

Transorfilter

Portable equipment for reclaim of SF₆ gas
FV4C Oil free



**SVENSKA
TRANSORFILTER**
www.transorfilter.se **Malmkvist**

Transorfilter, TFG FV4C Oil free

Transorfilter TFG FV4C Oil free transfers SF₆ gas between gas insulated circuit breakers and standard gas bottles.

For the field service

Transorfilter TFG FV4C Oil free transfers SF₆-gas between gas insulated circuit breakers and standard bottles. It evacuates the breaker down to below 1 mbar, cleans the gas and fills the gas bottle to high pressure. When a pre-set high pressure value is reached, the compressors automatically stop.

After performed service of the breaker the unit is used to transfer the reclaimed and cleaned gas back to the breaker.

The TFG FV4C Oil free consists of 3 different units that are easily connected with each other in the field. All 3 units are needed for the machine to work.

Necessary hoses and electrical cables are stored inside the aluminum boxes when they are not used or during transportation.

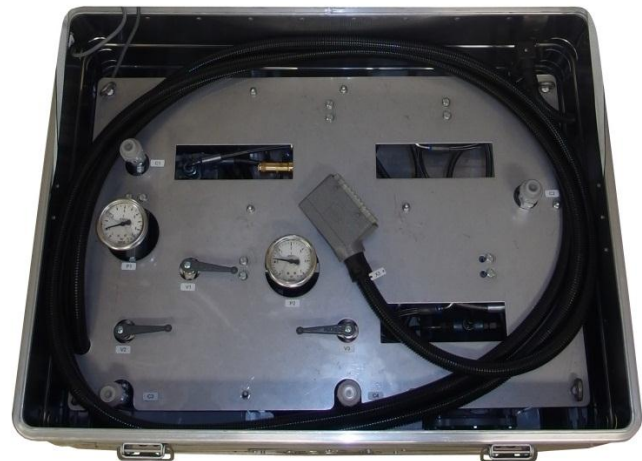
The TFG FV4C Oil free is operated from a control panel situated inside the filter unit box.

Two different vacuum pumps are included in the vacuum unit. One oil less vacuum pump that handles SF₆ gas in series with the oil free compressors and one mobile oil lubricated vacuum pump used for air evacuation. This way mixture of SF₆ and air is avoided.

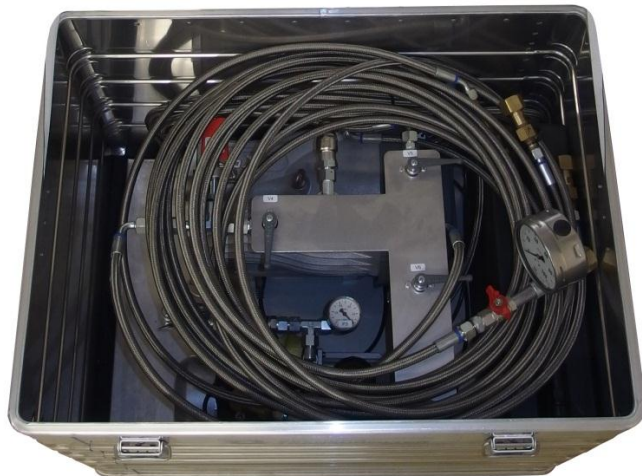
Particle filters in the filter unit filtrates the gas according to ISO 4406:1999, code 16/14/12.

Chemical filter can be regenerated and dried out to remove moisture using the heater element in combination with the vacuum pump.

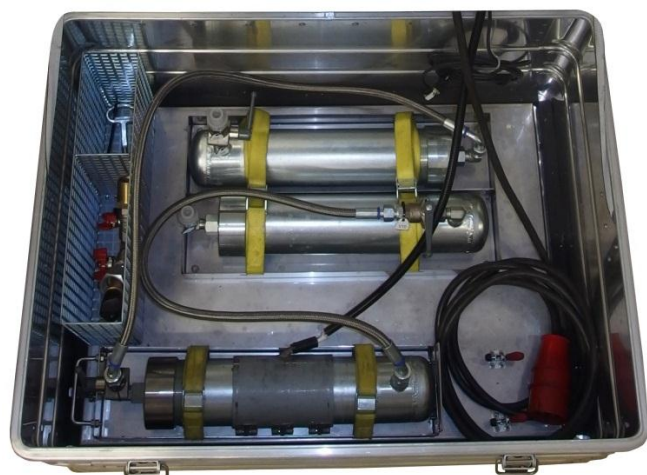
Gas bottles for SF₆ are not included with the gas handling equipment.



Compressor Unit

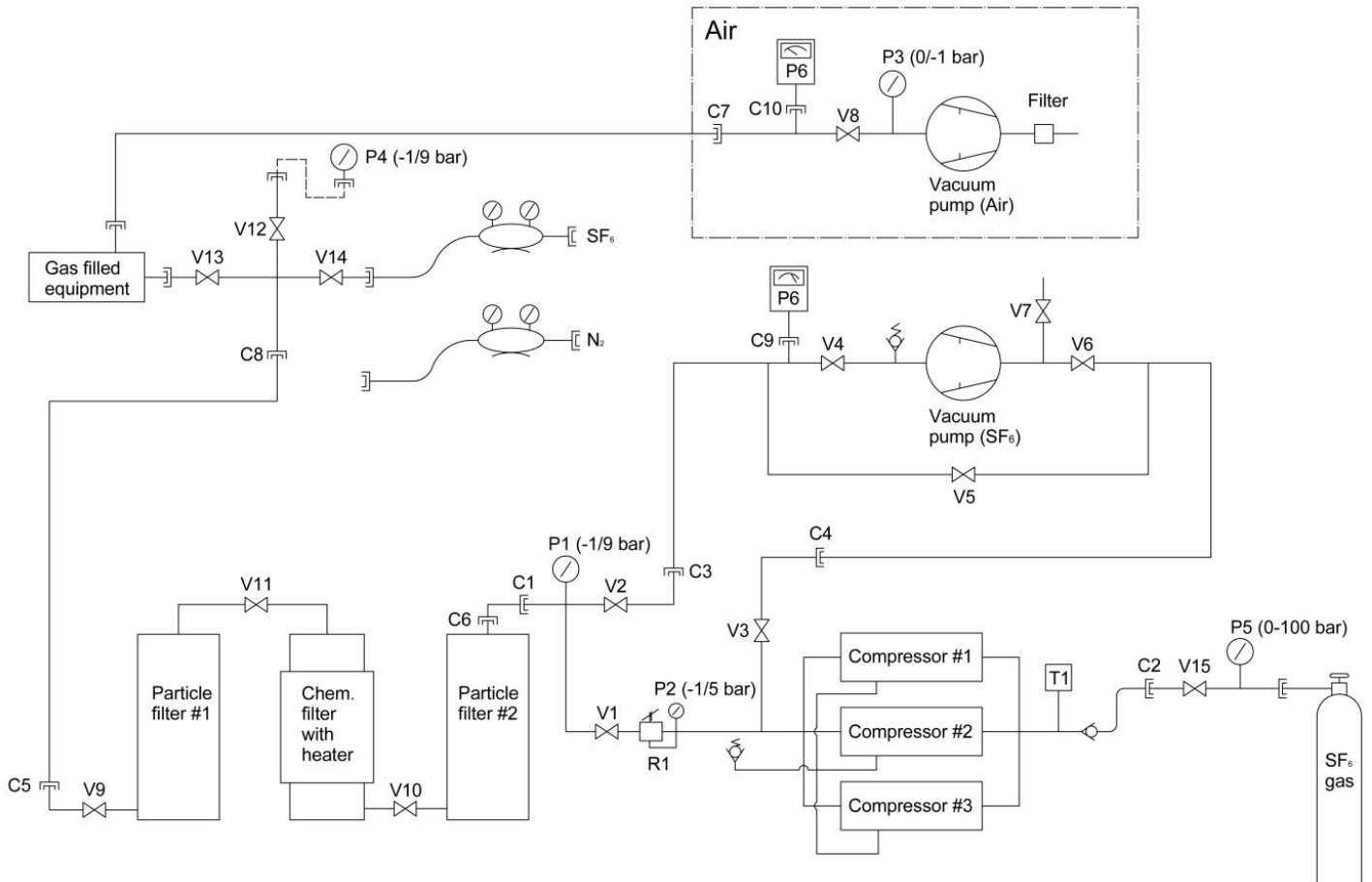


Vacuum Unit



Filter Unit

Transorfilter, Operation



Transorfilter, Technical data



Compressor Unit



Vacuum Unit



Filter Unit

Measurements	Compressor unit	Vacuum unit	Filter unit
Length, mm:	800	800	800
Width, mm:	600	600	600
Height, mm:	610	610	410
Weight, kg:	90	65	55

Technical data	Compressor unit	Vacuum unit	Filter unit
Capacity SF ₆ , m ³ /h:	3,5	6,8	-
Capacity mobile vacuum pump, m ³ /h:	-	7,6	-
Compressors max. pressure, bar:	50	-	-
Oil free SF ₆ vacuum pump, mbar:	-	2x10 ⁻²	-
Mobile vacuum pump, mbar:	-	5x10 ⁻³	-
Voltage and frequency, V/Hz*	3x400, 50	-	-
Connection hoses:	3/8"x5m (outlet)	-	3/8"x7m (inlet)
Heater, kW:	-	-	0,6
Particles in purified gas according to ISO 4406:1999	-	-	Code 16/14/12

* Other voltage and frequency specifications at your request.



Subject to changes without notice.

