

Transorfilter

Mobile equipment for reclaim of SF₆ gas
FV9C Oil-free



TRANSORFILTER
www.transorfilter.se **Sweden**

Transorfilter, FV9C Oil-free

Transorfilter FV9C Oil-free transfers SF₆ gas between gas insulated circuit breakers or GIS and standard gas bottles or 600L gas tank.

For the field service

Transorfilter FV9C transfers SF₆ 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.

FV9C 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 SF₆ storage tank. The FV9C can be connected to the storage tank with a short optional connection hose.

FV9C contains an oil-free SF₆ compressor, an oil-free SF₆ vacuum pump, automatic coaxial valves and filters for SF₆ gas handling. An oil-lubricated vacuum pump for air evacuation is also included with the unit. Optional accessories like connection piece for SF₆ object can be delivered with the unit on request.

FV9C 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 SF₆ are not included with the gas handling equipment, but can be offered separately on special request.



Transorfilter, Technical Data

Measurements	FV9C
Length:	2400 mm
Width:	1000 mm
Height:	900 mm (excluding wheels)
Weight, approx. excl. gas tank:	750 kg

Technical data	FV9C
SF₆ compressor (oil-free) capacity:	1,9 - 9,4 m ³ /h @suction pressure 1 bar(abs) - 5 bar(abs)
SF₆ compressor max. outlet pressure:	51 bar(abs)
SF₆ vacuum pump (oil-free) capacity:	6,8 m ³ /h @50Hz
SF₆ vacuum pump final pressure:	0,02 mbar
Air vacuum pump (oil lubricated) capacity:	16 m ³ /h @50Hz
Air vacuum pump, final pressure:	0,5 mbar
Voltage and frequency:	3 x 400V, 50Hz ***
Inlet hose connection for SF₆ evacuation:	Male DN20 (1 pcs) connect to SF ₆ gas compartment
Inlet hose connection for air evacuation:	Male DN20 (1 pcs) for air evacuation of gas compartment
Outlet hose connection 1:	Male DN8 (1 pcs) connect to optional SF ₆ gas bottle
Outlet hose connection 2:	Male DN20 (1 pcs) connect to optional 600L storage tank
Particle filtration:	1 micron
Chemical filtration:	Moisture / chemical rest products

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

