

Technical Datasheet

SCBA Self-Contained Breathing Apparatus

Class 2 - Venus SCBA 260-7DPX

Emergency rescue/response device

IS 10245 (Part 2)



CM/L-0002809666

ISI Approved

Item # 110355701

Class 2 - SCBA 260-7DPX

Incl. Adjustable Back plate V60 design, FFM, Digital Gauge, PET Cylinder with Carrying case



FEATURES AND BENEFITS

Class 2 - SCBA 260-7DPX

- **Model:** Venus SCBA 260-7DPX
- **Type:** Class 2
- **Mask:** Full-face with wide vision
 - Silicone for durability
 - Kevlar textile head net harness
 - Polycarbonate Hard coat visor with anti-fog capability
 - High impact, heat & flame resistant
 - Meets Class 2 requirements of multi-flame burner & radiant test
- **Backplate:** Height adjustable, robust & easy-to-use
- **Cylinder:** PET lightweight composite
- **Capacity:** 6.8L, 300 bar
- **Weight:** 4.5 kg (filled)
- **Lifespan:** 10 years (Unlimited life for non-refillable PET)
- **Storage:** ABS carrying case

Features

- 1. Digital Display Pressure Gauge → Real-Time Monitoring & Safety Alerts:** Displays pressure, remaining air time, low battery warning, and man-down alarm.
- 2. Lightweight PET Cylinder → Reduced Fatigue & Improved Mobility:** Kevlar-reinforced, epoxy-coated, thermally insulated 6.8L, 300 bar PET cylinder.
- 3. Adjustable Backplate & Harness → Custom Fit & Better Weight Distribution:** Height-adjustable, polyamide material with high-strength fiber harness.
- 4. 360° Rotating Breathing Apparatus Connection → Flexibility & Uninterrupted Airflow:** Swivel connection for breathing apparatus, push-button air release.
- 5. Man-Down Alarm → Automatic Distress Signal for Quick Rescue:** Activates after 15 sec of no movement.
- 6. Kevlar-Reinforced PET Liner → High Durability & Thermal Protection:** Kevlar-reinforced PET cylinder with epoxy resin coating.
- 7. Y-Hose Quick Release Coupling (QRC) → Emergency Air Support for Two Users:** Allows auxiliary air connection for a second user.

Benefits:

- 1. Digital Display Pressure Gauge → Real-Time Monitoring & Safety Alerts:** Ensures air supply awareness, prevents failures, and enhances rescue response with automatic distress alerts.
- 2. Lightweight PET Cylinder → Reduced Fatigue & Improved Mobility:** Reduces strain, improves maneuverability, and maintains safe temperature in high-heat environments.
- 3. Adjustable Backplate & Harness → Custom Fit & Better Weight Distribution:** Fits different users, enhances comfort, and provides impact, flame, and chemical resistance.
- 4. 360° Rotating Breathing Apparatus Connection → Flexibility & Uninterrupted Airflow:** Improves mobility, prevents airflow obstruction, and allows quick air adjustments.
- 5. Man-Down Alarm → Automatic Distress Signal for Quick Rescue:** Alerts teammates for rapid intervention, increasing survival chances.
- 6. Kevlar-Reinforced PET Liner → High Durability & Thermal Protection:** Withstands extreme heat, ensures long lifespan, and maintains consistent air supply.
- 7. Y-Hose Quick Release Coupling (QRC) → Emergency Air Support for Two Users:** Enables life-saving air sharing during rescue operations.

Cautions & Limitations

- Ensure the **battery is functional** for digital monitoring
- **Do not exceed pressure limits** of the cylinder (300 bar)
- Regularly **inspect the Kevlar harness & PET liner** for wear and tear
- Man-down alarm must be **activated & checked** for proper functioning

SCBA Quick Guide

1. **Preparation:** Inspect SCBA for damage, ensure the cylinder is fully charged, and confirm all components function properly.
2. **Donning:** Wear the harness, tighten straps, secure the waist belt, and connect the cylinder valve to the regulator.
3. **Fitting:** Position the face piece snugly on your face, tighten head straps evenly, and check for leaks.
4. **Activation:** Open the cylinder valve, check the pressure gauge, and ensure no air leaks.
5. **Usage:** Inhale to start airflow, monitor the pressure gauge, and adjust airflow as needed.
6. **Low-Air Warning:** Exit promptly when the low-pressure whistle sounds.
7. **Exit:** Leave the hazardous area before air is depleted or upon task completion.
8. **Doffing:** Close the valve, remove the face piece, loosen straps, and remove the harness.
9. **Maintenance:** Inspect, clean, dry, and store SCBA properly; recharge the cylinder for future use.

Applications of SCBA Class 2

1. **Fire-fighting:** For use in non-immediately dangerous environments where air quality is compromised.
2. **Industrial Work:** Operations in factories, chemical plants, or confined spaces with potential airborne hazards.
3. **Emergency Response:** For rescue missions or spill containment in moderate-risk scenarios.
4. **Maintenance:** During cleaning, inspection, or repair of equipment in potentially hazardous air conditions.
5. **Mining:** For use in underground operations with limited ventilation and possible contaminants.