



## Technical Datasheet

# Supplied Air Breathing Apparatus - Trolley Mounted (SABA)

Emergency rescue/response device



### Venus BA Unit - MS Trolley

**Item # 110357001**

(Venus SABA CCOC-2 Trolley with 2 Cylinders)

**Item # 010348401**

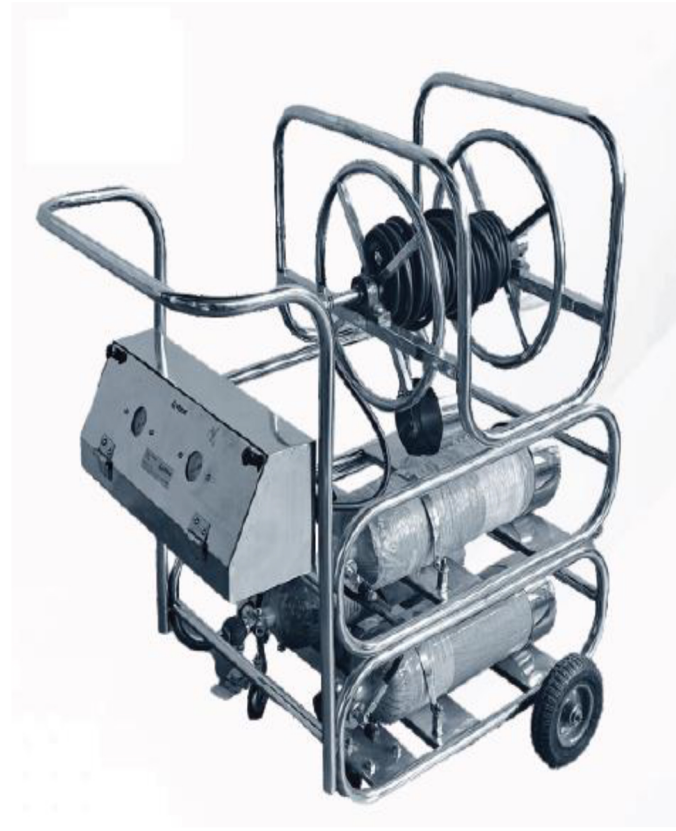
(Venus SABA SS-2 with 2 Cylinders)

**Item # 010349101**

(Venus SABA CC-4 with 4 Cylinders)

**Item # 110349401**

(Venus SABA SS-4 with 4 Steel Cylinders)



### Venus BA Unit - SS Trolley

**Item # 110349701**

(Venus SABA CC-2 Trolley with 2 Cylinders)

**Item # 110349801**

(Venus SABA CC-4 with 4 Cylinders)

**Item # 110349901**

(Venus SABA SS-2 with 2 Cylinders)

**Item # 110350001**

(Venus SABA SS-4 with 4 Steel Cylinders)

### ***Detailed Accessories for Venus Trolley Mounted SABA:***

1. **Reel Hose:** Made of mild steel for efficient air delivery.
2. **Full Face Mask:** Made from Bromobutyl material.
3. **High-Pressure Gauge:** Stainless steel with polycarbonate lenses.
4. **Storage Box:** Constructed from mild steel for additional safety and convenience.
5. **Manifold:** Stainless steel for reliable connections.
6. **Whistle Alarm:** To indicate low pressure or critical situations.



## FEATURES AND BENEFITS

### *Features of the Venus Trolley Mounted SABA:*

1. **Compact Design:** The lightweight trolley-mounted BA unit is easy to maneuver in restricted areas.
2. **Versatile and Robust:** Built with a durable mild steel frame that withstands rigorous use.
3. **Multi-Cylinder Compatibility:** Designed to carry and connect up to four cylinders.
4. **High-Performance Output:** Delivers up to 1000 liters of breathable air per minute for dual-user operation.
5. **Adjustable Cylinder Bands:** Supports a variety of cylinder sizes for both 200 and 300 bar pressure.
6. **Non-Return Valves:** Fitted to cylinder connectors to ensure safe and continuous operation.

### *Benefits Venus Trolley Mounted SABA:*

1. **Compact Design:** Enhances mobility, allowing users to transport the unit effortlessly, even in confined spaces.
2. **Versatile and Robust:** Ensures long-term durability, making it suitable for demanding industrial environments.
3. **Multi-Cylinder Compatibility:** Customizable for different cylinder configurations, catering to various operational needs.
4. **High-Performance Output:** Provides an efficient air supply, enabling two users to work simultaneously without interruptions.
5. **Adjustable Cylinder Bands:** Increases flexibility, allowing users to adapt the unit for various industries and cylinder specifications.
6. **Non-Return Valves:** Enhances safety by preventing backflow and ensuring a reliable air supply at all times.

### *Attributes of Venus Trolley Mounted SABA:*

1. **Frame: Mild Steel or Stainless Steel**
  - Provides strength and durability. Stainless steel offers corrosion resistance for harsher environments.
2. **Wheels: Caster Wheels with Polyurethane Covering**
  - Ensures smooth, quiet movement and protects floors, with abrasion resistance for longevity.
3. **Couplings: Stainless Steel with Nickel-Plated Brass Locking Balls**
  - Ensures secure connections with corrosion resistance and long-lasting durability.
4. **Air Supply Hose: PVC Material**
  - Flexible, durable, and resistant to abrasion and chemicals, ideal for various environments.
5. **Cylinder Material: Carbon Composite/Steel**
  - Carbon composite is lightweight and strong, while steel provides durability and pressure resistance.
6. **Demand Valve: ABS Material**
  - Strong, impact-resistant, and heat-resistant, offering reliable performance in demanding conditions.

## ***Cautions & Limitations***

1. Use only by trained personnel after inspecting for damage or leaks.
2. Do not use near open flames, extreme heat, or corrosive chemicals unless certified.
3. Limited to two users and dependent on cylinder air supply (200/300 bar).
4. Not suitable for oxygen-deficient or highly toxic environments without additional equipment.
5. Regularly monitor the pressure gauge and respond to the whistle alarm promptly.
6. Avoid exceeding the unit's air output (1000 liters/min).
7. Ensure proper cleaning, storage, and maintenance after each use.

## ***SABA Quick Guide***

1. **Before Use:**
  - Inspect cylinders, hoses, valves, and face mask for damage.
  - Ensure cylinders are properly filled (200/300 bar) and test the whistle alarm.
2. **During Use:**
  - Gradually turn on the air supply.
  - Monitor pressure and listen for the whistle alarm.
  - Avoid tangled hoses when used by two people.
3. **After Use:**
  - Turn off the air supply and release residual pressure.
  - Clean components and store in a dry, clean place.
4. **Maintenance:**
  - Check for leaks, wear, and damage regularly.
  - Refill cylinders after each use and replace worn parts promptly.
5. **Safety:**
  - Only trained personnel should operate.
  - Do not exceed pressure limits.
  - Stop use immediately if issues arise.

## ***Applications of Trolley Mounted SABA***

1. **Engineering:**
  - Safe air supply for mining and petrochemical operations in hazardous environments.
2. **Welding & Sandblasting:**
  - Protection during painting, cutting, drilling, and sandblasting activities.
3. **Pharmaceuticals:**
  - Ensures safety in chemical handling and cleanroom operations.
4. **Paint Industry:**
  - Prevents inhalation of toxic vapours during bulk chemical handling and spray painting.
5. **Waste Treatment:**
  - Provides air during tank cleaning, sewer maintenance, and hazardous waste disposal.
6. **Fire-fighting & Cleaning:**
  - Supports fire-fighting and large-scale cleaning in contaminated areas.

Trolley-mounted SABA is ideal for extended-duration operations, ensuring consistent air supply and worker safety in hazardous environments.



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