PRODUCT DATASHEET

SF_6 Refilling, Evacuating and Weighing Device

Compact devices that evacuate, fill and weigh SF_6 into switchgear

Product page





Close-up: filling regulator and cylinder scale

OVERVIEW

The Tech Inc. SF_6 Refilling, Evacuating and Weighing Device handles the small, frequent SF_6 jobs on gas-insulated switchgear without bringing out a full recovery cart. A vacuum pump evacuates the compartment before filling, a pressure regulator fills it to the rated density from a cylinder on a scale, and the scale records exactly how much gas went in, which the operator needs for the SF_6 inventory and leak records.

TYPICAL DESIGN DATA

Filling pressure	Set to the switchgear rated pressure, to about 10 bar
Vacuum	To about 1 mbar
Scale	To about 100 kg, about 10 g resolution
Codes and standards	Gas handling practice to IEC 62271-4
Couplings	Self-sealing DN8 and DN20
Filter	Dust filter on the filling line
Gases	SF_6; alternative gas mixtures on request

MODELS AND CAPACITIES

- **TI-SFW-F** – filling device
- **TI-SFW-EFW** – evacuating, filling and weighing set
- **TI-SFW-FW** – filling and weighing set
- **TI-SFW-AG** – alternative-gas version

Indicative set contents.

ORDERING CODE

Example **TI-SFW-EFW**: **EFW** set: F, FW, EFW, AG.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: trolley; moisture and purity analyser; adapters for other coupling sizes; alternative-gas version.

KEY ADVANTAGES

- **Traceable** – every fill weighed
- **Clean** – evacuate before filling
- **Compact** – case or trolley
- **No losses** – self-sealing couplings

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