110890801 | |
| Orange | 110890701 | |
| Red | 110890601 | |

VENUS H-2000 Series

Ventilated & Non-Ventilated - Half Peak

FEATURES AND BENEFITS

- Provide protection against electrical hazards upto 20000 volts (Class E Nonvent Only)
- Sleek, attractive & lightweight design high density polyethylene shell
- Large printing surfaces for great custom logo's on front, sides & back
- Shell has rain trough for extra convenience
- Comfortable exclusive "Fit-Lock" ratchet adjustment suspensions with four & six point attachment
- Accessory slots & chin strap attachments



Part No Suspension Adjustment

VENUS-H2000 4-point, textile "Fit-Lock" Ratchet

| HELMET Shell Color | VENUS H-2000 Series ABS Shell (ITEM CODE) | |
|--------------------|---|--|
| | Non-Ventilated | |
| | V-2010 Textile Ratchet | |
| White | 110808001 | |
| Blue | 110808401 | |
| Orange | 110808301 | |
| Red | 110808101 | |

| HELMET Shell Color | VENUS H-2000 Series Shell (ITEM CODE) | |
|--------------------|---------------------------------------|------------------------|
| | Ventilated | Non-Ventilated |
| | V-2010 Textile Ratchet | V-2010 Textile Ratchet |
| White | 110892301 | 110891701 |
| Yellow | 110892201 | 110891601 |
| Blue | 110892101 | 110891501 |
| Green | 110892001 | 110891401 |
| Orange | 110891901 | 110891301 |
| Red | 110891801 | 110891201 |
| N. Blue | 110865001 | 110865401 |
| Black | 110865101 | 110865501 |
| Brown | 110865201 | 110865601 |
| Grey | 110865301 | 110865701 |
| F. Green | 110880001 | 110880101 |

Optimum peak



Wear & Adjust



Fit-Lock Ratchet



Industrial Safety Helmets

Products available with below approval



VENUS H-4000 Series

Ventilated / Non-Ventilated

FEATURES AND BENEFITS

- Sleek, attractive & lightweight design
- Shell has rain trough for extra convenience
- Inbuilt air vents option which facilitates enhanced air flow and better comfort
- Large printing surfaces for great custom logo's on front, sides & back
- Comfortable pin lock or ratchet adjustment suspensions
- Accessory slots & chin strap attachments
- Quality mark for assurance of product performance



| HELMET Shell Color | VENUS H-4000 Series PP Shell (ITEM CODE) | | | |
|--------------------------|--|------------------------|------------------------|------------------------|
| | Ventilated | | Non-Ventilated | |
| | V-4040 Plastic Ratchet | V-4041 Plastic Pinlock | V-4040 Plastic Ratchet | V-4041 Plastic Pinlock |
| White | 110801501 | 110802501 | 110803501 | 110888501 |
| Yellow | 110801601 | 110802601 | 110803601 | 110888401 |
| Blue | 110801701 | 110802701 | 110803701 | 110804501 |
| Green | 110801801 | 110802801 | 110803801 | 110804601 |
| Orange | 110801901 | 110802901 | 110803901 | 110804701 |
| Red | 110802001 | 110803001 | 110804001 | 110804801 |
| N. Blue | 110802101 | 110803101 | 110804101 | 110804901 |
| Black | 110802201 | 110803201 | 110804201 | 110805001 |
| Brown | 110802301 | 110803301 | 110804301 | 110805101 |
| Grey | 110802401 | 110803401 | 110804401 | 110805201 |

Optimum peak Wear & Adjust Fit-Lock Ratchet



APPLICATION EXAMPLES

Automobiles
Battery
Ceramics
Chemical

Construction

Assembly line
Lead handling
Material mixing
Material handling,
material processing
Sanding, Drilling, Cutting
Demolition work

Metal fabrication
Engineering

Mining

Heavy engineering
Sand blasting, Powder
coating, Buffing, Cutting
Drilling, Material handling

Industrial Safety Helmets

Protection against electrical hazards, Class E Hard hats rated for 20000 Volts

Products available with below approvals



VENUS H-1500 Series

Non-Ventilated

FEATURES AND BENEFITS

- High temperature resistance shell
- Provide protection against electrical hazards upto 20000 volts (Class E)
- Sleek, attractive & lightweight design HDPE shell
- Shell has rain trough for extra convenience
- Large printing surfaces for great custom logo's on front, sides & back
- Comfortable exclusive "Fit-Lock" ratchet adjustment suspensions
- Accessory slots & chin strap attachments

Part No Suspension Adjustment

VENUS- 4-point, textile "Fit-Lock" Ratchet & Pinlock
H-1500

| HELMET Shell Color | VENUS H-1500 Series Shell (ITEM CODE) | |
|--------------------------|---------------------------------------|--------------------------------|
| | Non-Ventilated | Ventilated |
| | H-1510 Textile Ratchet | H-1511 4 Point Textile Pinlock |
| White | 110806901 | 110806801 |
| Yellow | 110808701 | 110809201 |
| Blue | 110808801 | 110809301 |
| Green | 110808901 | 110809401 |
| Orange | 110809001 | 110809501 |
| Red | 110809101 | 110809601 |

APPLICATION EXAMPLES

| | | | |
|-------------|--|-------------------|---|
| Automobiles | Assembly line | Construction | Sanding, Drilling, Cutting Demolition work |
| Battery | Lead handling | Metal fabrication | Heavy engineering |
| Ceramics | Material mixing | Engineering | Sand blasting, Powder coating, Buffing, Cutting |
| Chemical | Material handling, material processing | Mining | Drilling, Material handling |

Eye & Face Protection

Multipurpose Face Shields & Visors To be used with & without Protective Caps



High Performance Faceshield Brackets

TO USE WITH PROTECTIVE CAPS

FEATURES & BENEFITS

- Accepts a wide range of faceshield styles
- Swivel system to raise or lower faceshield
- Attachment system designed to accommodate many competitor's faceshields

| Part No | Item # | Description |
|---------------|-----------|--|
| VENUS-F-BR100 | 110887201 | Plastic bracket, totally dielectric and blades for slotted hard hats |
| VENUS-F-BR200 | 110887301 | Aluminum bracket, heat resistant, with cam lock system |



High Performance Faceshield Visors Windows

DIE CUT WINDOWS - FLAT

FEATURES & BENEFITS

- Produced from tough PETG material for increased durability & chemical resistance.
- Visors and windows offer the multi-fit attachment pattern (or universal fit). This pattern consists of 5 slots strategically located to fit a wide variety of headgear and brackets

| PART NO | Item # | SIZE | MATERIAL | COLOR | THICKNESS |
|---------------|-----------|------------|----------|-------|------------------|
| VENUS-F-VI400 | 110887401 | 8 x 15 1/2 | PETG | Clear | 0.040 in /1.0 mm |

APPLICATION EXAMPLES

Welding Application
Grinding, Chipping Application
Chemical
Construction

Material handling
Sanding, Drilling, Cutting

Engineering
Mining

Sand blasting, Buffing, Cutting
Drilling, Material handling

SORBENTS & SPILL MANAGEMENT

PRODUCT STYLES



Sorbents



VENUS-Sorb Kit 120



VENUS-Sorb Kit 50



VENUS-Sorb Eco Kit 50



VENUS-Sorb Pillows



VENUS-Sorb Pad



VENUS-Sorb Socks



VENUS-Sorb Roll

FAQs Sorbents

7 Steps for Effective Spill Response



1 Assess the nature of the spill:
Safety is your top priority, so when spill happens first assess the spill as it relates to human health, environment and your physical property. Identify the spill material from Material Safety Data Sheet (MSDS) and determine the type of Spill kit required.

2 Select the PPE:
Select the appropriate PPE which covers complete body parts by using suits, splash goggles, chemical resistive gloves and boots. Refer the product MSDS, PPE manufacturer's instructions or consult your Health & Safety professional for assistance



3 Confine Spill area:
Use sorbent boom, pads or other suitable material to contain spill to the immediate area. Prevent spilled substance from entering waterways, storm drains, sewers, floor drains, etc.



4 Stop the source:
Once the spill is confined, locate and stop the source by any of the possible method like turning the container upright, closing the valve or plugging the leak in the damaged container.



5 Clean up:
Determine the best possible action for cleanup. Use V-Sorb Pads to absorb smaller spills and V-Sorb Pillows and Booms to absorb large spills. You can also pump out large quantities of contained liquid. Once the absorbents are fully saturated they should be stored and disposed of in accordance to local regulations.



6 Decontaminate:
Once the cleanup operation is finished, it is important to decontaminate site, equipment and personnel involved.

7 Restock spill kit:
Immediately replace or restock used spill kit components to ensure preparedness for future spill incidents.

Applications

Oil leak and drips in drums and pipeline



Maintenance and cleaning



Marine application



Chemicals spill in factory or laboratory



Waste water discharge



SORBENTS

Work place Safety Solutions.

Spill Prevention Control & Cleanup Products.

For the control and cleanup of Oils, Industrial Liquids and Chemicals in their workplace

Spill protection textile products from recycled materials for making your workplace safe & clean

Absorption capacity

- Large surface area, less material required.
- Absorbs large quantities of spilled fluids
- 1 kg of absorbent is approximately equal to 6 kg saw dust.

Stays afloat in marine application

- Does not sink after absorbing the spilt oil
- Can be cleaned easily

User friendly

- Can be easily placed around a liquid spill to block it from spreading
- Absorbs leaks in tight places
- Lightweight mobile and easy to use
- Environment friendly, reusable

Varieties

- Hazmat Chemical
- Universal-Maintenance
- Oil only-EcoPlus

V-SORB SOCKS

| Item # | Colour | Description |
|-----------|--------|-----------------------|
| 110885801 | BLUE | Hazmat Chemical |
| 110885501 | GREY | Universal Maintenance |
| 110885701 | WHITE | Oil only-EcoPlus |

Box of 3 nos, each of 8'



- Socks are flexible tubes to absorb liquids.
- Mould as per requirements to cover corners or uneven surfaces.
- Wringable & can be incinerated.
- Strong wicking action, absorption begins instantly, prevents liquids from escaping to other areas

V-SORB PAD

| Item # | Colour | Description |
|-----------|--------|-----------------|
| 110885601 | PINK | Hazmat Chemical |

Box of 50 nos, each of 400*400mm
Box of 1roll, each of 15m*400mm



- Pre cut pads ideal for small leaks & drips.
- Multipurpose can be also used as industrial wipe

V-SORB PILLOWS

| Item # | Colour | Description |
|-----------|--------|-----------------------|
| 110886001 | BLUE | Hazmat Chemical |
| 110885401 | GREY | Universal Maintenance |
| 110885901 | WHITE | Oil only-EcoPlus |

Box of 5 nos, each of 400*500mm



- Pillows are ideal to use under spill pallets or machines.
- Easy to retrieve and can soak liquids in hard to reach areas including swamps, basins, tanks, reservoirs.

V-SORB ROLL

| Item # | Colour | Description |
|-----------|--------|-----------------------|
| 110886701 | GREY | Universal Maintenance |



- Perforated: Select your size
- Dimpled: Adds durability & reduces linting
- Non slip underlayer.
- Recommended: Anywhere there is a leak, Janitorial, Hospitality, water fountains, assembly lines with spills incidence.

V-SORB KIT 120

Absorption Capacity - 75 L

| Item # | Quantity |
|----------------------------|----------|
| 110885301 | |
| Contents | |
| Wheeled Trolley Drum 120 L | 1 No. |
| Pad Universal | 24 Nos. |
| Boom Universal | 5 Nos. |
| Pillows Universal | 5 Nos. |
| Multipurpose Gas Mask | 1 Set |
| V-800 + V-7800 ABEK1 P3R | |
| Splash Goggle - G-501 | 1 No. |
| Nitrile Gloves Size: L | 1 Pair |
| Chemical Gum Boots Size: 8 | 1 Pair |
| Barricade Tape | 1 Roll |
| Disposable Bag | 3 Nos. |



V-SORB Eco KIT 50

Absorption Capacity - 20 L

| Item # | Quantity |
|--------------------------|----------|
| 110872701 | |
| Contents | |
| Drum small capacity 50 L | 1 No. |
| Pad Universal | 24 Nos. |
| Boom Universal | 3 Nos. |
| Pillows Universal | 3 Nos. |
| Nitrile Gloves Size: L | 1 Pair |
| Disposable Bag | 3 Nos. |



V-SORB KIT 50

Absorption Capacity - 20 L

| Item # | Quantity |
|--------------------------|----------|
| 110886101 | |
| Contents | |
| Drum small capacity 50 L | 1 No. |
| Pad Universal | 12 Nos. |
| Boom Universal | 3 Nos. |
| Pillows Universal | 3 Nos. |
| Nitrile Gloves Size: L | 1 Pair |
| Disposable Bag | 3 Nos. |



NOTES



Discover the Range of Innovative Filtration Solutions

IS 17570



CM/L-7800132513



ARW Air Filter Product Range

Pocket Filters Series

1. Pocket filters are made from non-breaking synthetic fibres & Microfibers.
2. Pocket filters are welded & formed into the front frame in a leakproof configuration.
3. Pocket filters are highly cost efficient & fully utilization of the Filtering area available.
4. Pocket filter are available in G2, G3, G4, M5, M6, F7, F8 and F9 Grades.
5. Available in GI, MS, Al and Stainless steel casing.
6. Available in various Sizes.



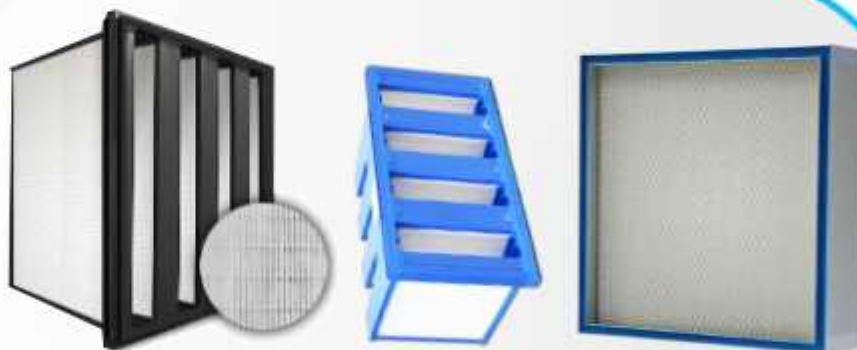
Panel Filters Series

1. Panel filters are sturdy & compact in Size.
2. Panel filters delivers optimum media velocity with low pressure drop even at high volume flow.
3. Panel Filters are available in various types of spacer which gives optimum V-shape.
4. Panel filters are available in G1, G2, G3, G4, M5, M6, F7, F8, F9, H12, H-13 And H-14 Grades.
5. Available in GI,MS,Al and Stainless steel casing.
6. Available in various Sizes.



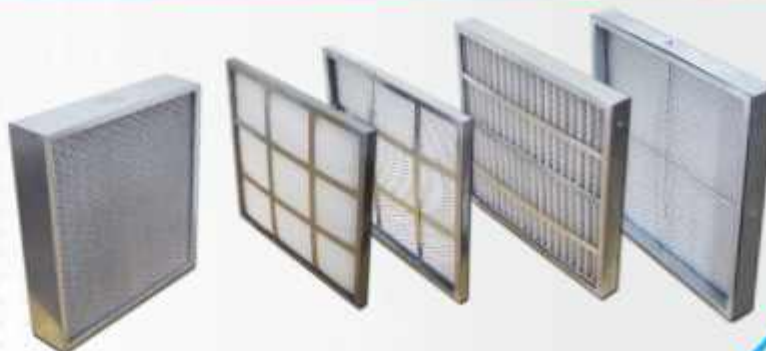
Mini Pleated Filter Series

1. V-cell Filters is mini-pleat compact filters with High efficiency rate.
2. V-cell filters has very large surface area, low initial pressure drop and high dust holding capacity.
3. V-cell filters is an ideal alternative to ordinary bag filters.
4. V-cell filters are available in M5, M6, F7, F8, F9 And H-13 Grades.
5. Available in ABS Casing.
6. Available in various Sizes.



High-Temperature Filter Series

1. HT Filters are used for re-circulated air filtration in drying booths & drying oven.
2. HT Filters can with stand against up to 300° C.
3. HT filters are available in G3, G4, M5, M6, F7, F8, F9, H12,H-13 And H-14 Grades.
4. Available in various Sizes.



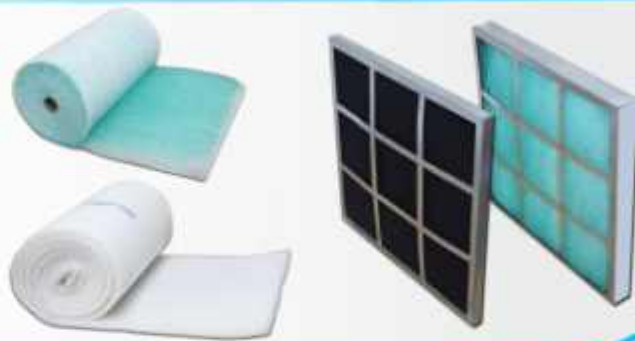
Deep Pleated Filter Series

1. EPA / HEPA / ULPA filters are guarantee effective protection for sensitive products & processes.
2. EPA/HEPA/ULPA filters arresting critical particles from intake & recirculating air flows as per EN1822.
3. EPA/HEPA/ULPA filters passes through stringent testing & finds reliability in critical applicatils.
4. EPA/HEPA/ULPA are available in E10, E11, E12, H13, H14, U15, U16 And U-17 Grades.



Filters Mats Series

1. Filters Mats covered Ceiling filter, Paint arresters, Roll filters, Change-A pad filters.
2. Filters Mats are progressively structured with density of layers increasing towards clear air side.
3. Ceiling filters mat available in M5,M6 & High Grades.
4. Paint arresters mat available in G3 and G4 Grades.
5. Roll-O-Matic filters available in G3 And G4 Grades.
6. Filters Mat comes in either roll size or in Cassette sizes.
7. Techfo is special kind of filters is being used to collect oil particles, sticky substance, Lints...etc.



Paint Arresters Series

1. Paint Arresters is used to arrest overspread paints & oil particles in re-circulation.
2. Paint Arresters are available in roll size as well as in Cassette types.
3. Available in various Sizes.



Baffle Filters Series

1. Baffle Filters is made up with Metals.
2. Baffles Filters used for separation of grease dust, Oil mist, Overspray Particles, etc
3. Easy to clean & Fire resistant.



Accessories & Spares Series

1. Terminal Box available along with HEPA filters.
2. Universal wall mounting frame for the Air filters.
3. Manometers are available to measure the Pressure drop across the filter.



Industries & Application Areas of Air Filters

- **Surface Finishing Technology** - Car Plants, Two Wheelers, Trucks & LCV, Tractors & Construction Equipment, After Market Booths / Body Shops
- **Clean Rooms** - Pharmaceutical Plants, Semi - Conductors, Medical Equipments, Biotechnology, Operation Theaters, Foods & Beverages, Research & Laboratories & Image Processing Industries
- **Comfort Air** - Commercial Building, Facilities Management, Residential, Museums, Hotels, Hospital Buildings, Airports, Railway Coaches, Underground Railway Stations, School & University Building, Underground Parking Spaces
- **Turbo Machinery** - Gas Turbine, Air Compressor, Diesel Engine
- **Nuclear Application** - Nuclear Power Station, Nuclear Fuel Recycling Station, NBC, On Site Air Shelters
- **Precision Manufacturing** - Man made Fiber, Hazardous Chemical, Computer hardware Assembly, Air Separation

Testing Capability (Approvals) :

Venus's laboratory is equipped with modern equipment, Having test Rig as per BS 6540/ASHRAE for Measuring arrestance efficiency as well as for dust spot efficiency. We are also having DOP test facility to test HEPA Filters.

The processes and procedures in Venus's manufacturing plants have been certified in accordance with ISO 9001:2015 & ISO 13485:2016 and are audited annually by Bureau Veritas. The certified facilities produce and supply products conforming to: EUROVENT / EN779 / EN1822 / ASHRAE52.2 / ISO1890



Photo meter For Testing of HEPA Filter



Test - Rig as per B.S. 6540

Testing Facilities :

Filter classification under Eurovent / EN 779 (For Pre and Fine Filters) and EN-1822 (HEPA Filters)

| Group | EN 779 Class | | Avg. Arrestance of synthetic Dust % | Avg. Arrestance of synthetic Dust% | EN 1822 Class | | Integral Value, collection Efficiency % | Local Value, collection Efficiency % |
|-----------|--------------|-----|-------------------------------------|------------------------------------|---------------|-----|---|--------------------------------------|
| | Old | New | | | Old | New | | |
| Coarse | EU1 | G1 | 50 < Am < 65 | | H10 | E10 | 85 | |
| Or | EU2 | G2 | 80 < Am < 80 | | H11 | E11 | 95 | |
| Primary | EU3 | G3 | 80 < Am < 90 | | H12 | E12 | 99.5 | |
| | EU4 | G4 | 90 < Am | | H13 | H13 | 99.95 | 99.975 |
| Fine | FU5/F5 | M5 | | 40 < Em < 65 | H14 | H14 | 99.995 | 99.9975 |
| Or | FU6/F6 | M6 | | 60 < Em < 65 | U15 | U15 | 99.9995 | 99.999975 |
| Secondary | FU7/F7 | F7 | | 80 < Em < 80 | U16 | U16 | 99.99995 | 99.99999 |
| | FU8/F8 | F8 | | 90 < Em < 90 | U17 | U17 | 99.999995 | 99.999975 |
| | FU9/F9 | F9 | | 90 < Em | | | | |

Customer Technical Services



Air monitoring

RPD Selection through air sampling & walk through survey

- Contaminants in the hazardous area are analyzed and studied based on which suitable respirator is recommended as per the application with aid of aerosol monitor. Optical particle size uses state-of-the-art optics with 120° light collection and sophisticated electronics processing resulting in precision, high quality data with size range: 0.3 - 10µ upto 16 adjustable size channels.

Item # 170000100



Noise Monitoring

Noise monitoring services help to determine the high noise level at various locations in industry by using sound level meter for the hearing aid requirement.

Item # 170002100

Fit testing

Quantitative fit test

- Fit tests are performed to check the fit of masks on different face sizes and contours as per guidelines mentioned in the standard.



- Quantitative fit testing program with Portacount, TSI USA.

Item # 170000200

- Quantitative fit testing program with pressure sensor equipment OHD, USA.

Item # 170002000



Qualitative fit test

Irritant smoke is the only OSHA-accepted qualitative fit testing method that does not rely on the test subject's subjective response. Other types of qualitative fit tests, such as banana oil (Isoamyl acetate), saccharin, or Bitrex, may cause false negative results. Use for testing respirators with P100 or FFP3 class respirators

Item # 170000300

Awareness programs

- PPE awareness programs are conducted to create awareness among users about their health and safety.
- Safety awareness films produced by Venus are distributed for free.
- Safety posters are available for customers.
- On site safety PPE displays done for awareness and education.
- Safety Day campaigns & exhibitions can be organised by VENUS.



SCBA servicing

- Includes complete check and servicing of all parts of the SCBA kit.
- Refilling and Hydro testing of the cylinder performed in our laboratory.

Item # 170000500



Airline repairing and servicing

Item # 170351901

Safety posters



Respiratory Protection Awareness
Item #170000600



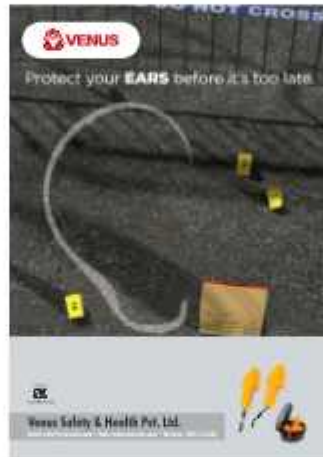
Eye Protection Awareness
Item #170000700



Eye Protection Awareness
Item #170000800



Head Protection Awareness
Item #170000900



Hearing Protection Awareness
Item #170000400



POP. Retail Poster
Item #170002801 - Welding Respirators
Item #170002501 - Earmuff
Item #170002601 - Spectacles
Item #170002701 - Painting Respirators
Item #170002401 - Helmets



Wearer Instruction - FFM
Item #170001500 English
Item #170001300 Kannada
Item #170001200 Telugu
Item #170001100 Tamil



Wearer Instruction - HFM
Item #170001600



Wearer Instruction - SCBA
Item #170002201

List of National & International Standards

Respiratory Protection

| SN | Group | Indian Standard No | Description | European / American Standard | Description |
|----|------------------|-----------------------|--|--------------------------------------|---|
| 1 | | IS 8347:2007 | Respiratory Protective Devices- Definitions, classification and nomenclature of components | EN 134:1998 | Respiratory Protective Devices- Nomenclature of components |
| 2 | | IS 9623:2008 | Selection, use and maintenance of respiratory protective devices | EN 529:2005 | Respiratory Protective Devices- Recommendation for selection, use, care and maintenance |
| 3 | Particle Filters | IS 9473:2002 | Respiratory Protective Devices- Filtering half mask to protect against particles | EN 149:2001 + A1:2009 | Filtering half mask to protect against Particles Requirement, testing & Marking |
| | | IS 15322:2003 | Particulate filters used in Respiratory Protective equipment | EN 143:2000 | Particle Filters Requirements, Testing & Marking |
| 4 | Gas Filters | IS 15323:2003 | Gas filters and combined filters used in respiratory protective equipments | EN 14387:2004 + A1:2008 | Gas filter & combined filters |
| 5 | Facepiece | IS 14766:1999 | Respiratory Protective Devices – Half masks & quarter masks | EN 140:1998 | Half mask & quarter masks requirements, testing & marking |
| | | IS 14166:1994 | Respiratory Protective Devices – Full face masks | EN 136:1998 | Full-face mask for special use requirements, testing & marking |
| 6 | Supplied Air | IS 10245(Part 1):1996 | Closed circuit breathing apparatus (compressed oxygen cylinder) | EN 145:1998 | Self-contained open circuit compressed air breathing apparatus |
| | | IS 10245(Part 2):2023 | Open circuit breathing apparatus | EN 147:2006 | Respiratory Protective Devices- Self contained open circuit breathing apparatus with full face mask |
| | | IS 10245(Part 3):1982 | Fresh air hose and compressed air line breathing apparatus | EN 14593-1 EN 14593-2 EN 14594 | Compressed air line breathing apparatus with a full face mask, half mask or a mouthpiece |
| | | IS 10245(Part 4):1982 | Escape breathing apparatus (short duration self-contained type) | | |
| 7 | RPD Threads | IS 14138:1994 | Respiratory Protective Devices- Part 1 Standard thread connection | EN 148+1999 | Respiratory Protective Devices- Threads for face pieces, standard thread connection |
| | | IS 14138:1994 | Respiratory Protective Devices- Part 2 Threads for facepiece | EN 148-2:1999 | Respiratory Protective Devices- Threads for facepiece, Centre-thread connection |
| 8 | | IS 16289:2014 | Medical Textiles - Surgical face masks - Specification | EN 14683:2014 | Medical Textiles - Surgical face masks - Specification |
| 9 | | IS 18266 | Textiles - Medical respirator - Specification | | |
| 10 | | IS 19022 | Medical Textiles - Barrier face covering - Specification | | |

Hearing Protection

| SN | Group | Indian Standard No | Description | European Standard | Description |
|----|----------------|--------------------|----------------------------------|--------------------------------|--|
| 1 | Ear Protectors | IS 9167:1979 | Specification for Ear protectors | EN 352-1:2002 EN 352-2:2002 | Hearing protectors- Safety requirements and testing Earplugs Hearing protectors- Safety requirements and testing Earplugs |

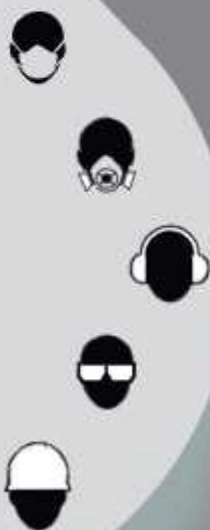
Eye Protection

| SN | Group | Indian Standard No | Description | European Standard | Description |
|----|----------------|--------------------|----------------------------------|-------------------|---------------------------------------|
| 1 | Eye Protectors | IS 8521-1:2022 | Specification for Eye protectors | EN 166 | Personal eye protection specification |

Head Protection

| SN | Group | Indian Standard No | Description | European Standard | Description |
|----|---------------|--------------------|---|-------------------|---------------------------|
| 1 | Safety Helmet | IS 2925:1984 | Specification for industrial safety helmets | EN 397:2012 | Industrial safety helmets |

NOTES



High Protection | Best Comfort | Great Value |

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