



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 to develop new products is the driving force behind 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 a leading manufacturer of Filtration, Occupational Safety, and Healthcare products

We have 5 manufacturing facilities in India with a workforce of 2000+ employees, 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 to over 35 countries for more than 25 years 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



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



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

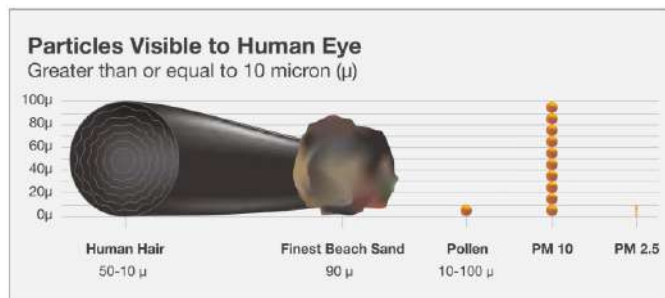
Aerosol - Suspension of solid or liquid particles in a gaseous medium having a negligible falling velocity (generally considered to be less than 0.25 m/s)

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

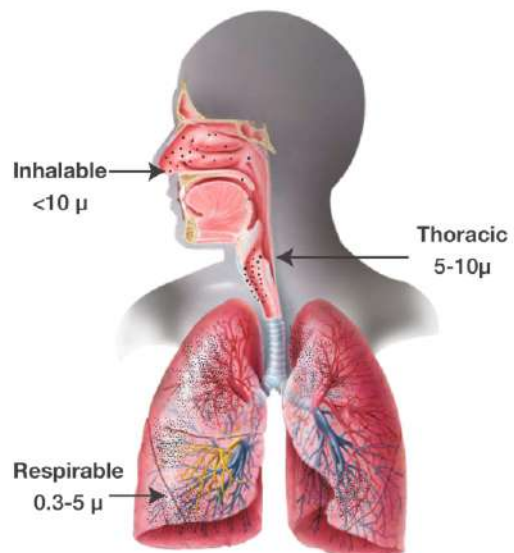
● Select the Appropriate Equipment

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?

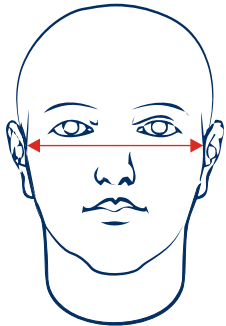
Refer to IS 9623:2008 & IS 8347:2007

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

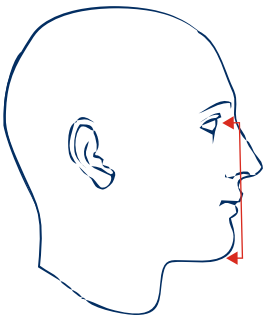
Respirators with replaceable filters are reusable, and a respirator classified as disposable may be reused depending upon the intensity of particulate matter in the atmosphere. All filters must be replaced whenever they are damaged, soiled, or causing discomfort to the wearer (e.g. increased breathing 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

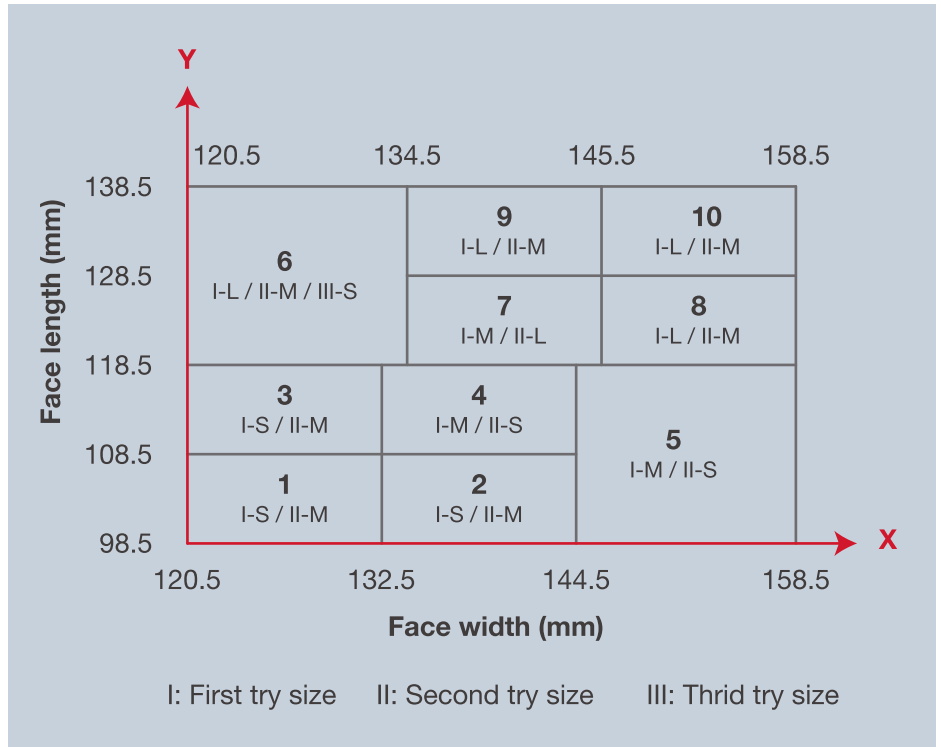
The NIOSH Bivariate Panel includes ten individual member cells defined by face width and face length (mm) with a guide to select HFM/FFM most likely to get the best fit. Ensure the fit is validated.



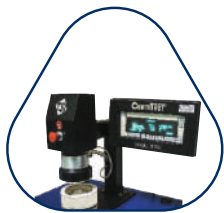
Face width (mm)



Face length (mm)



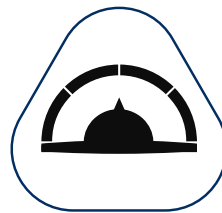
TEST FOR RESPIRATORY PROTECTION DEVICES



Particulate penetration test



Flammability test



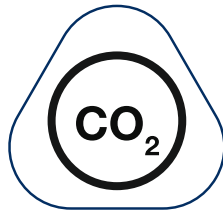
Gas capacity test



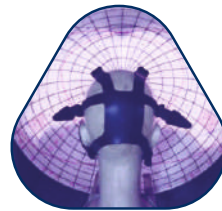
Breathing resistance test



Inward leakage test



Carbon dioxide content of inhalation air test



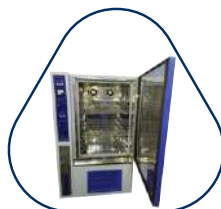
Field of vision test



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”

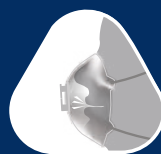
The Stay Cool Butterfly Vent Valve, inspired by the butterfly, incorporated in the maintenance-free respirator series & V-900 series of Half Face Mask & Full Face Mask is widely preferred by users. The design facilitates easy and comfortable breathing.

The Valve efficiently expels warm exhaled containing high levels of 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 endeavour 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



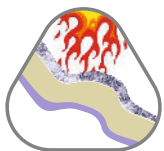
Full Foam Seal

- 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 reuseable 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 there by providing comfort as well as fit



Transparent Valve

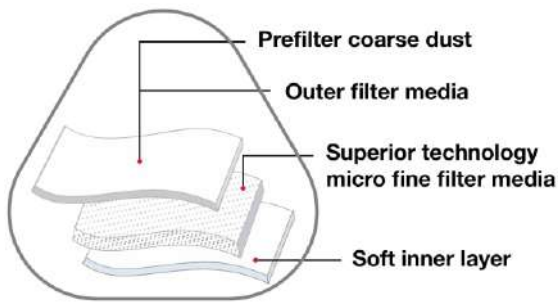
- Transparent valve clearly demonstrates its performance
- It also supports fit verification



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

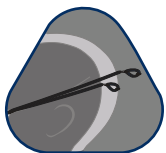
1. Sheds minimum lint
2. Application friendly

● 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



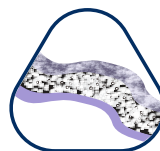
Colour Coded

- 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



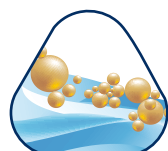
Net Reinforced Shell

- 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-9400

Fold Flat-Mesh Style



VENUS-2700

Convex - Large Filter Style



VENUS-9700

Convex-Mesh Large Filter Style



VENUS-9200

Convex Mesh-V90 Style



VENUS-4400

Fold Flat-V44 C & V Style



VENUS V-1010

3ply Surgical -
Ear Loop / Tie Style



VENUS-4200

Fold Flat-Large Filter V414, 410 Style



VENUS-2900

Convex-Double Shell Style



VENUS-2400

Convex - Seam V210 Style



VENUS-1100

Fold Flat - Beetle Style



VENUS-2200

Convex-V20 Style

V-9400 Flat Fold - Mesh Style

Product available with below approval

IS 9473



CM/L-0007143057



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
- **Miscellaneous** : Oil spraying, Lubricating
- **Pharmaceuticals** : Bulk drugs, Material handling

FEATURES AND BENEFITS



Compatible with Other PPE

- Non-interference with other PPE - Eye, Hearing & Head protection



Flat Fold Design

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



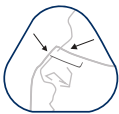
Net Reinforced Shell

- 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)



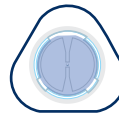
Nose Liner

- Does not interfere with eye-wear
- Prevents leakage through mask
- Does not fog eye-wear
- 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



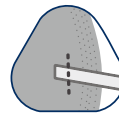
Transparent Vent Valve

- 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 the user's face profile
- Convenient to retrieve while using
- Easy to do & 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

V-2700 Convex - Large Filter Style

Product available with below approval



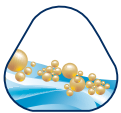
EN 149:2001+A1:2009



APPLICATION EXAMPLES

- **Automobile** : Oil based CNC machine, Powder coating, Maintenance department
- **Agriculture** : Pesticides, Insecticide spraying
- **Battery Industry** : Acid handling, Lead handling, Smelting
- **Chemical Industry** : Arsenic, Cadmium, Lead, other Chemical, Powder handling
- **Ceramics** : Material mixing
- **Engineering** : Welding, Metal pouring, Smelting, Powder coting, Buffing, Painting, Cutting, Sand Blasting
- **Effluent Treatment Plant** : Maintenance
- **Metal Fabrication** : Soldering, Welding, Metal pouring, Smelting
- **Pharmaceuticals** : Bulk drugs, Material handling

FEATURES AND BENEFITS



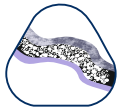
Anti Clogging (NR D)

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



Convex Large Filter Area Style

- Good breathing comfort



Activated Carbon (V-2735)*

- For Adsorption of nuisance level of obnoxious odour and vapour



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



Front pull adjuster

- With broad elastic gives fit & relieves strap pressure



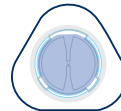
Full Foam Seal

- For Leakproof comfortable fit on edges



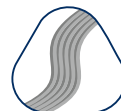
Stay Cool Butterfly Vent Valve

- 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



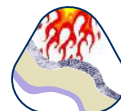
Transparent Vent Valve

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



Elastic Welded Outside Filter Media

- Leakproof
- Avoids puncture in filter area



Outer Flame Retardant Layer (V-2735)*

- Protects from welding sparks



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-230 SLV

CLASS: FFP3 NR D CE

Protection: Solid Dust / Oil Mist
M.U.L.: Upto 30 x OEL



VENUS V-2735 SLOV-V*

CLASS: FFP3 NR D CE

Protection: Solid Dust / Oil Mist / Nuisance Level of Odour
M.U.L.: Upto 30 x OEL

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

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

*(Activated Carbon Layer | Flame Retardant Outer Layer)

V-9700 Convex Mesh - Large Filter Style

Product available with below approval



42 CFR Part 84
NIOSH Approved P100 Respirators

Highest Protection



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

FEATURES AND BENEFITS



Compatible with Other PPE

- Non-interference with other PPE - Eye, Hearing & Head protection



Wide Aluminum Nose Clip

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



Net Reinforced Shell

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



Front pull adjuster Clips

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



Full Foam Seal

- For Leakproof comfortable fit on edges



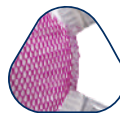
Stay Cool Butterfly Vent Valve

- 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



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



Cut Seal Edge

- Minimum loose fiber from edge



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 RPD914 P100
CLASS: P100
TC-84A-7887
Protection: Oil based particles
M.U.L.: Upto 30 x OEL

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

V-9200 Convex Mesh - V-90 Style

Product available with below approval



APPLICATION EXAMPLES

- **Automobile** : Buffing, Cutting, Grinding
- **Construction** : Sanding, Drilling, Cutting, Carpentry
- **Ceramics** : Moulding, Material handling, Raw Material storage
- **Cement** : Crushing, Bagging, Cement handling
- **Engineering** : Sand Blasting, Cutting
- **Mining** : Drilling, Material handling
- **Tyre** : Carbon black

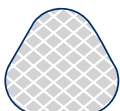
FEATURES AND BENEFITS



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



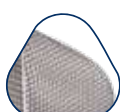
Superior Technology Micro Fine Filter Media
 • Protects against respirable particulate suspended particulate matter while improving breathing comfort
 • Composed of multiple layers: pre-filter, fine filter and skin comfort layer
 • High dust holding capacity, can be used over long/ repeat wearing periods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



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



Nose Liner (V-9210)
 • Does not interfere with eye-wear
 • Prevents leakage through mask
 • Does not fog eye-wear
 • Provides good fit and comfort



Cut Seal Edge
 • Minimum loose fiber from edges



Half Foam Seal (V-90, V-9220)
 • Provides leak-proof and comfortable fit



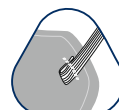
Stay Cool Butterfly Vent Valve
 • Provides breathing comfort and promotes easy communication
 • Removes exhaled air, minimizes the risk of fogging eyewear
 • Patented butterfly design which reduces heat build up inside the mask by 10°F
 • Helps in breathing comfort and enhances respirator wear for a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



Transparent Vent Valve
 • Transparent valve clearly demonstrates the performance of valve, it also supports fit verification



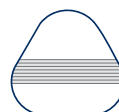
Unique Fit Adjuster Beads
 • Unique fit adjusters present on the Headband can be used to fit the user's face profile
 • Convenient to retrieve while using
 • Easy to do & suits personal adjustment requirements to provide comfortable fit



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




Braided Textile Elastic
 • Does not deform in repeat wear or high temperature



Full Foam Seal (V-9230)
 • Secure and comfortable fit on edges



VENUS V-90 V
CLASS: FFP2 S 
 Protection: Solid Dust / Mist
 M.U.L.: Upto 12 x OEL


Item #	Colour	Elastic	Packing
110904701	YELLOW	SEWN	Pack of 10
110904801	GREY	SEWN	Pack of 10
140903601	GREY	SEWN	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	SEWN	Pack of 10
110904001	WHITE	SEWN	Pack of 10
110903901	GREY	SEWN	Pack of 10
110904101	L.BLUE	SEWN	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	SEWN	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	SEWN	Pack of 10
140903701	WHITE	SEWN	Blister pack of 3

V-4400 Flat Fold - "V & C" Style

Product available with below approval

IS 9473

 CM/L-0007143057

CE 0121

 EN 149:2001+A1:2009

National Institute for Occupational Safety and Health
NIOSH 42 CFR Part 84
 Approved N95 respirators
 Filters >95% Non-oil-based particles



APPLICATION EXAMPLES

- **Agriculture** : Grain Dust, Pollen Dust
- **Textiles** : Spinning, Weaving
- **Food & Beverages** : Food processing and Raw Material Handling
- **Medical** : Doctors, Supporting staff, Patients
- **Hospitality** : House-keeping services, General use
- **Road & Traffic** : Road pollution

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

- 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



Dotted Pattern Edges

- For Soft feel on face contours



Embedded Nose Clip

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



FDA approval series respirator undergo additional 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 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 do & suits personal adjustment requirements to provide comfortable fit



Transparent Vent Valve

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



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



Flat Fold "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



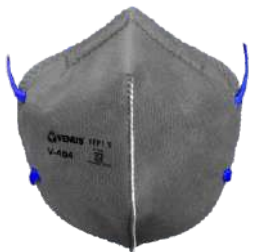
VENUS V-44+
CLASS: FFP1 S 
 Protection: Solid Dust / Mist
 M.U.L.: Upto 4 x OEL
 "V" Style


Item #	Colour	Elastic	Packing
110498001	YELLOW	STAPLED	Carton of 500
110498002	YELLOW	STAPLED	Carton of 1000
110498003	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	Carton of 500
110497801	GREY	STAPLED	Carton of 500
110498101	WHITE	WELDED	Carton of 500
110494801	WHITE	STAPLED	Carton of 500
110497802	GREY	STAPLED	Carton of 1000



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 30
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	L. YELLOW	STAPLED	Carton of 500
140490101	L. YELLOW	STAPLED	Blister pack of 3




VENUS V-4400 SN95
CLASS: Surgical N95 
 TC-84A-9378
 Protection: Non-oil-based particles
US FDA Approved

Item #	Colour	Elastic	Packing
130404301	WHITE	WELDED	Single's Bag
140489801	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	STAPLED	Pack of 50
130404501	WHITE	STAPLED	Single's pack of 25
140489701	WHITE	STAPLED	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
110487701	GREY	WELDED	Pack of 25
140487701	WHITE	WELDED	Blister pack of 3

V-4400 Flat Fold - "C" Style

Product available with below approval

IS 9473

 CM/L-0007143057

IS 18266

 CM/L-7800114511
 Medical Respirators



APPLICATION EXAMPLES

- Agriculture : Grain Dust, Pollen Dust
- Textiles : Spinning, Weaving
- Food & Beverages : Food processing and Raw Material Handling
- Medical : Doctors, Supporting staff, Patients
- Hospitality : House-keeping services, General use
- Road & Traffic : Road pollution

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

- 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



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 do & suits personal adjustment requirements to provide 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



VENUS V-4420 E

CLASS: FFP2 S

Protection: Solid Dust / Mist
 M.U.L.: Upto 12 x OEL

Item #	Colour	Elastic	Packing
130414401	WHITE	WELDED	Pack of 50

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



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	L. BLUE	WELDED	Pack of 50
140489901	WHITE	WELDED	Blister Pack of 3

V-1010 Surgical Ear-loop / Tie - " 3 Ply " Style

Product available with below approval

IS 16289



CM/L-7800022615

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



APPLICATION EXAMPLES

- **Healthcare** : General Doctors, Dentist
- **Laboratory** : Phlebotomist, Pathologist etc.

FEATURES AND BENEFITS



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 inside the mask

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



Class of filters in 3 Ply

- Class 3 mask are certified and tested against Fluid & Splash resistance which helps reduce potential exposure to blood & body fluid
- Class 3 mask have BFE (Bacteria Filtering Efficiency) of 98%



Dispenser pack

- Packaged in easy to open



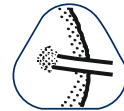
Large face Coverage

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



Available in 2 Headband Style

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



Welded Head Strap

- Leak-proof and optimum comfort



VENUS V-1010 Ear-loop

CLASS: 1 & 2

Protection: Solid Dust / Mist



VENUS V-1010 Tie

CLASS: 2

Protection: Solid Dust / Mist

Item #	Colour	Elastic	Packing
130402301	L. BLUE	WELDED Ear-loop - Class 2	Pack of 50
130415101	L. GREEN	WELDED Ear-loop - Class 1	Pack of 50

Item #	Colour	Elastic	Packing
130402201	L. BLUE	Tie - Class 2	Pack of 50

V-4200 Flat Fold - Large Filter Style

Product available with below approval

IS 9473

 CM/L-0007143057

CE 0121
 EN 149:2001+A1:2009

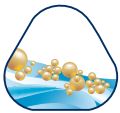
National Institute for Occupational Safety and Health
NIOSH 42 CFR Part 84
 Approved N95 respirators
 Filters >95% Non-oil-based particles



APPLICATION EXAMPLES

- **Automobile** : Painting, Powder coating, Welding, Maintenance work
- **Agriculture** : Pesticides, Insecticide spraying
- **Battery Industry** : Lead handling
- **Ceramics** : Material mixing
- **Chemical Effluent** : Material handling Material processing
- **Engineering** : Welding, Smelting, Powder coting, Buffing, Painting, Cutting, Send Blasting
- **Metal Fabrication** : Soldering, Welding, Metal Pouring, Smelting
- **Pharmaceuticals** : Bulk drugs, Material handling,

FEATURES AND BENEFITS



Anti Clogging (NR D)

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



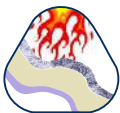
Compatible with Other PPE

- Non-interference with other PPE - Eye, Hearing & Head protection



Superior Technology Micro Fine Filter Media

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



Outer Flame Retardant Layer (V-2735)*

- Protects from welding sparks



Embedded Nose Clip

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



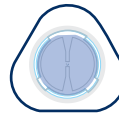
Big Nose Liner

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



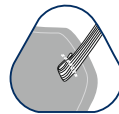
Unique Fit Adjuster Beads

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



Transparent Vent Valve

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



Elastic Sewn Outside Filter Area

- Sewn head straps provide better pull strength



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

- Filter nuisance level organic vapour gases below TLV



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



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



VENUS V-430 SL
CLASS: FFP3 NR D CE
 Protection: Solid Dust / Mist
 M.U.L.: Upto 30 x OEL
 Inside Clip & Nose Liner



VENUS V-430 SLV
CLASS: FFP3 NR D CE
 Protection: Solid Dust / Mist
 M.U.L.: Upto 30 x OEL
 Inside Clip & Nose Liner
 Exhalation Vent Valve

Item #	Colour	Elastic	Packing
110499001	WHITE	SEWN	Pack of 15

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.



VENUS V-410 SL
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 SL NR D
CLASS: FFP1 S

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 SLOV-V*
CLASS: FFP1 NR D

Protection: Solid Dust / 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 SLOV-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
110497601	GREEN	SEWN	Pack of 15
110432001	GREEN	SEWN	Pack of 20 without Valve
140490701	GREEN	SEWN	Blister Pack of 2



VENUS V-425 SLOV-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
110490901	WHITE	SEWN	Blister Pack of 3



VENUS V-4200 N95
CLASS: N95

TC-84A-8112
 Protection: Non oil based particles
 Inside clip & Nose liner

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

V-2900 Convex - Double Shell Style

Product available with below approval

CE 0121
EN 149:2001+A1:2009

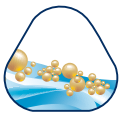
NIOSH 42 CFR Part 84
Approved N95 respirators
Filters >95% Non-oil-based particles



APPLICATION EXAMPLES

- **Automobile** : Powder coating, Oil spraying
- **Cement** : Crushing, Bagging, Cement handling
- **Ceramics** : Material mixing
- **Chemical Industry** : Material handling
- **Engineering** : Cutting, Sand Blasting
- **Mining** : Drilling, Material handling
- **Pharmaceuticals** : Bulk drugs, Material handling
- **Textiles** : Spinning, Weaving
- **Tyre** : Carbon black

FEATURES AND BENEFITS



Anti Clogging (NR D)

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



Compatible with other PPE

- Non-interference with other PPE - Eye, Hearing & Head Protection



Dual Shell Design

- Primary filter supports high dust retention capacity



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



Front Pull Adjuster Clips

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



Activated Carbon Granules Sandwiched Fabric Layer (RPD814P95, RPD714N95OAO)

- For Adsorption of nuisance level of obnoxious odour and vapour



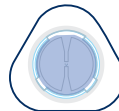
Wide Aluminum Nose Clip

- 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



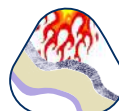
Transparent Vent Valve

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



Elastic Welded / Stapled Outside Filter Media

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



Outer Flame Retardant Layer (V-2735)*

- Protects from welding sparks



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



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

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



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 RPD714N95OAO
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: Non 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 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



VENUS RPD814P95OA*
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

V-2400 Convex - Cup Seam Style

Product available with below approval

IS 9473

 CM/L-0007143057

CE 0121

 EN 149:2001+A1:2009

National Institute for Occupational Safety and Health

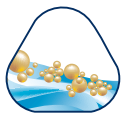
 42 CFR Part 84
 Approved N95 respirators
 Filters >95% Non-oil-based particles



APPLICATION EXAMPLES

- **Automobile** : Painting, Powder coating, Welding, Maintenance work
- **Agriculture** : Pesticides, Insecticide spraying
- **Battery Industry** : Lead handling
- **Ceramics** : Material mixing
- **Chemical Industry** : Material handling Material processing
- **Engineering** : Welding, Smelting, Powder coting Buffing, Painting, Cutting, Send Blasting
- **Effluent Treatment Plant** : Maintenance
- **Metal Fabrication** : Soldering, Welding, Metal Pouring, Smelting
- **Pharmaceuticals** : Bulk drugs, Material handling

FEATURES AND BENEFITS



Anti Clogging (NR D)

- Allow to use in multiple shift
- Single layer respirator



Compatible with other PPE

- Non-interference with other PPE - Eye, Hearing & Head Protection



Tough Shell

- Well-integrated structure maintains the shape disallowing collapse



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



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

- For Adsorption of nuisance level of obnoxious odour and vapour



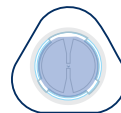
Aluminum Nose Clip

- 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



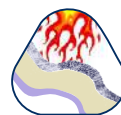
Transparent Vent Valve

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



Elastic Sewn Outside Filter Media

- Sewn head straps which provides better pull strength



Outer Flame Retardant Layer (V-2735)*

- Protects from welding sparks



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



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

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



VENUS V-2424-V
CLASS: FFP2 SLOV



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

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



VENUS V-2426 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	SEWN	Pack of 10
140257301	D.BLUE	SEWN	Blister Pack of 3



VENUS V-2427 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-V
CLASS: FFP2 SLOV



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

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



VENUS V-2428 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 / 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 / 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



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-5492
Protection: Non Oil Based Particles

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



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 25



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 V-2400 SN95+
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




VENUS V-2400

CLASS: N95 
 TC- 84A-9951
 Protection: Non oil based particles
 Nose Liner

Item #	Colour	Elastic	Packing
110275601	WHITE	WELDED without adjuster	Pack of 20




VENUS V-2400 V

CLASS: N95 
 TC- 84A-9945
 Protection: Non oil based particles
 Exhalation Vent Valve | Nose Liner

Item #	Colour	Elastic	Packing
110275701	WHITE	WELDED without adjuster	Pack of 15




VENUS V-2402

CLASS: N95 
 TC- 84A-9947
 Protection: Non oil based particles
 Nose Liner

Item #	Colour	Elastic	Packing
110276001	WHITE	WELDED	Pack of 20




VENUS V-2402 V

CLASS: N95 
 TC- 84A-9948
 Protection: Non oil based particles
 Exhalation Vent Valve | Nose Liner

Item #	Colour	Elastic	Packing
110276101	WHITE	WELDED	Pack of 15




VENUS V-2404

CLASS: N95 
 TC- 84A-9949
 Protection: Non oil based particles
 Half Foam Seal

Item #	Colour	Elastic	Packing
110275801	WHITE	WELDED	Pack of 20



VENUS V-2404 V

CLASS: N95 
 TC- 84A-9946
 Protection: Non oil based particles
 Exhalation Vent Valve | Half Foam Seal

Item #	Colour	Elastic	Packing
110275901	WHITE	WELDED	Pack of 15

V-1100 “Flat-Fold” - Beetle Style

Product available with below approval

IS 18266

 CM/L-7800114511
 Medical
 Respirator

IS 19022

 CM/L-7800109485
 Barrier Face
 Covering

CE 0121
 EN 149:2001+A1:2009

National Institute for Occupational Safety and Health

 42 CFR Part 84
 Approved N95 respirators
 Filters >95% Non-oil-based particles



APPLICATION EXAMPLES

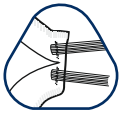
- **Healthcare** : General Doctors, Dentist, Ophthalmologist, Surgeons, Physicians etc.
- **Laboratory** : Phlebotomist, Pathologist etc.
- **Pharmaceuticals** : Bulk drug, Charging application etc.

FEATURES AND BENEFITS



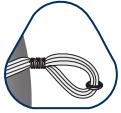
Unique 3 Panel Beetle Design

- Accommodates facial movements which help you work and talk comfortably
- Fits wide profile of face shapes and sizes.
- Soft side provides face seal comfort still center 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.



Superior Technology Micro Fine Filter Media

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



Stay Cool Butterfly Vent Valve (V-1120 SLV & V-1130 SLV)

- 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



Compatible with other PPE

- Non-interference with other PPE - Eye, Hearing & Head Protection



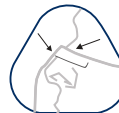
Fluid / Splash resistance for Medical Respirator

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



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



Embedded Nose Clip

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



VENUS RPD723N95

CLASS: N95



TC-84A-7876

Protection: Non Oil Based Particles

Item #	Colour	Elastic	Packing
130404101	WHITE	SEWN	Pack of 15
140491101	WHITE	SEWN	Blisters Pack of 3



VENUS RPD724N95

CLASS: N95



TC-84A-7880

Protection: Non Oil Based Particles
 Exhalation Vent Valve

Item #	Colour	Elastic	Packing
130403701	WHITE	SEWN	Pack of 10



VENUS V-1110 SL
CLASS: FFP1 NR D CE

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

Item #	Colour	Elastic	Packing
130403501	WHITE	SEWN	Pack of 15



VENUS V-1110 SLV
CLASS: FFP1 NR D CE

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

Item #	Colour	Elastic	Packing
130403201	WHITE	SEWN	Pack of 10



VENUS V-1120 SL
CLASS: FFP2 NR D CE

Protection: Solid Dust / Mist
M.U.L.: Upto 10 x OEL
Classification : EN 149:2001+A1:2007

Item #	Colour	Elastic	Packing
130403601	WHITE	SEWN	Pack of 15



VENUS V-1120 SLV
CLASS: FFP2 NR D CE

Protection: Solid Dust / Mist
M.U.L.: Upto 10 x OEL
Classification : EN 149:2001+A1:2007

Item #	Colour	Elastic	Packing
130403301	WHITE	SEWN	Pack of 10



VENUS V-1130 SLV
CLASS: FFP3 NR D CE

Protection: Solid Dust / Mist
M.U.L.: Upto 30 x OEL | Exhalation Vent Valve
Classification : EN 149:2001+A1:2007

Item #	Colour	Elastic	Packing
130403401	WHITE	SEWN	Pack of 10



VENUS V-1120 Lite
CLASS: IN95 EN

Protection: Solid Dust / Mist
M.U.L.: Upto 12 x OEL

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



VENUS V-1110+
CLASS: IN99 EN

Protection: Solid Dust / Mist
M.U.L.: Upto 30 x OEL
Exhalation Vent Valve

Item #	Colour	Elastic	Packing
130492001	WHITE	WELDED	



VENUS V-Shwas BFC
CLASS: BFC EN

Protection: Solid Dust / Mist

Item #	Colour	Elastic	Packing
130492101	WHITE	WELDED	



VENUS V-Shwas BFC
CLASS: BFC EN

Protection: Solid Dust / Mist

Item #	Colour	Elastic	Packing
130492101	BLACK	WELDED	Bag of 3

V-2200 Convex - V-20 Style

Product available with below approval



APPLICATION EXAMPLES

- **Automobile** : Painting, Powder coating, Welding, Maintenance work
- **Agriculture** : Pesticides, Insecticide spraying
- **Battery Industry** : Lead handling
- **Ceramics** : Material mixing
- **Chemical Effluent** : Material handling, Material processing
- **Engineering** : Welding, Smelting, Powder coting, Buffing, Painting, Cutting, Send Blasting
- **Metal Fabrication** : Soldering, Welding, Metal Pouring, Smelting
- **Pharmaceuticals** : Bulk drugs, Material handling,

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



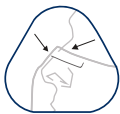
Dual Shell Design

- Durable in repeat/long wears



Dotted Pattern Edges

- For Soft feel on face contours



Wide Aluminum Nose Clip

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



Wide Aluminum Nose Clip

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



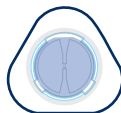
Stay Cool Butterfly Vent Valve

- 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



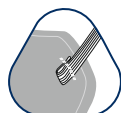
Unique Fit Adjuster Beads

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



Transparent Vent Valve

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



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



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-2220 V
CLASS: FFP2 S 
 Protection: Solid Dust / Mist
 M.U.L.: Upto 12 x OEL
 Exhalation Vent Valve | 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-2230-V
CLASS: FFP3 SL 
 Protection: Solid Dust / Oil Mist
 M.U.L.: Upto 12 x OEL
 Exhalation Vent Valve | Full Foam Seal

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



VENUS V-2210 SLV
CLASS: FFP1 NR D 
 Protection: Solid Dust / Mist
 M.U.L.: Upto 4 x OEL
 Exhalation Vent Valve

Item #	Colour	Elastic	Packing
110259601	WHITE	SEWN	Pack of 15



VENUS V-2210 V
CLASS: FFP1 S 
 Protection: Solid Dust / Mist
 M.U.L.: Upto 4 x OEL
 Exhalation Vent Valve | Nose Liner

Item #	Colour	Elastic	Packing
110272401	WHITE	SEWN	Pack of 15

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-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 Filters (Single)
(STD. Threads)



VENUS V-500
Half Face Mask



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



VENUS V-400
Half Face Mask
with Single Filer

V-900 Reusable Half Face Mask

Product available with below approval



Size options



APPLICATION EXAMPLES

- **Battery** : Lead handling, acid handling
- **Chemical** : Laboratory, Coating, Bonding, Handling
- **Cold storage** : Warehouses
- **Engineering** : Welding, Powder coating, Painting
- **Foundries** : Foundry areas
- **Mining** : Drilling
- **Automobile** : Painting, Powder coating
- **Petrochemicals** : Solvent handling, Maintenance department
- **Agrochemical** : Pesticides spraying
- **Paints** : Paint spray, Mixing, Resins
- **Pharmaceuticals** : Bulk drugs, Material handling
- **Ships** : Tank cleaning
- **Sewage** : Drains

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



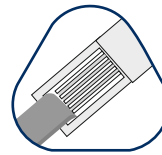
Drop down

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



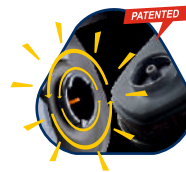
Head cradle

- 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



V-7900

Dual Filters For HFM & FFM (Twist & Click Connection)

Product available with below approval



VENUS V-900 HFM Silicon / TPE



Compatible with Venus dual V-7900 Filters

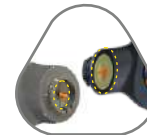
Item #	Colour	Size
110543501	L.BLUE	SMALL - Silicon
110533301	L.BLUE	MEDIUM - Silicon
110533401	L.BLUE	LARGE - Silicon
110533001	BLUE	SMALL - TPE
110533101	GREY	MEDIUM - TPE
110533201	BLACK	LARGE - TPE

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



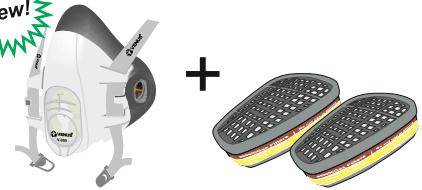
HAZARD TYPE
OV/CL/SD/AM
MUL : 1000 ppm or 30 X OEL whichever is lower
TEST GASES
Carbon Tetrachloride (CCl₄), Chlorine (Cl₂), Sulphur Dioxide (So₂), Ammonia (NH₃)



Item # 110545601
VENUS V-900-T + V-7900 OV P100 COMBO
TC-84A-9743
HFM+RF Gas & Particulate Filters



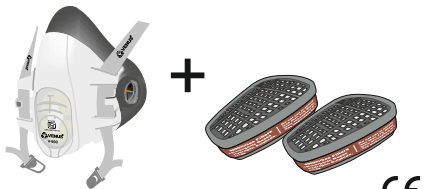
HAZARD TYPE
OV
MUL : 1000 ppm or 30 X OEL whichever is lower
TEST GASES
Carbon Tetrachloride (CCl₄)



Item # 110549001 - S
Item # 110549101 - M
Item # 110549201 - L
VENUS V-900 T + V-7900 OV COMBO Set
TC-23C-4186
HFM+RF Gas & Particulate Filters



HAZARD TYPE
OV
MUL : 1000 ppm or 30 X OEL whichever is lower
TEST GASES
Carbon Tetrachloride (CCl₄)



Item # 110530201
VENUS V-900 + V-7900 A1 P2 COMBO
HFM+RF Gas & Particulate Filters

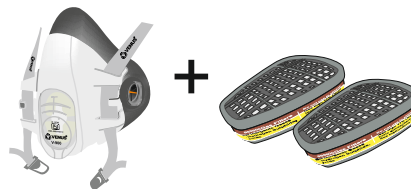


BROWN

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)



Item # 140529501 - Blister



Item # 110533901
VENUS V-900 + V-7900 A1 E1 P2 COMBO
HFM+RF Gas & Particulate Filters

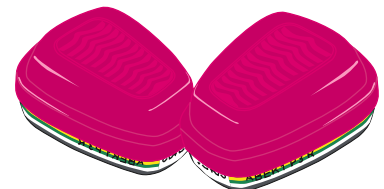


BROWN YELLOW

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)



Item # 110534001 - Plastic Box

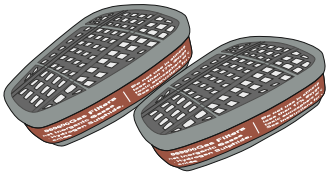


Item # 110733001
VENUS V-7900 ABEK1 P3
Combined Filters



MULTICOLOUR

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)

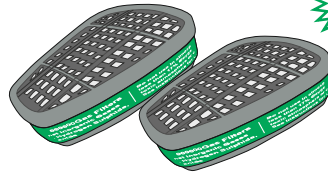


Item # 110728101
VENUS V-7900 A1
 RF-Gas Filters



BROWN

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)

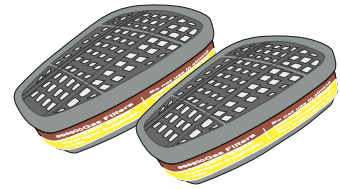


Item # 110746701
VENUS V-7900 A1 E1
 RF-Gas Filters



GREEN

HAZARD TYPE
 Ammonia
MUL : 1000 ppm or 20 X OEL
 whichever is lower
TEST GASES
 Ammonia (NH₃), and derivatives

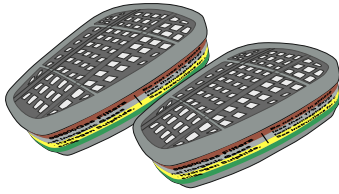


Item # 110732401
VENUS V-7900 A1 E1
 RF-Gas Filters



BROWN
 YELLOW

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



MULTICOLOUR

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



WHITE

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



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



WHITE

HAZARD TYPE
 Particulate Filter
 (For CE) (For ISI)
MUL : 30 X OEL | **MUL** : 50 X OEL
TEST GASES
 Non highly volatile Liquid / Solid particles



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



WHITE

HAZARD TYPE
 Particle filter with Nuisance odour level gas filter
MUL : 50 X OEL
TEST GASES
 Non highly volatile Liquid / Solid particles



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



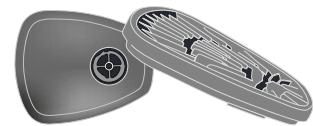
WHITE

HAZARD TYPE
 Particle Filter
 (For CE) (For ISI)
MUL : 10 X OEL | **MUL** : 12 X OEL
TEST GASES
 Non highly volatile Liquid / Solid particles



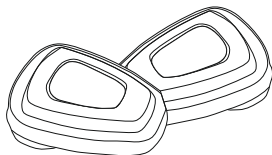
Item # 110732601
VENUS V-7900 AFPC/AFHP
 Adaptor for Hepa Filters

GREY



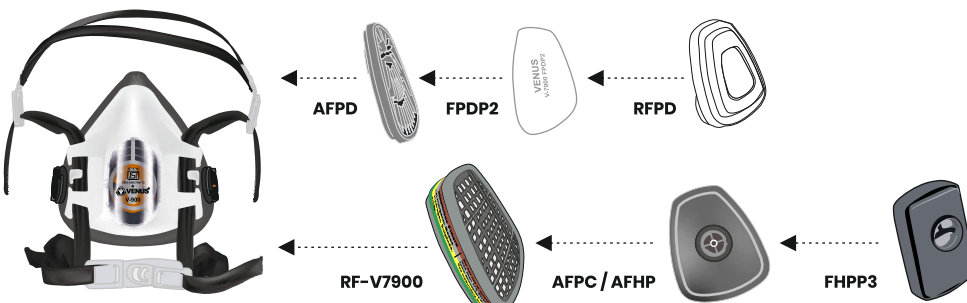
Item # 110733601
VENUS V-7900 AFPD (For P2)
 Adaptor for Pad Filters

GREY



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

WHITE



V-200+ & V-7200 Reusable Half Face Mask - Bayonet Connection

Product available with below approval

IS 14746

 CM/L-003748172
 Half Face Mask

IS 15322

 CM/L-7800022514
 Particle Filter

IS 15323

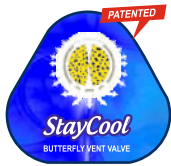
 CM/L-0007905889
 Gas & Combined Filter



APPLICATION EXAMPLES

- **Battery** : Lead handling, acid handling
- **Chemical** : Laboratory, Coating, Bonding, Handling
- **Cold storage** : Warehouses
- **Engineering** : Welding, Powder coating, Painting
- **Foundries** : Foundry areas
- **Mining** : Drilling
- **Automobile** : Painting, Powder coating
- **Petrochemicals** : Solvent handling, Maintenance department
- **Agrochemical** : Pesticides spraying
- **Paints** : Paint spray, Mixing, Resins
- **Pharmaceuticals** : Bulk drugs, Material handling
- **Ships** : Tank cleaning
- **Sewage** : Drains

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

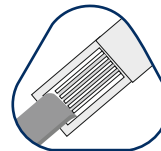
- No need to remove other PPE when lowering or removing half face mask
- Easy to put on & remove while in use



Head cradle

- Lock down mechanism provides optimum fit & good comfort

Item #	Colour	Size
160547401	GREY	MEDIUM - Silicon
160547501	BLUE	MEDIUM - Silicon
160547601	D.BLUE	MEDIUM - Silicon



4 points adjustable harness

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



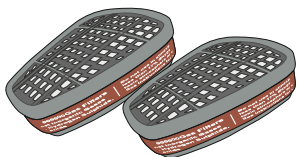
Bayonet Fitting

- 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

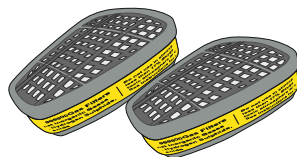


HAZARD TYPE
 Organic Vapour (OV)

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

(For ISI)
 Carbon Tetrachloride (CCl₄)



Item # 110746601
VENUS V-7200 E1
 RF-Gas Filters

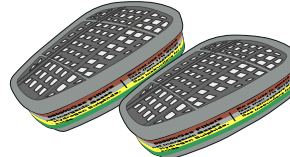


HAZARD TYPE
 AG

MUL : 1000 ppm or 20 X OEL whichever is lower

TEST GASES

Sulphur Dioxide (SO₂)



Item # 110746101
VENUS V-7200 ABEK1
 RF-Gas Filters

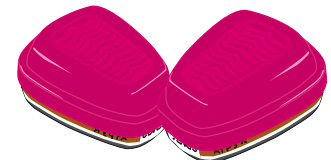


HAZARD TYPE
 OV/IO/AG/AM

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)



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)

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

APPLICATION EXAMPLES

- **Battery** : Lead handling, acid handling
- **Chemical** : Laboratory, Coating, Bonding, Handling
- **Cold storage** : Warehouses
- **Engineering** : Welding, Powder coating, Painting
- **Foundries** : Foundry areas
- **Mining** : Drilling
- **Automobile** : Painting, Powder coating
- **Petrochemicals** : Solvent handling, Maintenance department
- **Agrochemical** : Pesticides spraying
- **Paints** : Paint spray, Mixing, Resins
- **Pharmaceuticals** : Bulk drugs, Material handling
- **Ships** : Tank cleaning
- **Sewage** : Drains



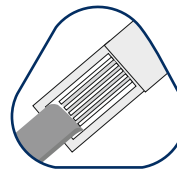
Size options



FEATURES AND BENEFITS



- Light weight body**
- Made from soft thermoplastic elastomer, skin friendly
 - Low maintenance
 - Minimum hindrance in working



- 4 points adjustable harness**
- 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 combination with the V-800 Half Face Mask & V-600 Full Face Mask



V-7800

Dual Filters For HFM & FFM (Threaded Connection)

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



Threaded cartridge

▲ Easy to fit and replace



VENUS V-800 HFM - TPE

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

CE

MULTICOLOUR

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)



Item # 110532302
**VENUS V-800+V-7800 A1
+ P2 COMBO**
HFM+RF Gas & Particle Filters

IS

BROWN

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 (C₆H₁₂)



Item # 110532301
VENUS V-800+V-7800 A1 + P2
- **Blister** HFM+RF Gas & Particle Filters

CE

BROWN

HAZARD TYPE

Combined Filter OV + P2 Particle Filter

MUL : 1000 ppm or 10 X OEL whichever is lower

TEST GASES

Cyclohexane (C₆H₁₂)



Item # 140530001
VENUS V-800+V-7800 ABEK1 + P2
- **Blister** HFM+RF Gas & Particle Filters

CE

MULTICOLOUR

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)



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 (Cl₂), Hydrogen Sulphide (H₂S)
 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 (SO₂)



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 (NH₃)



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 (C₆H₁₂)



BROWN



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 (CCl₄)
 Sulphur Dioxide (SO₂)



BROWN
YELLOW



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)



MULTICOLOUR



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



BROWN
WHITE



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)



MULTICOLOUR



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)



MULTICOLOUR



Item # 110733401
VENUS V-7800 A2 P3
 RF-Gas Filters + Particle Filters



BROWN
 WHITE

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



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



WHITE

HAZARD TYPE
 Particle Filter
MUL : 30 X OEL
TEST GASES
 Non highly volatile Liquid / Solid particles



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



WHITE

HAZARD TYPE
 Particle Filter
MUL : 30 X OEL
TEST GASES
 Non highly volatile Liquid / Solid particles



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



WHITE

HAZARD TYPE
 Particle filter with Nuisance VOC / Odour
MUL : 30 X OEL
TEST GASES
 Non highly volatile Liquid / Solid particles



Item # 110729801 | Item # 110356501
VENUS V-7800 P1S | RETAINER CAP
 RF-Particulate filter



WHITE

GREY

HAZARD TYPE
 Particle Filter
MUL : 4 X OEL
TEST GASES
 Solid Particles

V-500 Reusable Half Face Mask

Product available with below approval



APPLICATION EXAMPLES

- **Battery** : Lead handling, acid handling
- **Chemical** : Laboratory, Coating, Bonding, Handling
- **Cold storage** : Warehouses
- **Engineering** : Welding, Powder coating, Painting
- **Foundries** : Foundry areas
- **Mining** : Drilling
- **Automobile** : Painting, Powder coating
- **Petrochemicals** : Solvent handling, Maintenance department
- **Agrochemical** : Pesticides spraying
- **Paints** : Paint spray, Mixing, Resins
- **Pharmaceuticals** : Bulk drugs, Material handling
- **Ships** : Tank cleaning
- **Sewage** : Drains



Size options



FEATURES AND BENEFITS



- Light weight body**
- Made from soft thermoplastic elastomer, skin friendly
 - Low maintenance
 - Minimum hindrance in working



Sweat Port



Neck Strap



TPE Material



Adjustable Strap



- Exhalation vent valve**
- Allows efficient escape of CO₂ and exhaled air for wearer comfort

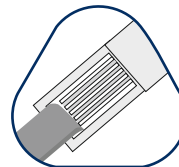


4 point Strap tightening with head cradle

- Front pull strap tightening gives the required ergonomic fit



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



Adjustable elastic band

- 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



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 # 110548001

VENUS V-500+V-7500 ABEKI

COMBO 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)

V-7500

Single Filters For HFM (Threaded Connection)

Product available with below approval

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 filers

BROWN

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)



Item # 110730301

VENUS V-7500 A1 E1 P1 S

RF-Gas filter & Particle filers

BROWN YELLOW

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)



Item # 110730701

VENUS V-7500 B1

RF-Gas filter

GREY

HAZARD TYPE

Inorganic Gases (IO)

MUL: 1000 ppm or 20 X OEL whichever is lower

TEST GASES

Chlorine (Cl₂)
Hydrogen Sulphide (H₂S)



Item # 110730401

VENUS V-7500 K1

RF-Gas filter

GREEN

HAZARD TYPE

Ammonia (AM) & Derivatives

MUL: 1000 ppm or 20 X OEL whichever is lower

TEST GASES

Ammonia (NH₃)



Item # 110730601

VENUS V-7500 ABEK1

RF-Gas filter

MULTICOLOUR

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 # 110353701 | Item # 110353801

VENUS V-7500 P1 S | RETAINER CAP

RF-Particulate filter

WHITE

HAZARD TYPE

Particle Filter

MUL: 4 X OEL

TEST GASES

Solid Particles

GREY

V-400 Reusable Half Face Mask with Particulate & OV Filter (Press Fit Connection)

Product available with below approval



APPLICATION EXAMPLES

- **Battery** : Lead handling, acid handling
- **Chemical** : Laboratory, Coating, Bonding, Handling
- **Cold storage** : Warehouses
- **Engineering** : Welding, Powder coating, Painting
- **Foundries** : Foundry areas
- **Mining** : Drilling
- **Automobile** : Painting, Powder coating
- **Petrochemicals** : Solvent handling, Maintenance department
- **Agrochemical** : Pesticides spraying
- **Paints** : Paint spray, Mixing, Resins
- **Pharmaceuticals** : Bulk drugs, Material handling
- **Ships** : Tank cleaning
- **Sewage** : Drains



Size **M**

FEATURES AND BENEFITS



Light weight body

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



Neck Strap



Adjustable Strap



Exhalation vent valve

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



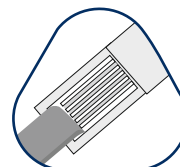
4 point Strap tightening with head cradle

- Front pull strap tightening gives the required ergonomic fit



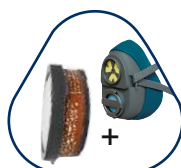
Latex-free elastic

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



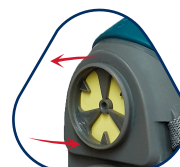
Adjustable elastic band

- 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

V-7400 Reusable Half Face Mask with Particulate & OV Filter (Press Fit Connection)

Product available with below approval

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



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) BROWN
MUL: 1000 ppm or 20 X OEL whichever is lower



Item # 110731101
VENUS V-7400 P1
 RF-Pre Filter
 Solid particles WHITE
MUL: 4 X OEL



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



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 # 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 # 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

V-999 Reusable Full Face Mask - Silicone / TPE

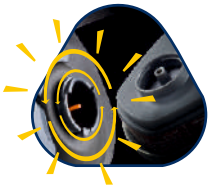
Product available with below approval



APPLICATION EXAMPLES

- **Battery** : Lead handling, acid handling
- **Chemical** : Laboratory, Coating, Bonding, Handling
- **Cold storage** : Warehouses
- **Engineering** : Welding, Powder coating, Painting
- **Foundries** : Foundry areas
- **Mining** : Drilling
- **Automobile** : Painting, Powder coating
- **Petrochemicals** : Solvent handling, Maintenance department
- **Agrochemical** : Pesticides spraying
- **Paints** : Paint spray, Mixing, Resins
- **Pharmaceuticals** : Bulk drugs, Material handling
- **Ships** : Tank cleaning
- **Sewage** : Drains

FEATURES AND BENEFITS



Twist N Click

- Fits with V-7900 dual filters
- Ergonomic design



Zero power toric visor for wide vision

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



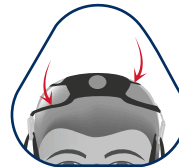
Silicone Exhalation vent valve

- Efficient Ventilation system with easy maintenance



Light weight body

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



4 Strap head harness

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



Adjustable penta belt

- Distributes weight evenly
- Provides head support and good 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 - Quadrelt



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 - AF

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



V-997 Reusable Full Face Mask - Silicone / TPE

Product available with below approval

IS 14166



CM/L-0003715864

Full Face Mask



APPLICATION EXAMPLES

- **Battery** : Lead handling, acid handling
- **Chemical** : Laboratory, Coating, Bonding, Handling
- **Cold storage** : Warehouses
- **Engineering** : Welding, Powder coating, Painting
- **Foundries** : Foundry areas
- **Mining** : Drilling
- **Automobile** : Painting, Powder coating
- **Petrochemicals** : Solvent handling, Maintenance department
- **Agrochemical** : Pesticides spraying
- **Paints** : Paint spray, Mixing, Resins
- **Pharmaceuticals** : Bulk drugs, Material handling
- **Ships** : Tank cleaning
- **Sewage** : Drains

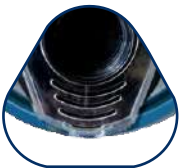
FEATURES AND BENEFITS



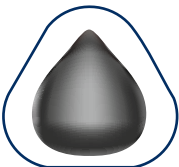
- Standard Thread - RD40**
- Rd40 Thread for connection to any standard thread, gas filter as per
 - IS 14138 (Part1):1994



- Zero power toric visor for wide vision**
- PC lens impact resistant for face protection
 - High clarity, durability and double anti-fog



- Silicone Exhalation vent valve**
- Efficient Ventilation system with easy maintenance



- Inner face piece of silicone**
- Prevents fogging on visor
 - Skin friendly



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



- Light weight body**
- Made from soft thermoplastic elastomer, skin friendly
 - Low maintenance
 - Minimum hindrance in working



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



- Adjustable penta belt**
- Distributes weight evenly
 - Provides head support and good fit



- 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

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



V-600 Reusable Full Face Mask - TPE / Bromobutyl / Silicone

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



- Zero power toric visor for wide vision**
- PC lens impact resistant for face protection
 - High clarity, durability and double anti-fog



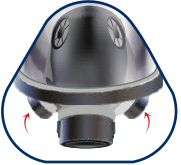
- Silicone exhalation valve**
- Efficient ventilation system with easy maintenance
- Inner face piece of silicone**
- Prevents fogging on visor
 - Skin friendly



- Adjustable penta belt**
- Distributes weight evenly
 - Provides head support and good fit



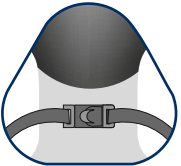
- Speech enhancer holder**
- For easy and audible communication



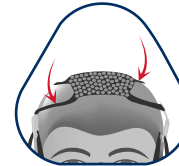
- Option to use twin filters**
- Special Venus threads for superior ergonomic fit



- Compatible with Venus**
- RF - V-7700 / RF - V-7800 Filters for Class 2 & Class 1



- 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**



VENUS V-667 **Full Face Mask**
Compatible with Venus V-7700 single gas filter or Breathing tube for SA / PAPR

VENUS V-667 **Full Face Mask**
Compatible with Venus V-7700 single Gas filter or Breathing tube for SA / PAPR

VENUS V-668 **Full Face Mask**
Compatible with Venus V-7800 dual Gas filter

VENUS V-660 Class 3 **Full Face Mask**
Compatible with SCBA Backplate

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

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

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

Item #	Colour	Size
110546201	Black	EPDM with Hexabelt

Spare Parts

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

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



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



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



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



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



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), Hydrogen cyanide (HCN)



Item # 110732101
VENUS V-7700 A2 P3
Gas filter



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
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
HAZARD TYPE
Particle Filter P3
MUL : 1000 X OEL
TEST GASES
Non highly volatile Solid & Liquid particles



Item # 110747901
VENUS V-7700 AX P3



Gas filter
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

RESPIRATORY PROTECTION

PRODUCT STYLES



Self Contained Breathing Apparatus (SCBA)



Class-1 VENUS-108

Analogue Gauge, Steel / CC Cylinder



Class-2 VENUS-230

Analogue / Digital Gauge, Steel / CC Cylinder



Class-2 VENUS-240

Analogue / Digital Gauge, Steel / CC Cylinder



Class-2 VENUS-250

Digital Gauge, Steel / CC Cylinder



Class-2 VENUS-260

Analogue / Digital Gauge, Steel / CC Cylinder

Supplied Air Breathing Apparatus - Trolley Mounted (SABA)



Venus SABA Unit - SS / MS Trolley

SCBA - Self Contained Breathing Apparatus

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

IS 10245 (Part 2)



CM/L-0002809666

Class1 : Venus SCBA 108

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.



Venus SCBA 108-6AC Item # 110355901

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

Venus SCBA 108-6AC Item # 110350701

Incl. Back plate V08 design, V-666 FFM, 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 108-9AC Item # 110350801

Class 1, Incl. Back plate V08 design, V-999 FFM, Analogue Gauge, CC Cylinder with Rotrex Gauge

Venus SCBA 108-6AS Item # 110356001

Class 1, Incl. Back plate V08 design, V-666 FFM, 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.



Venus SCBA 108 Dual Cylinder

Venus SCBA 108-6A2P Item # 170386101

Class 1, Incl. Back plate V08 design, V-666 FFM, Analogue Gauge, Dual PET Cylinder without Gauge

Spares for SCBA



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



SCBA Backplate with V-997
Item # 170352901



SCBA - Self Contained Breathing Apparatus

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

IS 10245 (Part 2)



CM/L-0002809666

Class2 : Venus SCBA 230-7ACX / 6AS

Venus SCBA 230-7ACX

- Full face mask V-770
- 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 230-6AS

- Full face mask V-660
- 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

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

Item # 110378101

Class 2 - Venus SCBA 230-7AC

Incl. Flexible Back plate V30 design, V-770 FFM, Analogue Gauge, CC Cylinder

Item # 110383301

Class 2 - Venus SCBA 230-7DCX

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



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-770
Item # 170362201



SCBA carrying case - ABS
Item # 170362301



SCBA Wall Mount Case
Item # 170371801



SCBA Demand Valve
Item # 170366201



SCBA 230 - 7A Backplate with V-770
Item # 170374201



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

APPLICATION EXAMPLES

- Fire Services
- Respondent / Rescue / Escape
- Highly hazardous industry



Class2 : Venus SCBA 240 / 250 / 260-7DCX / DPX

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

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 # 110385601

Venus SCBA 240-7DCX

Class 2, Incl. Back plate V40 design, with buddy breather V-770 FFM, Digital Gauge, CCOE cylinder with Carrying case



Item # 110385701

Venus SCBA 250-7DCX

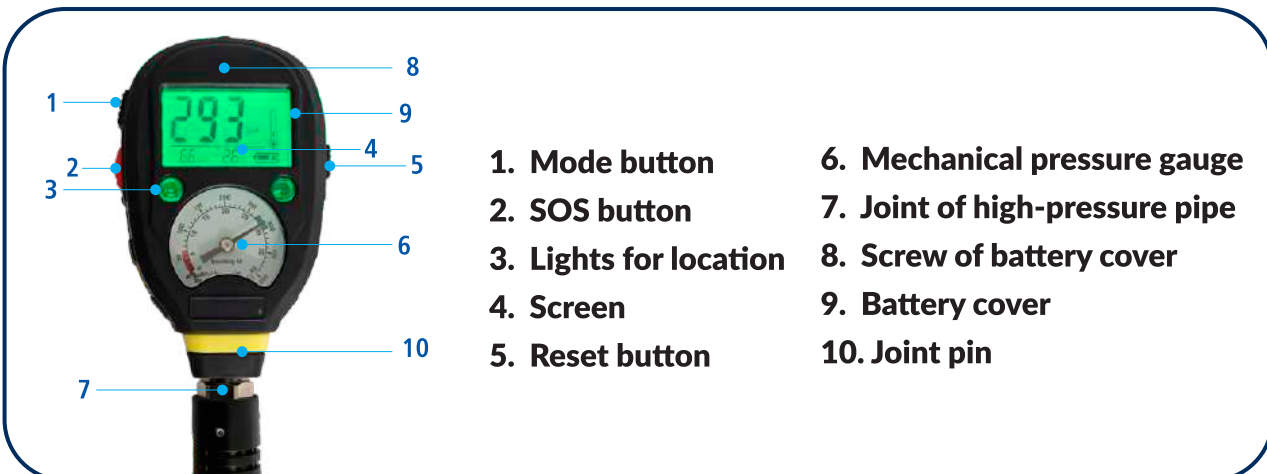
Class 2, Incl. Adjustable Back plate V50 design, with HUD function V-770 FFM, Digital Gauge, CC cylinder with Carrying case



Item # 110384201

Venus SCBA 260-7DPX

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



1. Mode button
2. SOS button
3. Lights for location
4. Screen
5. Reset button

6. Mechanical pressure gauge
7. Joint of high-pressure pipe
8. Screw of battery cover
9. Battery cover
10. Joint pin

SABA - Supplied Air Breathing Apparatus - Trolley Mounted

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



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)



APPLICATION EXAMPLES

- **Engineering** : Welding, Powder coating, Painting
 - **Mining** : Drilling
 - **Petrochemicals** : Unventilated areas
 - **Paints** : Paint spray, Mixing, Resins
 - **Pharmaceuticals** : Bulk drugs, Material handling
 - **Ships** : Tank cleaning
 - **Waste treatment** : Sewage Handling, Cleaning drains
- 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 For MS & SS

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

Venus BA Unit - SS 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 - SABA - Trolley Mounted

APPLICATION EXAMPLES

- Supplied airline to Escape device
- SABA trolley to Escape device -Compressor to Escape device

Emergency Switch Over device

Emergency switchover device is a positive pressure supplied-air respirator that also provides emergency respiratory protection and escape capability allowing the user to enter hazardous atmospheres including those identified as Immediately Dangerous to Life or Health (IDLH). If needed, the switch to the emergency air supply cylinder is accomplished by an automatic changeover valve requiring no user intervention if the airline supply fails and the user needs to exit using the escape cylinder.

Item # 170376001
(Emergency Switch Over Device)



Emergency Breathing Escape device

1. Cylinder: a 3L carbon fibre composite cylinder
2. With fire-proof harness and waist belt
4. With cylinder cover bag
5. With gauge valve
6. With alarm whistle



Item # 170380001
(Emergency Breathing Escape Device)

RESPIRATORY PROTECTION PRODUCT STYLES



Supplied Air (SA)



Supplied Air Respirator Unit (SA) - Stand Mount



Supplied Air Respirator Unit (SA) - Wall Mount



Breather Box 2 Outlet / 4 Outlet

Powered Air Purifying Respirator (PAPR)



VENUS PAPR A6



CHEMICAL PAPR 2F



Hoods for SA & PAPR

Emergency Life Saving Apparatus (ELSA) Escape Set



Elsa Escape Set



Escape Hood with Attached Filter

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


WALL MOUNT UNIT
For two users




SA-FRC 100
Cartridge Life Indicator Unit
Item # 110356901




SA-FRCH-100
Humidifier
Item # 110371901



SA-FRCH 100
Cartridge Life Indicator Unit
Item # 110350101




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



3 Stage filters



Filter life indicator



Attachment to Hood & Full face mask



Headpiece

Safety Helmet CA4 for Indl-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

<p>Universal Hood CA2P - Painting Construction of material- Tyvek, CHC Visor Item # 110356401 Protection film for CA2 Hood (optional) Item # 110353401</p>	
<p>Universal Hood CA2 Construction of material - Tyvek Item # 110353501 Protection film for CA2 Hood (optional) Item # 110353401</p>	
<p>CA2 Hood - Tychem - White Item # 110352701</p>	
<p>Universal Hood CA2R - Reusable Construction of material- PVC EN 12941:1998 EN 14594:2005 Item # 110353001</p>	
<p>Full Face Mask FFM- V-770 / V-997 Item # 110354101</p>	
<p>Full Face Mask FFM- V-667 Item # 110531801</p>	

Complete Airline Set Consist : FRC-100
Item # 110355501

<p>Low Pressure Conditioner</p>	+
<p>PVC Hose - 10 mts.</p>	+
<p>Flow Control Valve</p>	+
<p>CA40F & CA40M</p>	+
<p>Universal Hood CA2</p>	

Combo with Hood SA-FRCH-100
Item # 110349601

<p>Low Pressure Conditioner with Humidifier</p>	+
<p>PVC Hose - 10 mts.</p>	+
<p>Flow Control Valve</p>	+
<p>CA40F & CA40M</p>	+
<p>Universal Hood CA2</p>	

APPLICATION EXAMPLES

- **Engineering:** Welding, Sand Blasting, Powder coating, Buffing, Painting, Cutting
- **Mining:** Drilling
- **Petrochemicals:** Unventilated areas
- **Smelting & foundry:** Heat exposure & fine airborne particles
- **Pesticides:** Blending, Handling, Rod mill, Powder packing

- **Paints:** Paint spray, Mixing
- **Pharmaceuticals:** Bulk drugs, Material handling
- **Ships:** Tank cleaning
- **Waste treatment:** Sewage handling, Cleaning drains

BREATHER BOX

- 2 Outlet / 4 Outlet

APPLICATION EXAMPLES

- These instruments find application where Breathing air Quality is to be monitored.

FEATURES AND BENEFITS

- One alarm audible & visual user satiable with set point view. Alarm relay with NO, C, NC for on-line models.
- Power 220 VAC OR Rechargeable battery option available (To be specified in order)
- Can be fixed to main apparatus with appropriate fasteners concealed behind face of instrument



Technical Specification

	Item # 110383701	Item # 110381401
	2 Outlets	4 Outlets
Size	24" L X 17" H X 8.5" D	24" L X 17" H X 8.5" D
Weight	25.4 lbs./12 kg	26.4 lbs/ 12 kg
Inlet Size	1/2" industrial interchange	1/2" industrial interchange
No. of Outlets	2	4
Max. Air Flow (cfm/bar)	30scfm @110psi 1415 lpm @ 7.6 bar	50scfm @110psi 1415 lpm @ 7.6 bar
Remote Alarm Signal	Yes	Yes
Max. Inlet Pressure	(8 bar)	(8 bar)
Relief Valve	125 psi (8.6 bar)	125 psi (8.6 bar)
Monitoring	Inline Continuous Monitoring of Carbon Monoxide (CO)	Inline Continuous Monitoring of Carbon Monoxide (CO)
Power	230 VAC 50/60 Hz	230 VAC 50/60 Hz

Portable Airline CO Monitor



Item # 110386001

CO Monitor Specification

- Display : 3 1/2 LCD digital 12mm High
- Gas Measured : Carbon-monoxide
- Range : 0 - 200 PPM
- Resolution : 0.1 ppm
- Working temp : 0 - 50°C
- Accuracy : ± 2% at constant temperature & pressure
- Alarm : Visual & audible, satiable thro' range. Low battery alarm also
- Size & Wt : 200 X 120 X 80 mm & 1.5 Kg
- Sensor : Electrochemical
- Life expectancy : 3 Years for Toxic gases
- I/L & O/L Fitting : Suitable for 6mm (OD) PU/Nylon Tubing
- Power Supply : Rechargeable Batteries / External supply
- Flow indicator : Provided on front face



VENUS PAPR A6

Powered Air Purifying Respirator, An easily replaceable filter.



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

APPLICATION EXAMPLES

- **Industrial** : Grinding, Surface finishing operations etc.
- **Dusty industrial environments** : Material handling
- **Automotive and shipbuilding industry** : Painting & welding
- **Cement** : Bagging
- **Food industry** : Processing

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 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



Item # 110382801

Venus A6 Unit

·Set includes Battery, Charger, Spark guard screen, Filter cover, Pre-filter,Basic Filter, Breathing Hose, Flow indicator.

PAPR Model	A6
Certification	CE EN 12941
Filter Class	TH3 P R SL
Filter Type	Particle Filter
Filter Efficiency	>99.99%
Air Flow Rate	170L/Min, 200L/Min, 230L/Min
Control Module	Automatic Detection & Control System Provides Constantly Stable Clean Air
Switch	3 Levels of Airflow Control On/off Switch Button Control
Warning Alarms	Auto, Visual And Vibrating
Noise Level	Max. 73db
Operating Time	170L/Min: >10 Hours 230L/Min: >6 Hours
Li-Ion Battery	14.8V/2.6Ah/38.48Wh
Charging Cycles	>500
Charging Time	2 Hours
Dimensions	224*191*82mm(L*H*W)
Weight	1000g(Incl. Filter and battery)
Operating Temp.	-5°C-55°C



Item # 110384601

Venus A6 Unit with Long Hood with headgear

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



Item # 110384701

Venus A6 Unit with CA2 Hood

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

Spare parts, accessories	Item #
Comfort belt & shoulder strap	Item # 170384401
Spark Guard	Item # 170384101

Spare parts, accessories	Item #
X9 Hood - Welding	Item # 170377101
F59 Hood - Grinding	Item # 170377201
Pre filters	Item # 170384001
Hepa filters	Item # 170383001
Flow Indicator	Item # 170383901
Battery standard	Item # 170382901

CleanAIR - Advanced 2F PAPR

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

CE 1024
EN 12941

APPLICATION EXAMPLES

- **Industrial** : Grinding, Surface finishing operations etc.
- **Dusty industrial environments** : Material handling
- **Automotive and shipbuilding industry** : Painting & welding
- **Cement** : Bagging
- **Food industry** : Processing

FEATURES AND BENEFITS

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



Item # 110356301

Chemical 2F Unit

·Set includes Battery, Charger, Decontaminated belt, Flow indicator.

Technical specification	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

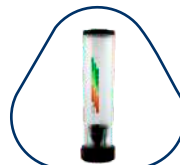
Spare parts, accessories

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

Filters

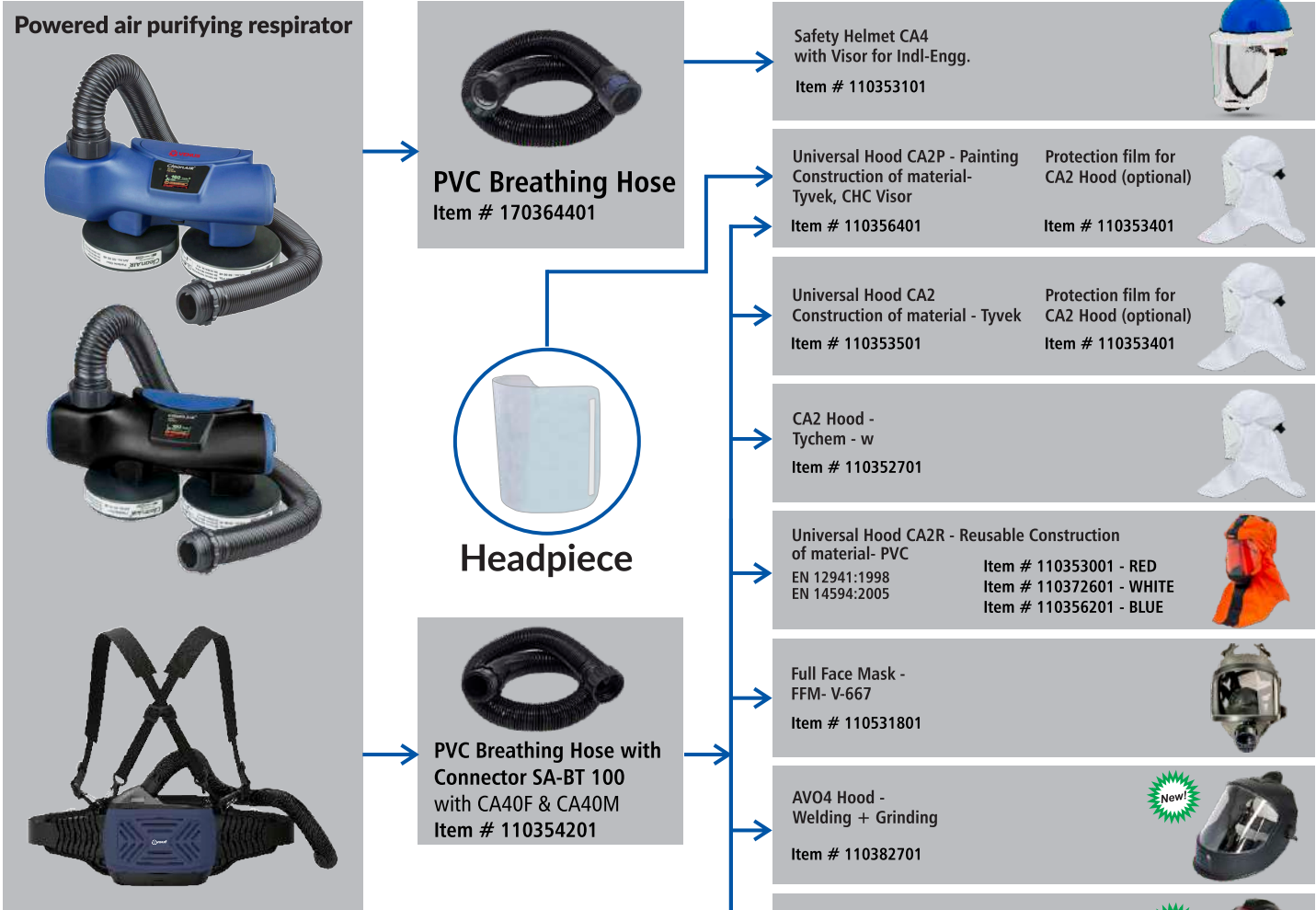
• Particle filter P3	170363301
• Combined filter A2P3	170363401
• Combined filter A2B2E2K2P3	170363501

Spares for PAPR



Flow Indicator
Item # 170362901

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**

Safety Helmet CA4 with Visor for Indl-Engg. Item # 110353101	
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 - w Item # 110352701	
Universal Hood CA2R - Reusable Construction of material- PVC EN 12941:1998 EN 14594:2005	Item # 110353001 - RED Item # 110372601 - WHITE Item # 110356201 - BLUE
Full Face Mask - FFM- V-667 Item # 110531801	
AVO4 Hood - Welding + Grinding Item # 110382701	
Defender - Grinding Item # 110380301	
G20 Hood - Grinding + Hard Hat Item # 110379901	
G10 Hood - Grinding Item # 110352501	
FS9 Hood - Welding + Grinding Item # 170377201	
X9 Hood - Welding Item # 170377101	
GS20 Face Shield - Painting Item # 110385001	

ELSA ESCAPE SET

Emergency Life Saving Apparatus



APPLICATION EXAMPLES

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

Technical Specification

- Cylinder volume : 3L, 2L
- Inflation pressure : 210 bar +/-10 bar
- Duration : =/>15min / 10min
- 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



Whistle

- Integrated whistle warning for depleted air



Inner mask

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



Cylinder

- Light weight PET, Aluminum & Carbon Composite cylinder for easy to carrying



Quick Release Pin



<p>Hood With demand valve</p>	<p>PET cylinder light weight Cylinder pressure: 3.0 Ltr, 200 bar Work life: 15 minutes</p>
<p>Carbon composite cylinder light weight Cylinder pressure: 3.0 Ltr, 200 bar Work life: 15 minutes</p>	<p>Aluminium cylinder Cylinder pressure: 3.0 Ltr, 200 bar Work life: 15 minutes</p>

Item # 110385101 *PESO approved
VENUS ELSA 210-HAAX
Hood-Half Face Mask, Air pipe with valve, Aluminum Cylinder 2L & carry bag



Item # 110377301 *PESO approved
VENUS ELSA 315-HAAX
Hood-Half Face Mask, Air pipe with valve, Aluminum Cylinder 3L & carry bag

Item # 110385201
VENUS ELSA 210-HACX
Hood-Half Face Mask, Air pipe with valve, CC Cylinder 2L & carry bag



Item # 110377401
VENUS ELSA 315-HACX
Hood-Half Face Mask, Air pipe with valve, CC Cylinder 3L & carry bag

Item # 110385301 *PESO approved
VENUS ELSA 210-HAPX
Hood-Half Face Mask, Air pipe with valve, PET Cylinder 2L & carry bag



Item # 110377501 *PESO approved
VENUS ELSA 315-HAPX
Hood-Half Face Mask, Air pipe with valve, PET Cylinder 3L & carry bag

ESCAPE HOOD

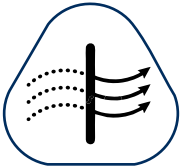
Emergency Escape Hood For SMOKE



APPLICATION EXAMPLES

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

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



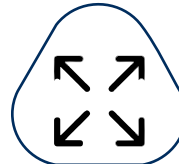
Effortless wearing

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



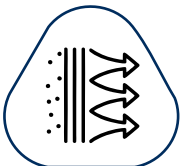
Better orientation

- 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



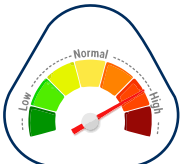
State-of-art filtration unit

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



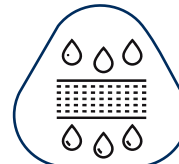
Packaging weight and shelf life

- 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, Propenol)



ESCAPE HOOD
with V-7700 ABEK2 P3 attached Filter
Item # 110355301



ESCAPE HOOD
with V-7700 CO Filter
Item # 110350401



BIOCHEMICAL ESCAPE HOOD
Item # 110375201

HEARING PROTECTION PRODUCT STYLES



Ear Muffs



VENUS N-510



VENUS N-530



VENUS N-550



VENUS N-516
For Helmet Attachment



VENUS N-560
Wireless Communication Earmuff

Reusable Earplugs & Earband



VENUS N-401



VENUS N-302



VENUS N-303

Disposable Earplugs & Dispenser



VENUS N-101



VENUS N-1120
Uncorded Earplugs with Dispenser

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?

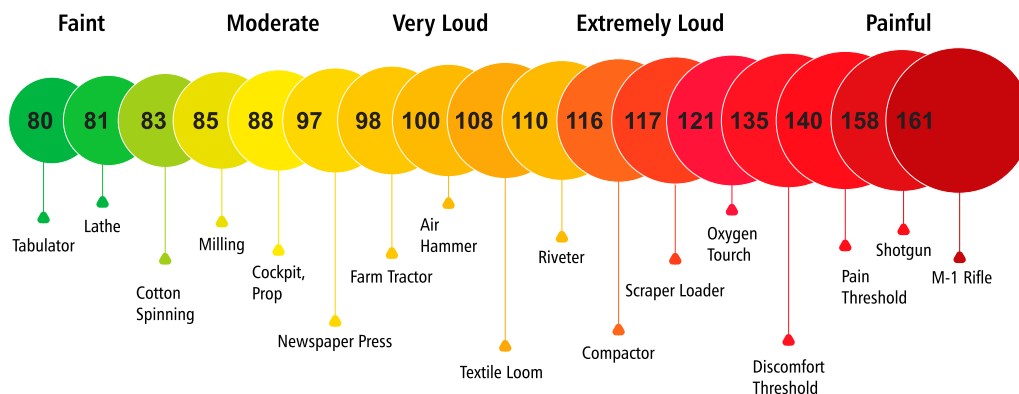
A : Anyone regularly exposed to hazardous noise should have an annual hearing test. Also, anyone who notices a change in his/her hearing (ringing or buzzing in the ears) should have his or her ears checked. People who have healthy ears and who are not exposed to hazardous noise should get a hearing test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

$$\text{Estimated Exposure (dBA)} = \text{TWA (dBC)} - \text{NRR}$$

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:

$$\text{Estimated Exposure (dBA)} = \text{TWA (dBC)} - (\text{NRRh} + 5)$$

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.

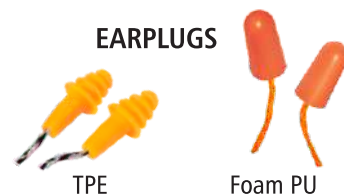
Acoustic Measuring System



EARMUFFS



EARPLUGS



Reference Standard : IS : 9167-1979



Attached to a helmet

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



APPLICATION EXAMPLES

- **Airport** : Aircraft marshaling
- **Cement** : Crushing, Bagging
- **Ceramics** : Material mixing
- **Chemical** : Blending operation, Utility process
- **Construction** : Sanding, Drilling, Cutting, Demolition work
- **Engineering** : Sand Blasting, Buffing
- **Mining** : Drilling, Material handling
- **Pharmaceuticals** : Material Charging
- **Pneumatics appl.** : Compressor
- **Textiles** : Spinning, Weaving, Blow-room

FEATURES AND BENEFITS



One size fits all

- No need to stock different sizes
- Lowers inventory



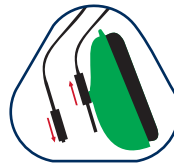
Light weight

- Easy to use for longer duration without hindrance



Better sound protection

- Provides adequate protection from noisy environments



Wide ear cushions with height adjustment

- To achieve superior fit



Cushioned headband

- Comfort during long working hours

New!
Wireless Communication Earmuff



VENUS N-560

Electronic Earmuff
 NRR 29 dB ANSI S3.19
 SNR 32 dB
 Item # Colour
 110619701 BLACK



VENUS N-516

Earmuff (For Helmet)
 NRR 23 dB
 SNR 26 dB
 Item # Colour
 110620601 BLACK



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

REUSABLE - Earplugs & Earband

Quality mark for assurance of product performance



Washable

- Easy to wash & Re-use without compromising on hygiene



APPLICATION EXAMPLES

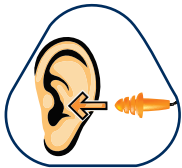
- **Agriculture** : Tractor, Harvesting machinery
- **Airport** : Aircraft marshaling
- **Cement** : Crushing, Bagging
- **Ceramics** : Material mixing
- **Construction** : Sanding, Drilling, Cutting
- **Engineering** : Sand Blasting, Buffing
- **Food & Beverages** : Material Processing & handling
- **Mining** : Drilling, Material handling
- **Pharmaceuticals** : Material Charging
- **Police** : City traffic
- **Textiles** : Spinning, Weaving

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



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-401 Earband (For Rifle Shooting)

NRR 27 dB
 Item # Colour Packing
 110614001 RED Bag of 1



VENUS N-302

Earplug

SNR 31 dB

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



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-303 Blister

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

DISPOSABLE - Earplugs & Dispenser

Product available with below approval.

Quality mark for assurance of product performance



APPLICATION EXAMPLES

- **Agriculture** : Tractor, Harvesting machinery
- **Airport** : Aircraft marshaling
- **Cement** : Crushing, Bagging
- **Ceramics** : Material mixing
- **Construction** : Sanding, Drilling, Cutting
- **Engineering** : Sand Blasting, Buffing
- **Food & Beverages** : Material Processing & handling
- **Mining** : Drilling, Material handling
- **Pharmaceuticals** : Material Charging
- **Police** : City traffic
- **Textiles** : Spinning, Weaving

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
180620701	ORANGE	Orange textile corded	Bag, pack of 150



VENUS N-101 Blister

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

EYE PROTECTION PRODUCT STYLES

Welding Spectacles & Goggles



VENUS E-767/753



VENUS E-750/751



VENUS G20XL/WSO1



Safety Goggles



VENUS E-507



VENUS E-503/501



Protective Spectacles



VENUS E-305/306



VENUS E-308 / E-201



VENUS E-102/101



VENUS E-311/307



Over Spectacles



VENUS E-607/603



FAQs on Eye Protection

Definitions, Hazards & Selection

Need:

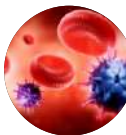
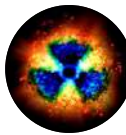
The risk of workplace eye injuries is reduced if proper preventive measures are followed.

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

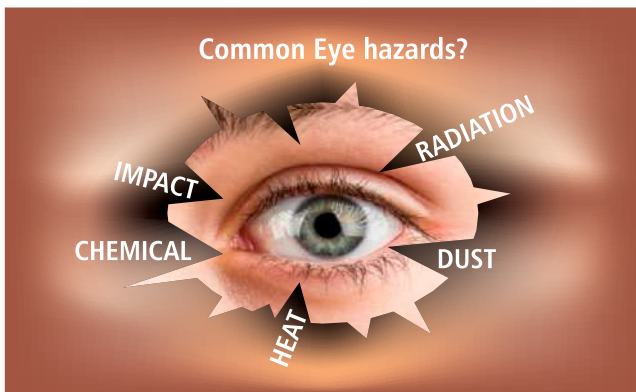
- Scratch or cut
- Puncture
- Embedded object
- Chemical burn
- Welding flash (vision loss caused by bright light)

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.

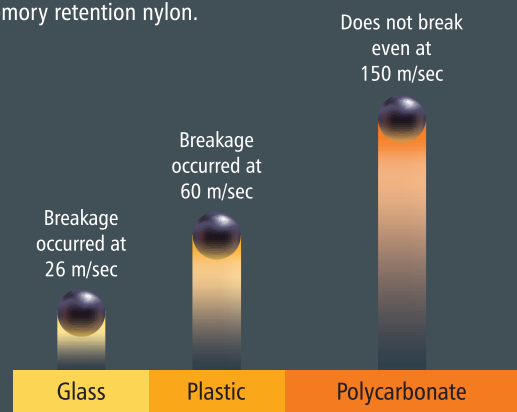


Bridge

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.

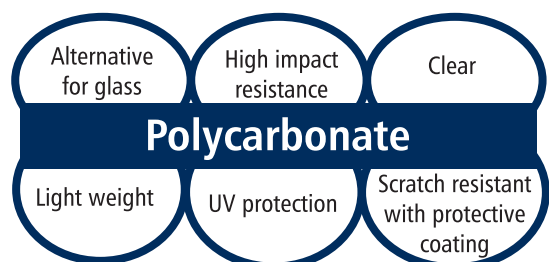
Frame

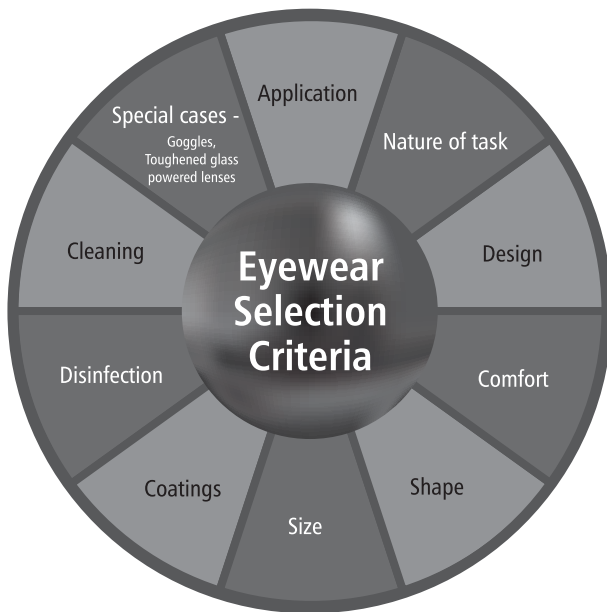
It is the part that holds the lens. Frame can be made of plastic or memory retention nylon.



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?

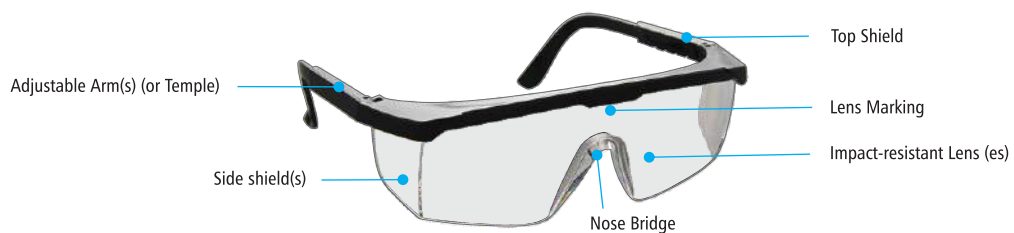
A: Both types of safety lenses meet or exceed the requirements for protecting your eyes.

Glass lenses

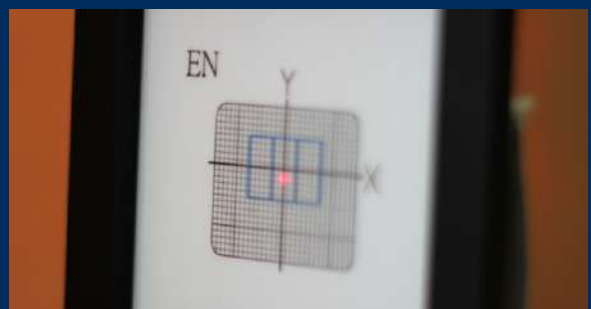
- Can not be easily scratched
- Can be used around harsh chemicals
- Can be made in your corrective prescription
- Are sometimes heavy and uncomfortable
- Are likely to fog

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

Product available with below approval.

Welding / IR protection

ANSI Z87.1 : 2003

FEATURES AND BENEFITS

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

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-750

VENUS E-751

Spectacle

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



VENUS E-751



APPLICATION EXAMPLES

- **Welding** : Gas welding, Oxygen welding
- **Cobalt blue** : Furnace Observation, Smelting Purpose, Heat treatment process observation

AUTO-DARKENING - Goggle

Product available with below approval.

Welding / IR protection

ANSI Z87.1 : 2003

FEATURES AND BENEFITS

VENUS G20XL

Auto-Darkening Goggle



View Area	124*41mm	
Grind Mode	Internal Control	-
	External Easy Control	•
Function Operating Display	LCD	
Optical Class	V2	
Independent Arc Sensors	4	
Switching Time (+55°C)	0.05ms	
Permanent UV/IR Protection	•	
True View + Technology	•	
Light State	170W3/4-8/9-13	
Main Windows Shade State	•	
Lock Shade	>2A	
TIG Rating	External Control	
Delay Time Variable	0.05-2.0s (External Control)	
TRS Function	•	
Tack Welding Function	•	
Memory Function	•	
Self-Check Function	•	
Replaceable Battery	•	
Low Bat. Indicator	•	
Operation Temp. (-10°C+55°C)	•	



Product	Item #	Colour	Packing	Shade
VENUS G20XL	110120701	DARK BLUE	Pack of 5	W3 / 4-8 / 9-13

VENUS WS01

Auto-Darkening Goggle



View Area	124*41mm	
Grind Mode	-	
Optical Class	V2	
Function Operating Display	ANALOG	
Independent Arc Sensors	2	
Switching Time (+55°C)	0.2ms	
Permanent UV/IR Protection	•	
True View + Technology	•	
Light State	W3	
Main Windows Shade State	W3/11	
TIG Rating	Optimized	
Shade Variable	Fixed	
Sensitivity Variable	Fixed	
Delay Time Variable	0.3s, Fixed	
Replaceable Battery	1*CR1025	
Low Bat. Indicator	-	
Operation Temp. (-10°C+55°C)	•	



Product	Item #	Colour	Packing	Shade
VENUS WS01	110120801	DARK BLUE	Pack of 5	W3/11

APPLICATION EXAMPLES

- **Welding** : Gas welding, Oxygen welding
- **Cobalt blue** : Furnace Observation, Smelting Purpose, Heat treatment process observation

SAFETY GOGGLES

Product available with below approval.

Dust & Liquid splash protection

ANSI Z87.1 : 2003



FEATURES AND BENEFITS

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

IS 8521-1



CM/L-0002915463

FEATURES AND BENEFITS

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)
- 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)

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



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

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

- **Construction and Manufacturing** : Flying debris, dust, and sparks
- **Laboratories and Healthcare** : Provide a barrier against chemical splashes, fumes, and infectious agents.
- **Maintenance and Engineering** : Grinding, metal processing, and general repair work.
- **DIY and Gardening** : Woodworking, and gardening
- **Visitor Eyewear** : Visitors in factories, laboratories, or construction sites.
- **Outdoor Activities** : Used for eye protection against dust and sunlight.

PROTECTIVE SPECTACLES

Product available with below approval.

Stylish Protective - One size fits all

Complies with
ANSI / ISEA Z87.1:2020



CE 2777
EN 166



High Impact Resistant

APPLICATION EXAMPLES

- **Industrial and Manufacturing** : Machining and Fabrication, Cutting and Welding, Assembly Line Work.
- **Laboratory and Chemical Handling** : Chemical Blending and Dispensing, Biological Research, Laser Laboratory
- **Construction and Maintenance** : Demolition and Masonry, Drilling and Fastening
- **Healthcare** : Dental Procedures, Infection Control
- **Outdoor and Household Tasks** : Pesticide Application, Landscaping, Home Improvement
- **Specialized Fields** : Sports, Security/Public Duty

FEATURES AND BENEFITS

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. (E-305&E-306)

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	RED
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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-305

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
110133701	GREY	GHC - AF	BLACK

Packing: Pack of 20

140114401	Clear	CHC - AF	RED
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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



VENUS E-306



Blister Packing

PROTECTIVE SPECTACLES

Product available with below approval.

Stylish Protective - One size fits all

Complies with
ANSI / ISEA Z87.1:2020



FEATURES AND BENEFITS

VENUS E-308

Style

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

Temple

- PC temple with soft TPE tips prevents slippage

Lens

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

Nose bridge

- Soft nose pad



VENUS E-308-CHC- AF

Item #	Lens Colour	Type	Temple Colour
110134501	Clear	CHC - AF	RED
110134601	Clear	CHC - AF	YELLOW
110134701	Clear	CHC - AF	GREEN
110134801	Clear	CHC - AF	BLACK
110134901	Clear	CHC - AF	BLUE
110135001	Clear	CHC - AF	VIOLET-BLUE

VENUS E-308-CHC

Item #	Lens Colour	Type	Temple Colour
110135101	Clear	CHC	RED
110135201	Clear	CHC	YELLOW
110135301	Clear	CHC	GREEN
110135401	Clear	CHC	BLACK
110135501	Clear	CHC	BLUE
110135601	Clear	CHC	VIOLET-BLUE

110135701	Clear	GHC - AF	YELLOW
110135801	Clear	AHC - AF	BLACK

110135901	Clear	GHC	YELLOW
110136001	Clear	AHC	BLACK



VENUS E-201

Protective Spectacle

Style

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

Temple

- Light weight & Soft temple tip

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.



Item #	Colour	Type	Temple Colour
110136101	CLEAR	CHC	CLEAR
110136201	CLEAR	CHC-AF	CLEAR
110136301	GREY	GHC	BLACK
110136401	AMBER	AHC-AF	YELLOW
110136501	GREY	GHC	BLACK
110136601	AMBER	AHC-AF	YELLOW



PROTECTIVE SPECTACLES

Product available with below approval.

Complies with
ANSI / ISEA Z87.1:2020



CE 2777
EN 166

FEATURES AND BENEFITS

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.
- Light weight & Soft temple tip (E-201)

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.

Item #	Colour	Type	Temple Colour
110128601	CLEAR	CHC	BLUE
110128801	CLEAR	CHC - AF	GREEN
110129101	GREY	GHC	GREY
110119601	AMBER	AHC	YELLOW
110119801	CLEAR	2.0 BI-FOCAL	CLEAR
110119901	CLEAR	2.5 BI-FOCAL	CLEAR

Packing: Pack of 20

Item #	Colour	Type	Temple Colour	CE
110120501	CLEAR	CHC	BLUE	CE
Packing: Pack of 20				
110120301	CLEAR	CHC	BLUE	
Retail Packing: Pack of 30				
110120601	CLEAR	CHC	BLUE	ANSI
Packing: Pack of 20				
140114201	CLEAR	CHC	BLUE	
Packing: Blister of 1				



VENUS E-102S - Size: Small

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

Packing: Pack of 20



Accessory:



Blister Packing

VENUS E-101 Sliding temple & VENUS E-101

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

PROTECTIVE SPECTACLES

Product available with below approval.

Complies with
ANSI / ISEA Z87.1:2020



APPLICATION EXAMPLES

- **Industrial and Manufacturing** : Machining and Fabrication, Cutting and Welding, Assembly Line Work.
- **Laboratory and Chemical Handling** : Chemical Blending and Dispensing, Biological Research, Laser Laboratory
- **Construction and Maintenance** : Demolition and Masonry, Drilling and Fastening
- **Healthcare** : Dental Procedures, Infection Control
- **Outdoor and Household Tasks** : Pesticide Application, Landscaping, Home Improvement
- **Specialized Fields** : Sports, Security/Public Duty

FEATURES AND BENEFITS

VENUS E-311

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



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



VENUS E-307

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



Product	Item #	Colour	Packing	Type
VENUS E-307	110117901	CLEAR	Pack of 15	CHC

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

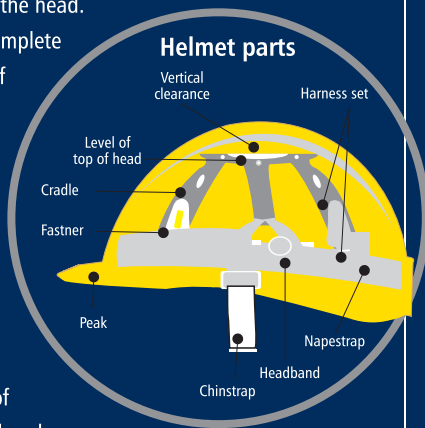
Head Protection Need:

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.

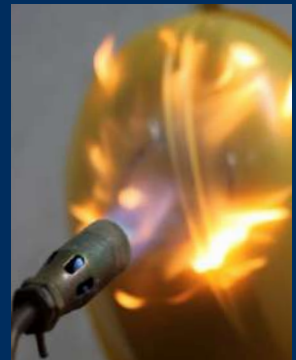
All safety helmets are marked with month and year of manufacturing. It is recommended that a helmet should not be in use after 5 years from the manufacturing date.

Standard Helmet Test Requirements

• Penetration Resistance



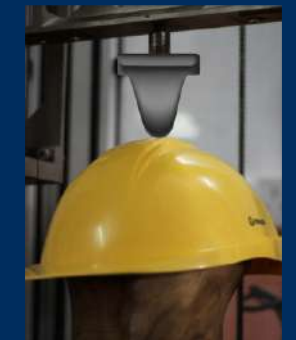
• Flammability Resistance



• Electrical Resistance



• Shock Absorption Resistance



Helmet Accessories

APPLICATION EXAMPLES

- Automobiles : Assembly line
- Battery : Lead handling
- Ceramics : Material mixing
- Chemical : Material handling, material processing
- Construction : Sanding, Drilling, Cutting Demolition work
- Metal fabrication : Heavy engineering
- Engineering : Sand blasting, Powder coating, Buffing, Cutting
- Mining : Drilling, Material handling



Earplug container only
Item # 170887801



Pencil holder
Item # 170877501



Head-lamp set
Item # 170879901



Mobile Holder set
Item # 170887901



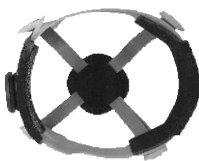
Helmet Browpad
Item # 170864401



Helmet chin strap without chin cup
Item # 170864601



Helmet chin strap with chin Cup
Item # 170864501



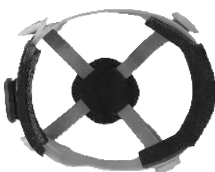
Helmet 4 Point Suspension Assembly
Item # 170864701



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



Helmet Mounted Earmuff
Item # 110620601



Helmet 4 Point Plastic Ratchet Suspension Assembly For H-1500
Item # 170813401



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



Helmet Pinlock Fitting
Item # 170882401 - H-4000
Item # 170813501 - H-1500

INDUSTRIAL - Safety Helmets

Protection against electrical hazards, Class E Hard hats rated for 20000 Volts
Product available with below approval.



FEATURES AND BENEFITS

VENUS H-8000 Series

Ventilated & Non-Ventilated No Peak

- 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

FEATURES AND BENEFITS

VENUS H-7000 Series

Ventilated & Non-Ventilated Full Peak

- 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
Product available with below approval.



FEATURES AND BENEFITS

VENUS H-5000 Series

Ventilated & Non-Ventilated - Half Peak

- 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 H-5010 Textile Ratchet	Non-Ventilated 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

FEATURES AND BENEFITS

VENUS H-6000 Series

Ventilated & Non-Ventilated - Full Peak

- 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 H-6010 Textile Ratchet	Non-Ventilated 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
Product available with below approval.



HIGH HEAT APPLICATION

FEATURES AND BENEFITS

VENUS H-3000 Series (Dome) Non-Ventilated

- 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

HELMET Shell Color	VENUS H-3000 Series Shell (ITEM CODE)	
	Ventilated	Non-Ventilated
	V-3010 Textile Ratchet	
White	110891101	
Yellow	110891001	
Blue	110890901	
Green	110890801	
Orange	110890701	
Red	110890601	

Part No	Suspension	Adjustment
VENUS-H-3000	4-point, textile	"Fit-Lock" Ratchet

FEATURES AND BENEFITS

VENUS H-2000 Series Ventilated & Non-Ventilated - Half Peak

- 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



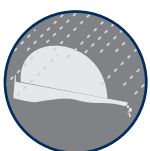
HELMET Shell Color	VENUS H-2000 Series Shell (ITEM CODE)	
	Ventilated	Non-Ventilated
	V-2010 Textile Ratchet	V-2010 Textile Ratchet
White	110892301	110891701
Yellow	110892201	110891601
Blue	110892101	110891501
Green	110892001	110891401
Orange	110891901	110891301
Red	110891801	110891201
N. Blue	110865001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

Part No	Suspension	Adjustment
VENUS-H2000	4-point, textile	"Fit-Lock" Ratchet

Optimum peak

Wear & Adjust

Fit-Lock Ratchet



INDUSTRIAL - Safety Helmets

Product available with below approval.



APPLICATION EXAMPLES

- **Automobiles** : Assembly line
- **Battery** : Lead handling
- **Ceramics** : Material mixing
- **Chemical** : Material handling, material processing
- **Construction** : Sanding, Drilling, Cutting Demolition work
- **Metal fabrication** : Heavy engineering
- **Engineering** : Sand blasting, Powder coating, Buffing, Cutting
- **Mining** : Drilling, Material handling

FEATURES AND BENEFITS

VENUS H-4000 Series

Ventilated / Non-Ventilated

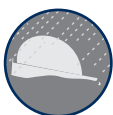
- Sleek, attractive & lightweight design
- Shell has rain trough for extra convenience
- Inbuilt air option which facilitates enhanced air flow and better comfort
- Large printing surfaces for great custom logo's on front, sides & back
- Comfortable pin lock or ratchet adjustment suspensions
- Accessory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

HELMET Shell Color	VENUS H-4000 Series 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



INDUSTRIAL - Safety Helmets

Protection against electrical hazards, Class E Hard hats rated for 20000 Volts
Product available with below approval.



APPLICATION EXAMPLES

- **Automobiles** : Assembly line
- **Battery** : Lead handling
- **Ceramics** : Material mixing
- **Chemical** : Material handling, material processing
- **Construction** : Sanding, Drilling, Cutting Demolition work
- **Metal fabrication** : Heavy engineering
- **Engineering** : Sand blasting, Powder coating, Buffing, Cutting
- **Mining** : Drilling, Material handling

FEATURES AND BENEFITS

VENUS H-1500 Series

Non-Ventilated

- 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
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VENUS-H-1500	4-point, textile	"Fit-Lock" Ratchet & Pinlock
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HELMET Shell Color	VENUS H-1500 Series Shell (ITEM CODE)	
	Non-Ventilated	Non-Ventilated
	H-1520 Plastic Ratchet	H-1521 Plastic Pinlock
White	110811001	110811101
Yellow	170807001	110807101
Blue	110808801	110809301
Green	110808901	110809401
Orange	110809001	110809501
Red	110809101	110809601

INDUSTRIAL - Safety Helmets

Multipurpose Face Shields & Visors To be used with & without Protective Caps

APPLICATION EXAMPLES

- **Welding** : Grinding, Chipping Application
- **Chemical** : Material handling
- **Construction** : Sanding, Drilling, Cutting Demolition work
- **Engineering** : Sand blasting, Powder coating, Buffing, Cutting
- **Mining** : Drilling, Material handling

FEATURES AND BENEFITS

High Performance Faceshield Brackets

- 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



FEATURES AND BENEFITS

High Performance Faceshield Visors Windows

- 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 #	COLOR
VENUS-F-VI400	110887401	Clear



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

SORBENT 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

FEATURES AND BENEFITS

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 1 roll, 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	H 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 Eco KIT 50

Absorption Capacity - 20 L

Item #	Quantity
110872701	
Contents	Quantity
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	Quantity
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.



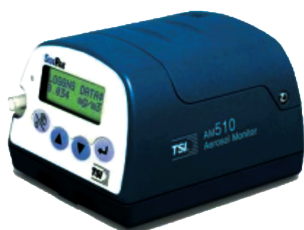
V-SORB KIT 120

Absorption Capacity - 75 L

Item #	Quantity
110885301	
Contents	Quantity
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 ABEK1P3R	
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.



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 sizer 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

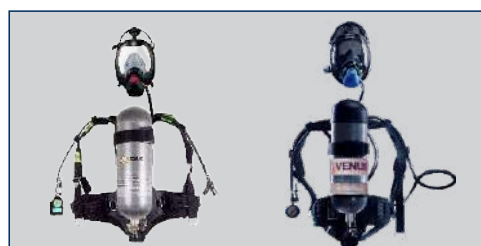
Irritant smoke is the only OSHA-accepted qualitative fit testing method that does not rely on the test subject's subjective response. Other types of qualitative fit tests, such as banana oil (Isoamyl acetate), saccharin, or Bitrex, may cause false negative results. Use for testing respirators with P100 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



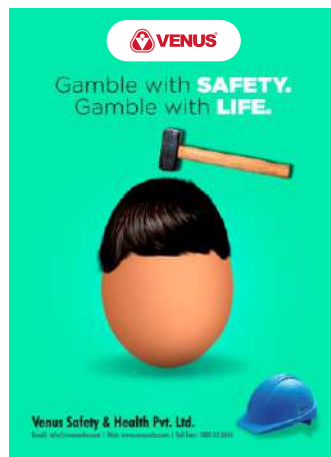
Respiratory Protection Awareness
Item #170000600



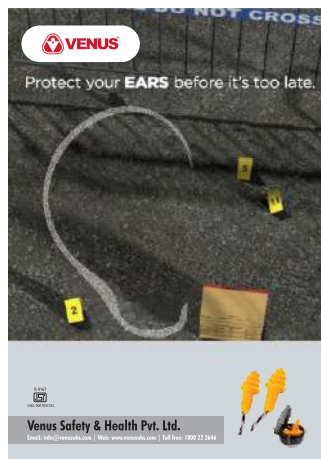
Eye Protection Awareness
Item #170000700



Eye Protection Awareness
Item #170000800



Head Protection Awareness
Item #170000900



Hearing Protection Awareness
Item #170000400



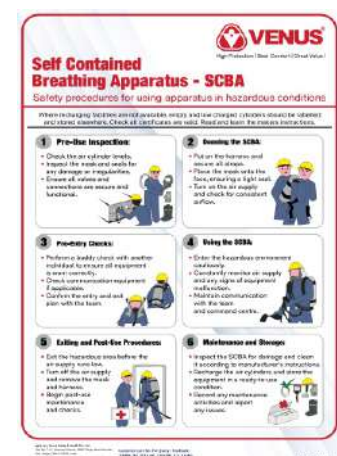
POP. Retail Poster
Item #170002801 - Welding Respirators
Item #170002501 - Earmuff
Item #170002601 - Spectacles
Item #170002701 - Painting Respirators
Item #170002401 - Helmets



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 14746:1999	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 Earmuff Hearing protectors- Safety requirements and testing Earplug

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



High Protection | Best Comfort | Great Value |

MFG. BY:

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