PRODUCT DATASHEET

SF_6 Gas Handling Trailer (600 L)

600 L SF_6 handling trailer for 400–765 kV GIS





DETAIL – GAUGE PANEL

OVERVIEW

The Tech Inc. SF_6 Gas Handling Trailer (model TI-SGC600T) recovers, filters, dries, stores and refills sulphur hexafluoride (SF_6) at extra-high-voltage gas-insulated switchgear (GIS). Built for 400–765 kV GIS, where gas compartments are large, it carries a 600 L storage vessel with its compressor and vacuum pump on a towable trailer that moves between substations.

MODELS AND CONFIGURATIONS

- **TI-SGC600T** – 600 L SF_6 handling trailer for 400–765 kV GIS.
- **Control options** – manual operation or automatic recovery, evacuation and filling sequences, to client specification.
- **Yearly service** – filter and dryer cartridge refills, instrument calibration and repairs.

TYPICAL DESIGN DATA

Storage vessel	600 L, designed to ASME VIII or client specification
Switchgear served	400–765 kV GIS, or to 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
Hose connections	DN20 couplings, or to client specification
Controls	Manual or automatic sequences with pressure switches and interlocks
Mobility	Road-towable trailer, to client specification

APPLICATIONS

Commissioning, maintenance, bay extension and decommissioning of 400–765 kV GIS and gas-insulated lines at transmission substations and power plant switchyards.

KEY ADVANTAGES

- **Large capacity** – 600 L of storage for the compartments of 400–765 kV GIS
- **No SF_6 to atmosphere** – closed-loop recovery, storage and refilling
- **Gas reused** – filtering and drying return the gas to service
- **Mobile** – towed between substations, with its equipment protected in an enclosure
- **Safe handling** – interlocks, relief protection and self-sealing couplings

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

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

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