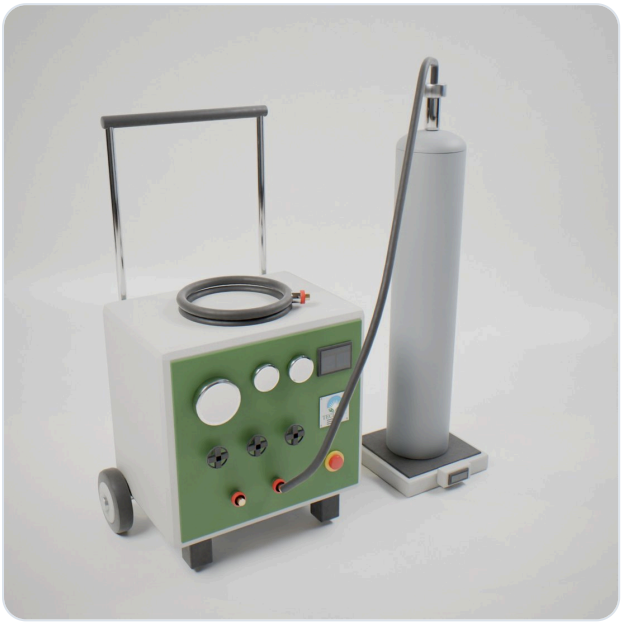
PRODUCT DATASHEET

Compact SF_6 Recovery and Filling Unit

Compact SF_6 recovery and refilling unit





DETAIL – CONTROL PANEL

OVERVIEW

The Tech Inc. Compact SF_6 Recovery and Filling Unit (model TI-SRU60) recovers SF_6 from switchgear compartments and refills them, in a unit small enough to move by hand around a substation. It draws the gas out of the compartment, passes it through filters and a dryer, and stores it in gas cylinders or an external vessel for reuse. After maintenance it evacuates the compartment and refills it to rated pressure.

MODELS AND CONFIGURATIONS

- **TI-SRU60** – compact SF_6 recovery and filling unit.
- **Cylinder or vessel storage** – recovered gas held in SF_6 cylinders or an external vessel.
- **Yearly service** – filter and dryer cartridge refills, instrument calibration and repairs.

TYPICAL DESIGN DATA

Functions	Recovery, filtering and drying, evacuation and refilling
Storage	External SF_6 cylinders or vessel, to client specification
Compressor	Oil-free, a proven component from leading makers
Vacuum pump	A proven component from leading makers
Gas treatment	Replaceable particle filter and dryer cartridge
Hose connections	DN20 couplings, or to client specification
Controls	Manual operation with pressure switches and interlocks
Power supply	To client specification

APPLICATIONS

Smaller GIS compartments, SF_6 circuit breakers and gas top-ups at distribution and transmission substations, power plants and industrial sites.

KEY ADVANTAGES

- **Compact** – moved by hand and carried in a service vehicle
- **No SF_6 to atmosphere** – recovery, filtering and refilling in a closed loop
- **Gas reused** – filtered and dried gas returned to service
- **Safe handling** – interlocks, relief protection and self-sealing couplings
- **Simple upkeep** – replaceable filter and dryer cartridges, with yearly calibration

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

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.