PRODUCT DATASHEET

SF_6 Gas Handling Cart (300 L)

300 L cart that recovers, cleans and refills SF_6





DETAIL – CLOSE-UP

OVERVIEW

The Tech Inc. SF_6 Gas Handling Cart recovers, filters, dries, stores and refills the sulphur hexafluoride (SF_6) insulating gas in gas-insulated switchgear (GIS) and SF_6 circuit breakers. It draws the gas out of a compartment before maintenance, cleans it and holds it in a 300 L storage vessel, then evacuates air and moisture from the compartment and refills it to rated pressure.

MODELS AND CONFIGURATIONS

- **TI-SGC300** – 300 L SF_6 handling cart for recovery, storage, filtering and refilling.
- **TI-SGC300X** – the same 300 L cart with an alternative compressor and vacuum pump, proven components from leading makers, where the project specification calls for them.
- **Yearly service** – filter and dryer cartridge refills, instrument calibration and repairs.

TYPICAL DESIGN DATA

Storage vessel	300 L, designed to ASME VIII or client specification
Functions	Recovery, storage, filtering and drying, evacuation and refilling
Compressor	Oil-free, a proven component from leading makers
Vacuum pump	A proven component from leading makers
Gas treatment	Replaceable particle filters and dryer cartridges
Hose connections	DN20 couplings, or to client specification
Controls	Manual or automatic sequences with pressure switches and interlocks, to client specification

APPLICATIONS

Commissioning, maintenance, extension and decommissioning of GIS, gas-insulated lines and SF_6 circuit breakers at transmission and distribution substations, power plant switchyards and industrial substations.

KEY ADVANTAGES

- **No SF_6 to atmosphere** – closed-loop recovery, storage and refilling
- **Gas reused** – filtering and drying return the gas to service
- **Safe handling** – interlocks, relief protection and self-sealing couplings
- **Dry compartments** – vacuum evacuation removes air and moisture before filling
- **Full cycle in one cart** – recovery, storage, evacuation and refilling from a single control panel

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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