

AMPERIS AE736A

SF₆ gas handling equipment



Recovery below 0.5 mbar and purification of SF₆ in a single cart

AE736A

SF₆ gas servicing cart

amperis

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Recovery, evacuation, refilling and purification of SF₆, from switchgear to storage tank.

Product overview



Cart with roll-up tarpaulin sides



Trailer-mounted version

The full SF₆ cycle

The AMPERIS AE736A processes the SF₆ of gas-insulated switchgear, circuit breakers, bus ducts, accelerators and transformers: it removes the gas from the equipment, liquefies it and stores it in the system tank; it evacuates the serviced equipment for dry-out before recharging; it re-evaporates the gas to refill; and it purifies by absorption, removing decomposition products and moisture.

Recovery that goes further

Recovery reaches below 0.5 mbar while compressing up to 50 bar, and the vacuum circuit reaches below 0.0001 mbar; the gas is dried and filtered to 0.5 µm on its way back to service.

Main features

- Manual or PLC control; optional one-touch HMI touchscreen.
- Choice of oil-less, oil-free or oil-lubricated SF₆ compressors.
- Regulated inlet for direct connection to high-pressure bottles.
- Automatic shut-off and high-pressure shutdown with warning light.
- Instrumentation-grade valves and fittings; heavy-duty gauges.
- Supplied with or without on-board storage.



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Applications and configurations

Applications

- Gas-insulated switchgear and circuit breakers charged with SF₆.
- Bus ducts, accelerators and transformers using SF₆ as dielectric.
- SF₆ reclaiming and handling during commissioning and maintenance.

Built to order

Each cart is configured to the application: trailer, caster or skid mounting, aluminium enclosure or roll-up tarpaulin sides, with or without on-board storage, and manual, PLC or HMI touchscreen control. Operation remains simple, with limited maintenance and safe, economical running.



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AMPERIS AE736A – TECHNICAL SPECIFICATIONS

Recovery capability	Down to less than 0.5 mbar
Vacuum capability	Down to less than 0.0001 mbar
Compression	Up to 50 bar during recovery
Purification	Absorption of decomposition products and moisture; drying and filtering to 0.5 µm
Storage	With or without on-board storage tank
Control	Manual or PLC; optional HMI touchscreen with one-touch start/stop
Compressor options	Oil-less, oil-free or oil-lubricated SF ₆ compressors
Inlet	Pressure regulator for direct connection to high-pressure bottles
Safety	Automatic shut-off at maximum allowable pressure; automatic high-pressure shutdown with warning light
Restart	Internal equalisation restarting circuit
Instrumentation	Instrumentation-grade valves and fittings; heavy-duty suction and discharge pressure gauges; colour-change moisture indicator
Supply voltage	All voltage and frequency combinations supported
Mounting options	Trailer, caster or skid mounted
Enclosure options	Aluminium enclosure or roll-up tarpaulin sides
Included	3 m hoses and power cable



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