

# Transorfilter

Mobile equipment for reclaim of SF<sub>6</sub> gas  
FV2C-C Oil-free



**TRANSORFILTER**  
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# Transorfilter, FV2C-C Oil-free

*Transorfilter FV2C-C Oil-free transfers SF<sub>6</sub> gas between gas insulated circuit breakers and standard gas bottles.*

## For the field service

Transorfilter FV2C-C Oil-free transfers SF<sub>6</sub> gas between gas insulated circuit breakers and standard bottles. It evacuates the breaker down to 1 mbar, cleans the gas and fills the gas bottle to high pressure, max 51 bar(abs). When a pre-set high-pressure value is reached, the compressor automatically stops.

FV2C-C Oil-free is built in a chassis with wheels. The unit contains an oil-free compressor, vacuum pump, automatic coaxial valves and filter for SF<sub>6</sub> gas handling. Optional accessories like connection piece for SF<sub>6</sub> object and a separate vacuum pump for air evacuation can be delivered with the unit on request.

FV2C-C Oil-free has PLC programs and is operated from a 4" HMI touch display situated at the front panel of the unit. Emergency stop and reset button is situated at the top of the unit. Hoses and electrical power cable are stored on the chassis hose reels.

Included SF<sub>6</sub> chemical and particle filter filtrates the gas from particles down to 1 micron. Chemical filter can absorb moisture and chemical rest products from the breakdown of SF<sub>6</sub>.

Gas bottles for SF<sub>6</sub> are not included with the gas handling equipment, but can be offered separately on special request. Scale for SF<sub>6</sub> gas bottle is not included in the standard equipment.



## Transorfilter, Technical Data

Measurements	FV2C-C
<b>Length:</b>	800 mm
<b>Width:</b>	600 mm
<b>Height:</b>	1400 mm
<b>Weight, approx. excl. gas bottle:</b>	230 kg

Technical data	FV2C-C
<b>SF<sub>6</sub> compressor (oil-free) capacity:</b>	1,9 - 9,4 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>	2,5 m <sup>3</sup> /h @50Hz
<b>SF<sub>6</sub> vacuum pump final pressure:</b>	0,15 mbar
<b>Air vacuum pump (oil lubricated) capacity:</b>	2,5 m <sup>3</sup> /h @50Hz (Optional mobile accessory)
<b>Air vacuum pump, final pressure:</b>	0,005 mbar
<b>Voltage and frequency:</b>	3 x 400V, 50Hz ***
<b>Inlet hose, connect to SF<sub>6</sub> compartment:</b>	3/8" x 5m, Female DN8 hose connection
<b>Outlet hose, connect to SF<sub>6</sub> gas bottle:</b>	3/8" x 1,5m with ball valve and W 21,8 x 1/14" bottle connection
<b>Hose for air evac. of gas compartment:</b>	3/8" x 5m, DN8 / Quick coupling (Optional accessory)
<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.

