

► EASY

CAR103-01

DESCRIPTION

- Ideal for: **Big volume GIS and Particle Accelerators**
- **4 functions in one cart:** SF₆ Recovery, Air Vacuum, SF₆ Refill and Filtering
- **Recycling in autonomy:** the integrated Filteral- allows the reduction of humidity levels and the elimination of gases resulting from the SF₆ decomposition
- **Compact design**
- Completely **remotable**
- Intuitive interface, **easy to use**
- **Safe transport:** complete and automatic emptying of the circuit guaranteeing an internal pressure of less than 0.5 bar according to **PED 2014/68/EC**



FUNCTIONS

- ✓ SF₆ gas **Recovery** from equipment
Final attainable absolute pressure < 1 mbar abs.
- ✓ **Air evacuation** from equipment
Final attainable absolute pressure < 1 mbar abs.
- ✓ SF₆ gas **Refilling** from a cylinder
- ✓ SF₆ gas **Filtration and moisture abatement** both in Recovery and Refilling phase
- ✓ SF₆ gas **Filtration and particulate abatement** both in Recovery and Refilling phase
- ✓ Fully automated procedure to **reduce the pressure of the machine circuit.**
The attainable emptying pressure is adapted to the Regulations ensuring safe transport
- ✓ Fully automated procedure to **restore the standard machine circuit pressure** after transport
- ✓ **Moisture measurement** of Recovered and Refilled SF₆ gas
- ✓ Automated **Cylinder Heating** to avoid the freezing effect of the gas expansion
- ✓ **Certified Weighing System**
- ✓ **Report generation** to track humidity, temperature and pressure data
- ✓ **Remotely Controlled** in order to keep the operator away from hazardous areas



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TECHNICAL SPECIFICATIONS

⚙️ DIMENSIONS: Length: 1300 mm - Width: 800 mm - Height: 1300 mm

⚙️ WEIGHT: 600 kg

⚙️ POWER SUPPLY: 380 - 420 V / 50/60 Hz three-phase

Air vacuum pump

⚙️ FINAL PRESSURE: < 1 mbar

⚙️ NOMINAL FLOW RATE: 40 Nm³/h

SF₆ dry gas vacuum pump

⚙️ FINAL PRESSURE < 1 mbar

⚙️ NOMINAL FLOW RATE: 15 Nm³/h

SF₆ dry compressor

⚙️ NOMINAL FLOW RATE: 13.5 Nm³/h

⚙️ MAX PRESSURE: 50 bar

STANDARD EQUIPMENT

Air vacuum pump 40 Nm³/h

SF₆ gas vacuum pump 15 Nm³/h

SF₆ dry compressor 13.5 Nm³/h

2 humidity filters

1 particulate filter

Thermal blanket

12" digital display

Emptying cylinder for transport

Cylinder scale (0 - 140 kg; ±10 g)

Pressure, humidity and temperature sensor

Precision vacuumeter 0-100 mbar

5 m DN20 hose with DN20 connection valves

5 m DN8 hose with DN20 coupling valve and SF₆ W 21.7 x 1/14" cylinder connection

Solid elastic rubber wheels with swivel plate support and brake

Colours: Yellow: RAL 1016 - Black: RAL 9005



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CERTIFICATES ISSUED

- 📄 Helium Leak Test Certificate
(UNI EN ISO 9712 - SNT TC1A)
- 📄 EC Declaration of conformity
- 📄 Safety valves INAIL Certificate
- 📄 Calibration Certificate of weighing system issued
by an accredited metrology laboratory

DOCUMENTATION PROVIDED

- 📄 Operating manual
- 📄 SF₆ gas safety Data Sheet

