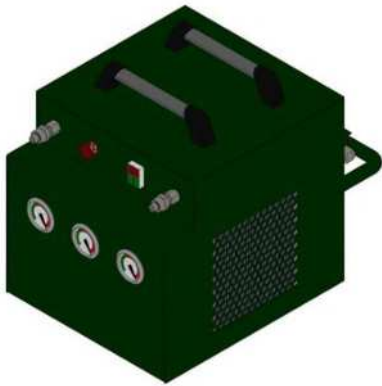


AGTU

SF₆ handling equipment



The compact solution to recover, consolidate and transfer SF₆ in small-volume equipment

AGTU

SF₆ gas transfer unit

amperis

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Low-cost recovery, consolidation and transfer of SF₆ for small-volume equipment.

Product description

Designed for small volumes of SF₆

The AGTU was created as a low-cost solution to recover, consolidate and transfer sulfur hexafluoride (SF₆) in circuit breakers and small-volume gas equipment, up to 69 kV. It is the ideal tool for consolidating partially used cylinders into one, or for recovering left-over gas from higher-capacity carts.

Oil-less, direct-drive compressor

An oil-less, direct-drive compressor with a 1000:1 compression ratio reaches up to 34 bar of discharge pressure: enough to liquefy SF₆ even at high ambient temperatures. The regulated inlet allows direct connection to high-pressure bottles, with no need to throttle the gas.

Main advantages

- Purifies, dries and filters the gas down to 0.1 microns on every recovery and re-pressurization.
- Colour-change moisture indicator to monitor the condition of the gas.
- Filters can be replaced without disconnecting tubing or using special tools.
- Automatic compressor shutoff once the maximum allowable pressure is reached.
- Rugged steel enclosure, suited to SF₆ tanks, bottles or carts.
- Supplied with 3 m hoses and a power cable.



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Applications and operation

Applications

- Recovery of SF₆ gas to an optional auxiliary storage tank.
- Pressure-regulated recharging of SF₆ gas to switchgear.
- Consolidation of partially used storage cylinders.
- Purification of SF₆: removes particles, moisture and decomposition products.

How it works

A single unit handles the three basic operations of small-volume servicing: it recovers gas from the equipment down to a residual pressure of 100 mbar (optionally below 1 mbar with the XDS module), purifies and dries it as it passes through the filters, and transfers it again, or into another bottle, at a rate of up to 2 m³/h.

Options

- Additional XDS vacuum module, to bring residual recovery pressure below 1 mbar.
- Auxiliary external storage tank.
- Longer hoses and special supply voltages on request.



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AGTU – PERFORMANCE DATA

Designed for	Circuit breakers and SF ₆ equipment up to 69 kV
SF₆ transfer rate	Up to 1.2 CFM (2 m ³ /h)
Recovery	Down to 100 mbar; optionally below 1 mbar with XDS module
SF₆ compressor	Oil-less, direct-drive, 1000:1 ratio; up to 34 bar discharge
Filtration	0.1 micron on every recovery and re-pressurization cycle

Performance data as per the manufacturer's current catalogue (2025).



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AGTU – TECHNICAL SPECIFICATIONS

Type	Portable SF ₆ gas transfer unit
Enclosure	Rugged steel
Inlet	Regulated, for direct connection to high-pressure bottles
Moisture indicator	Colour-change
Safety shutoff	Automatic once maximum allowable pressure is reached
Hoses	3 m, supplied with power cable
Power supply	120 V single-phase, 60 Hz / 220 V single-phase, 50/60 Hz
Dimensions (H × W × D)	510 × 410 × 635 mm
Weight	34 kg



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