

► POINT

CAR108-01

DESCRIPTION

- **4 simultaneous functions in one cart:** SF₆ Recovery, Air Vacuum, SF₆ Refill and Filtering
- **Recycling in autonomy:** the integrated Filter allows the reduction of humidity levels and the elimination of gases resulting from SF₆ decomposition
- The amount of recovered gas is monitored through a **Certified integrated weighing system**
- **Maximum compactness**
- Intuitive interface, **easy to use**
- All connections are **molecular sealed**



FUNCTIONS

- ✓ SF₆ gas **Recovery** from the equipment and **Storage** in cylinders in liquid state
Final attainable absolute pressure < 1 mbar abs (in compliance with CEI EN62271-4)
- ✓ **Air evacuation**
Final attainable absolute pressure < 1 mbar abs
- ✓ SF₆ gas **Refilling** from a cylinder at adjustable pressure
- ✓ **Certified Weighing System** for cylinders both in Recovery and in Refill (5; 10; 20; 40L cylinders)
- ✓ SF₆ gas **Filtration and moisture abatement** in Recovery phase
- ✓ SF₆ gas **Filtration and particulate abatement** in Recovery phase



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TECHNICAL SPECIFICATIONS

⚙️ **DIMENSIONS:** Length: 680 mm (wheels) - Length: 550 mm (chassis) - Width: 930 mm - Height 1350 mm

⚙️ **WEIGHT:** 240 kg

⚙️ **POWER SUPPLY:** 220 - 240V 50/60 Hz

⚙️ **COLOURS:** Yellow: RAL1016 - Black: RAL9005

SF₆ Oil Free Compressor

⚙️ **NOMINAL FLOW RATE:** 2,4 m³/h (50 Hz); 2,7 m³/h (60Hz)

⚙️ **MAXIMUM DISCHARGE PRESSURE:** 50 bar

SF₆ Dry Suction Pump

⚙️ **NOMINAL FLOW RATE:** 3 m³/h (50 Hz); 3,6 m³/h (60 Hz)

⚙️ **ACHIEVABLE FINAL PRESSURE:** < 1 mbar

Air Vacuum Pump

⚙️ **NOMINAL FLOW RATE:** 15 m³/h

⚙️ **ACHIEVABLE FINAL PRESSURE:** < 1 mbar

STANDARD EQUIPMENT

SF₆ oil free compressor

SF₆ dry suction pump

Air vacuum pump

1 moisture filter

2 particulate filters

Digital precision vacuumeter for vacuum gas measurement (0-100 mbar)

Digital precision vacuumeter for air vacuum measurement (0-100 mbar)

2 LCD displays for visualising measured parameters

Inlet and outlet analogue pressure gauges

DN20-cylinder connection adapter to discharge the high pressure hose

DN8 Male - DN20 Female adapters

Digital pressure gauge 0 ÷ 11 bar abs measuring real and temperature compensated pressure + atmospheric temperature

180 kg load cell (accuracy ±10 g)

LCD weight display

5 m DN20 hose with 2 molecularly sealed DN20 female valves

5 m DN8 hose with 2 molecularly sealed DN20 female valves

5 m DN8 hose with adapters W21,8x1/14" - W1"

5 m DN8 hose with adapters W21,8x1/14" - W1"



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CERTIFICATES ISSUED

- 📄 Helium Leak Test Certificate
(UNI EN ISO 9712 - SNT TC1A)
- 📄 Digital refilling pressure gauge Calibration Certificate
- 📄 Safety valves Calibration Certificate
- 📄 Safety valves INAIL Certificate

DOCUMENTATION PROVIDED

- 📄 Operating manual
- 📄 SF₆ gas safety data sheet

OPTIONAL ACCESSORIES

- ☆ **TBS101-02:** 2m Rubber hose DN8 with DN8 female valves
- ☆ **TBS101-03:** 5m Rubber hose DN8 with DN8 female valves
- ☆ **TBS101-04:** 10m Rubber hose DN8 with DN8 female valves
- ☆ **TBS101-05:** 20m Rubber hose DN8 with DN8 female valves
- ☆ **VAL102-01:** Adapter kit DN8
- ☆ **TBS102-01:** 5m Rubber hose DN20 with DN8 female valves
- ☆ **TBS102-02:** 10m Rubber hose DN20 with DN20 female valves
- ☆ **TBS102-03:** 20m Rubber hose DN20 with DN20 female valves
- ☆ **VAL103-01:** Adapter kit DN20
- ☆ **TBS106-01:** Storage hose connection
- ☆ **COV101-01:** Waterproof cover

