

# Transorfilter

Mobile equipment for reclaim of SF<sub>6</sub> gas

FV24C Oil-free



**TRANSORFILTER**  
www.transorfilter.se **Sweden**

# Transorfilter, FV24C Oil-free

*Transorfilter FV24C Oil-free transfers SF<sub>6</sub> gas between gas insulated circuit breakers or GIS and standard gas bottles or 600L gas tank.*

## For the field service

Transorfilter FV24C transfers SF<sub>6</sub> gas between gas insulated circuit breakers, switchgear (GIS) and standard bottles or additional 600L storage tank. It evacuates the breaker down to below 1 mbar, cleans the gas and fills the gas bottle or gas tank to high pressure, max 51 bar(abs). When a pre-set high-pressure value is reached, the compressor and vacuum pump automatically stops.

FV24C is built in a chassis with fork lift pockets. The standard machine has four legs to stand on but can easily be fitted with wheels as option. Since all machine legs are hollow inside, the chassis can also be lifted and placed on top of the optional 600L SF<sub>6</sub> storage tank. The FV9C can be connected to the storage tank with a short optional connection hose.

FV24C contains an oil-free SF<sub>6</sub> compressor, an oil-free SF<sub>6</sub> vacuum pump, automatic coaxial valves and filters for SF<sub>6</sub> gas handling. An oil-lubricated vacuum pump for air evacuation is also included with the unit. Optional accessories like connection piece for SF<sub>6</sub> object can be delivered with the unit on request.

FV24C has PLC programs and is operated from a 7" HMI touch display. Several manometers are situated at the front panel of the unit and show the different internal pressures of the unit. A storage box is situated at the top of the chassis where cables and hoses etc. can be stored when not in use. Gas bottles for SF<sub>6</sub> are not included with the gas handling equipment, but can be offered separately on special request.



## Transorfilter, Technical Data

Measurements	FV24C
<b>Length:</b>	2400 mm
<b>Width:</b>	1000 mm
<b>Height:</b>	900 mm (excluding wheels)
<b>Weight, approx. excl. gas tank:</b>	850 kg

Technical data	FV24C
<b>SF<sub>6</sub> compressor (oil-free) capacity:</b>	2,7 - 23,7 m <sup>3</sup> /h @suction pressure 1 bar(abs) - 5 bar(abs)
<b>SF<sub>6</sub> compressor max. outlet pressure:</b>	51 bar(abs)
<b>SF<sub>6</sub> vacuum pump (oil-free) capacity:</b>	17,1 m <sup>3</sup> /h @50Hz
<b>SF<sub>6</sub> vacuum pump final pressure:</b>	0,007 mbar
<b>Air vacuum pump (oil lubricated) capacity:</b>	25 m <sup>3</sup> /h @50Hz
<b>Air vacuum pump, final pressure:</b>	0,1 mbar
<b>Voltage and frequency:</b>	3 x 400V, 50Hz ***
<b>Inlet hose connection for SF<sub>6</sub> evacuation:</b>	Male DN20 (1 pcs) connect to SF <sub>6</sub> gas compartment
<b>Inlet hose connection for air evacuation:</b>	Male DN20 (1 pcs) for air evacuation of gas compartment
<b>Outlet hose connection 1:</b>	Male DN8 (1 pcs) connect to optional SF <sub>6</sub> gas bottle
<b>Outlet hose connection 2:</b>	Male DN20 (1 pcs) connect to optional 600L storage tank
<b>Particle filtration:</b>	1 micron
<b>Chemical filtration:</b>	Moisture / chemical rest products

\*\*\* Other voltage and frequency specifications at your request.  
Subject to changes without notice.

