

## Technical Datasheet

# SCBA Self-Contained Breathing Apparatus

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

Emergency rescue/response device

IS 10245 ( Part 2 )



CM/L-0002809666

ISI Approved

Item # 110352801

#### Class 2 - SCBA 215-7ACX

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

Item # 110355801

#### Class 2 - SCBA 215-6AS

Incl. High Mobility Back plate  
V15 design, V-666, Analogue  
Gauge, Steel Cylinder



## SCBA - Accessories



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



CCOE Cylinder with Mono Valve  
Item # 110350601



ABS carrying case  
Item # 170362301



Backplate with Digital Gauge  
Item # 170355001



Backplate with V-666  
Item # 170366101



Backplate with V-777  
Item # 170362201



Backplate with V-997  
Item # 170352901



V-667 FFM  
Item # 170365901



Demand Valve  
Item # 170366201

## FEATURES AND BENEFITS

### ***Class 2 - SCBA 215-7ACX***

- Lightweight composite cylinder or PET liner (6.8L, 300 bar, 45-min work life).
- Full-face mask (V777) with anti-fog capability.
- Weight: ~10.5 kg (without cylinder).
- Pressure reducer (PESO approved).
- ABS carrying case included.

### ***Class 2 - SCBA 215-6AS***

- Steel cylinder (6.8L, 300 bar, 45-min work life).
- Full-face mask (V666) with anti-fog coating.
- Weight: ~17.5 kg (without cylinder).
- Heat-resistant harness.

### ***General Features***

1. PESO-Approved Cylinder
2. Passes Flame Engulfment Test (Propane-950°C for 10 seconds) and Radiant Heat Test (8KW/m<sup>2</sup> for 5 minutes)
3. Heat-Resistant Materials and Coatings (Withstands Temperatures Up to 900°C)
4. Heat-Resistant, Anti-Slip Harness
5. Reflective Safety Arm
6. Waterproof and Explosion-Proof Analogue Gauge
7. Y-Hose with Quick-Release Coupling
8. Lightweight Backplate with Class 2 Harness
9. Kevlar-Blend Flame-Resistant Webbing with Cylinder Band
10. Special Design for Rescue, Firefighting, and Hazardous Environments

### ***Benefits:***

1. The cylinder ensures compliance with stringent safety and quality standards, providing users with confidence in high-risk situations.
2. The tests guarantee reliability and protection in extreme fire conditions, making it ideal for firefighting and rescue missions.
3. Heat resistant material provides robust performance and safety in environments with intense heat and fire exposure.
4. Anti-Slip Harness offers durability and comfort during extended use, reducing strain and ensuring a secure fit in high-temperature environments.
5. Reflective Safety Arm enhances visibility in low-light or smoke-filled areas, ensuring safety and ease of identification in critical situations.
6. Waterproof and Explosion-Proof Analogue Gauge reliable in harsh environments, ensuring accurate pressure readings even under water exposure or extreme conditions.
7. Y-Hose with Quick-Release Coupling enables auxiliary air supply for a second user, making it versatile and effective in life-saving operations.
8. Lightweight Backplate with Class 2 Harness provides an ergonomic fit, reducing user fatigue during long missions while ensuring optimal comfort and support.
9. Kevlar-Blend Flame-Resistant enhances durability and safety, ensuring the equipment remains secure and functional under extreme heat and stress.
10. Special Design tailored for high-risk operations, offering maximum reliability, safety, and ease of use for professionals.

## ***Cautions & Limitations***

- **Fit:** Ensure proper fit to prevent leaks.
- **Training:** Users must be trained.
- **Inspection:** Regularly check for damage and pressure.
- **Temperature:** Avoid extreme temperatures.
- **Storage:** Keep in a cool, dry place.
- **Handling:** Avoid dropping or impacting the cylinder.

## ***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.

Class 2 SCBA provides reliable protection while being suitable for tasks not requiring heavy-duty or extended-duration equipment.