

Gas Filling Unit Model GFU30, High Voltage

WIKA Data Sheet SP 63.03

Applications

- Filling, recovery, and purification of SF₆ gas from tanks

Special Features

- Choice of oil-less, oil-free, or oil-lubricated compression system
- Choice of refrigerated or non-refrigerated compression assistance
- High-pressure (>50 bar or 750 PSI) compression option

Description

Proper SF₆ handling is essential and includes initial filling, evacuation, purification, and re-pressurization of SF₆ tanks. WIKA's Gas Filling Unit - High Voltage (GFU30) provides this complete array of filling and evacuation services for large, high-voltage SF₆ equipment. It is ideally suited for servicing larger volumes of SF₆ gas and is easily transportable on-site with multiple mounting options.

Functionality

- Choice of oil-less, oil-free or oil-lubricated SF₆ compressors
- Option of high-pressure compressor up to 50 bar
- Recovery maximum of < 0.5 mbar while compressing up to 50 bar
- Purifies, dries, and filters SF₆ to 0.5 microns (3 mbar)
- With or without onboard storage
- Automatic shut off when maximum allowable pressure is reached
- Manual or PLC control
- Automatic high-pressure shutdown
- Supports all voltage and frequency combinations
- Mounted via trailer, caster or skid
- Ability to cool recovered gas to increase recovery speed



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Additional Features

- High-pressure warning light
- Heavy-duty suction and discharge pressure gauges
- Inlet pressure regulator
- Internal equalization restarting circuit
- Instrumentation grade valves and fittings

Ordering Requirements

- Voltage
- Mounting (trailer, caster, skid)
- Vacuum pump rate
- Compressor flow rate
- Compressor type (oil-less, oil-free, oil-lubricated)
- Enclosure (metallic or tarpaulin)
- Manual or PLC control