

Liquid-to-gas mobile cart

A clean insulation technology

A solution to **process non-SF₆ eco-friendly dielectric gas mixtures**

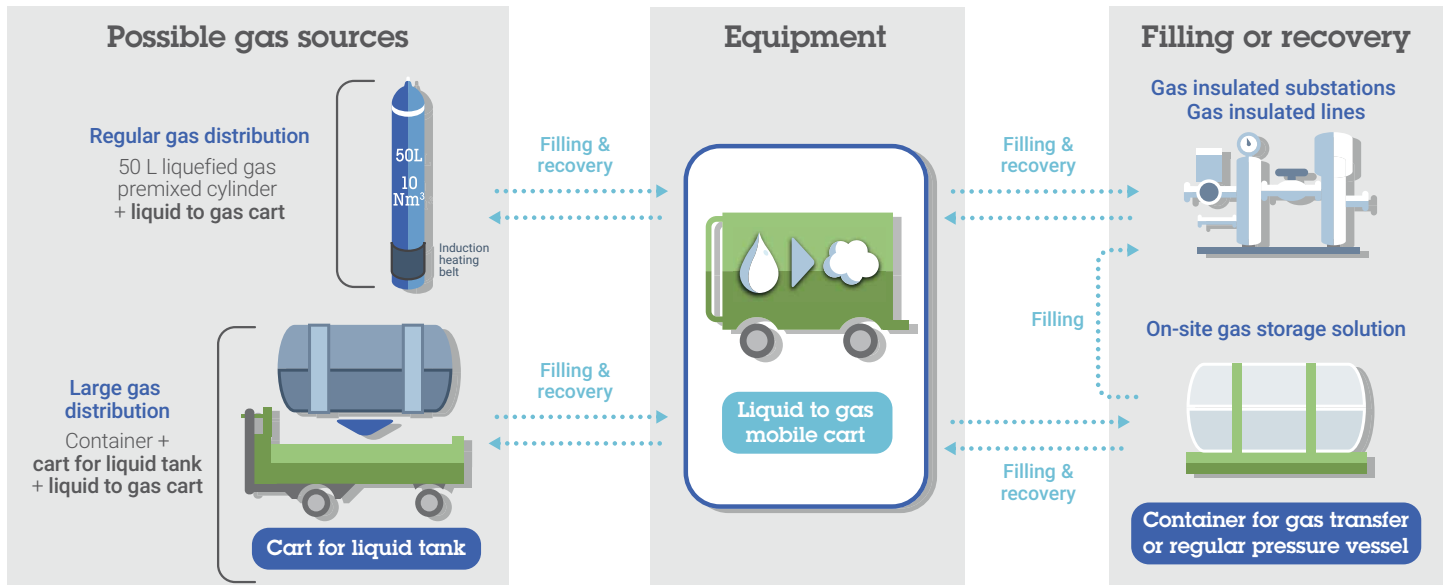


- ✓ **Fully automatic** operations reduce operator time for mixture **homogenization** and **recovery** or **filling** functions
- ✓ **High flowrate** and **large dielectric volume** management improve **efficiency** and **productivity**
- ✓ Cart proven and **qualified** by OEM* and TSO**

* Original Equipment Manufacturer

** Transmission System Operator

Air Liquide's liquid-to-gas mobile gas cart is the ideal solution to **fill** and **recover** gas-insulated high voltage **compartments** with **non-SF₆ mixtures automatically** and **efficiently**. Dielectric mixtures are contained in **regular cylinders or large tanks**, in **gaseous** or **liquefied** states. Our **proven** low-temperature **heating** provides **high flowrate filling** and **improved productivity**.



Technical characteristics

- **Filling flow rate:** 12 m³/h
- **Heating & emptying:**
 - **50 L cylinder:** 1 hour @ 20°C
 - **500 L tank:** 8 hour @ 20°C
- Ambient temperature of service: -20°C to 50°C
- GIS max filling pressure: 10 barg
- Storage tank max filling pressure: 20 barg
- Residual gas in the gas source: 1 barg
- Vacuum after recovery: 1 mbar abs.
- Dimensions (L x W x H): 3 m x 1.3 m x 2.1 m
- Weight: < 1,650 kg
- Compatible gas mixtures: fluoronitrile C₄F₇N (C₄-FN) / O₂ / CO₂
- **Equipment handling:** wheels (pneumatic in the outdoor version), axle with pivoting drawbar, towing hook, park break, forklift pockets, 4 lifting hooks
- **Electrical utilities:** 50 Hz – 400 V 3 phases + neutral + ground – 32 A or multi-network option: 50 Hz / 60 Hz, 400 V/480 V 3 phases + neutral + ground
- **Human Machine Interface (HMI):** fully automatic and ergonomic through a 12" touch screen
- **Certifications:** CE, overall IP33, electrical part IP64

Related services

- Technical assistance
- Preventive and curative maintenance
- Spare parts
- Training



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