

# Technical Datasheet

## Supplied Air (SA)

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

### STAND MOUNT UNIT

SA-FRC 100

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 (For 3 users)

Pressure: 10 bar

Item # 110368301



### WALL MOUNT UNIT

SA-FRC 100

Item # 110356901

### Detailed Accessories for Venus SA:

- **Filters:**
  - Borosilicate Fine Filter (Item # 170362701)
  - Activated Carbon Odor Filter (Item # 170362801)
- **Hoses:**
  - Spiral Hose, 10 m (Item # 110353301)
  - Airline PVC Braided Hose:
    - 10 m (Item # 110354601)
    - 20 m (Item # 110354602)
    - 30 m (Item # 110354603)
- **Flow Control Valve:**
  - Low-Pressure Connector CA40M (Item # 110354101)
- **Filter Life Indicator Unit:**
  - Included with Wall Mount Unit.
- **Vortex Air Cooler Kit:**
  - Reduces air temperature by up to 10°C (Item # 110355201).
- **Complete Airline Set:**
  - Includes low-pressure conditioner, 10 m PVC hose, flow control valve (Item # 110355501).



## FEATURES AND BENEFITS

### *Features of SA:*

1. **Air Purification System:** Pre-filters and fine regulators filter particles up to 5 microns, with activated carbon odour filters for clean breathing air.
2. **Versatile Mounting Options (Stand and Wall Units):** Systems include filter regulator conditioners, pressure gauges, and manual drains.
3. **Headpiece Variety:** Multiple options including hoods (Tyvek, PVC) and full-face masks for various tasks.
4. **Spiral and Airline Hoses:** Available in multiple lengths (10 m, 20 m, 30 m) with durable materials.
5. **Vortex Air Cooler:** Reduces air temperature by up to 10°C.
6. **Filter Life Indicator:** Alerts for timely filter replacement.
7. **Flow Control Valve:** Adjustable airflow through low-pressure connectors (CA40M).

### *Benefits of SA:*

1. **Air Purification System:** Ensures a high level of respiratory protection by removing harmful contaminants from the air supply.
2. **Versatile Mounting Options (Stand and Wall Units):** Provides flexibility to adapt the setup based on workplace requirements, optimizing space and convenience.
3. **Headpiece Variety:** Tailored protection and comfort for different industries and hazards (e.g., painting, blasting).
4. **Spiral and Airline Hoses:** Ensures flexibility in movement and reach while maintaining consistent air supply.
5. **Vortex Air Cooler:** Enhances user comfort during extended use in hot environments.
6. **Filter Life Indicator:** Maintains effective air purification and minimizes downtime for maintenance.
7. **Flow Control Valve:** Allows users to customize airflow for maximum comfort and efficiency during operations.

### *Attributes*

1. **Pressure Range:**
  - Systems operate at 10 bar pressure.
2. **Accessories:**
  - Activated carbon odor filter.
  - Flow control valve and filter life indicators.
  - Spares: Borosilicate fine filters and carbon filters.
3. **Compliance:**
  - Adheres to standards (EN certifications and others).

### *Cautions & Limitations*

1. **Compressed Air Source:** Ensure a clean and safe compressed air supply.
2. **Filter Replacement:** Regularly replace filters for effective purification.
3. **Breathing Tubes:** Use correct tubing and avoid damage as it may compromise air quality.
4. **Temperature Control:** For high-temperature environments, use the vortex valve.

## **SA Quick Guide**

1. **Setup**
  - a. Connect the **air purification unit** (stand or wall-mounted) to a clean compressed air source (up to 10 bar).
  - b. Attach the **spiral hose** or **PVC braided hose** to the outlet.
2. **System Check**
  - a. Ensure **filters (borosilicate fine filter and carbon odor filter)** are installed and check the **filter life indicator**.
  - b. Connect the **flow control valve (CA40M)** and test airflow.
3. **Headpiece Connection**
  - a. Attach the chosen **headpiece** (e.g., CA2 hood, full-face mask) to the **breathing hose** and ensure all connections are secure.
4. **Operation**
  - a. Turn on the air supply, adjust the regulator for required pressure, and use the flow control valve to set a comfortable airflow.
  - b. For hot environments, attach the **vortex air cooler** for temperature reduction.
5. **During Use**
  - a. Monitor the **filter life indicator** and check for consistent airflow.
  - b. Inspect hoses and connections for any damage or leaks.
6. **Post-Use**
  - a. Turn off the air supply, disconnect components, and inspect for wear.
  - b. Store the system in a clean, dry place.
7. **Maintenance**
  - a. Replace filters regularly or when indicated.
  - b. Clean and inspect all components periodically.

## **Applications of SA**

1. **Engineering:** Welding, sandblasting, painting, and coating.
2. **Mining:** Handling, blending, and rock milling.
3. **Pharmaceuticals:** Powder handling and bulk material handling.
4. **Paints & Chemicals:** Spray painting, handling, and cleaning drains.
5. **Waste Treatment:** Handling sewage and cleaning.