

Transorfilter

Mobile equipment for reclaim of SF₆ gas
FV2C-CW Oil-free



TRANSORFILTER
www.transorfilter.se **Sweden**

Transorfilter, FV2C-CW Oil-free

Transorfilter FV2C-CW Oil-free transfers SF₆ gas between gas insulated circuit breakers and standard gas bottles.

For the field service

Transorfilter FV2C-CW Oil-free transfers SF₆ 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-CW Oil-free is built in a chassis with wheels. The unit contains an oil-free SF₆ compressor, vacuum pump for SF₆, automatic coaxial valves and filter for SF₆ gas handling. Also, there is a built-in vacuum pump for air included together with a separate air evacuation hose as standard.

FV2C-CW 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. Gas regulator for SF₆ filling is built-in into the panel.

Included SF₆ 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 SF₆.

Gas bottles for SF₆ are not included with the gas handling equipment but can be offered separately on special request. Scale for SF₆ gas bottle is included in the standard equipment (0-136kg).

Operating modes

The FV2C-CW unit comes with different pre-programmed operational modes. There are 3 different programs to choose between in the 4" HMI touch display.

1. SF₆ recovery (Recover SF₆ gas from object to storage tank)
2. SF₆ filling (Filling object with SF₆ gas from storage tank)
3. Air evacuation (Evacuation of air from air-filled object)



Basic forms

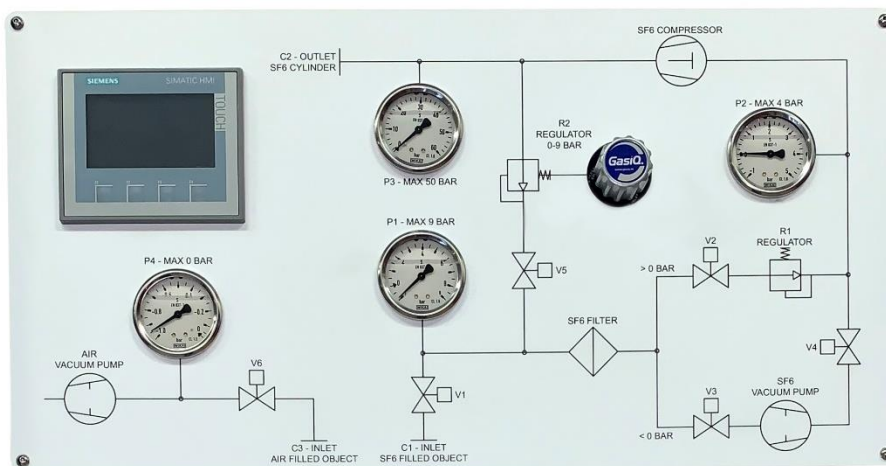
The FV2C-CW is normally delivered as a small mobile unit with wheels. On request the FV2C-CW can also be assembled and delivered on a road worthy trailer to be towed after a suitable car at 80km/h. Special adaption to trailer or national traffic regulations is done on request.



FV2C-CW mobile road-worthy trailer version.

Transorfilter, Technical Data

| Measurements | FV2C-CW |
|-----------------------------------|---------|
| Length: | 780 mm |
| Width: | 800 mm |
| Height: | 1370 mm |
| Weight, approx. excl. gas bottle: | 250 kg |



| Technical data | FV2C-CW |
|---|---|
| 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: | 2,5 m ³ /h @50Hz |
| SF6 vacuum pump final pressure: | 0,15 mbar |
| Air vacuum pump (oil lubricated) capacity: | 16 m ³ /h @50Hz |
| Air vacuum pump, final pressure: | 0,5 mbar @50Hz (2 mbar @60Hz) |
| Voltage and frequency: | 3 x 400V, 50Hz *** |
| Inlet hose, connect to SF6 compartment: | 3/8" x 5m, Female DN8 hose connection |
| Outlet hose, connect to SF6 gas bottle: | 3/8" x 1,5m with ball valve and W 21,8 x 1/14" bottle connection |
| Hose for air evac. of gas compartment: | 3/8" x 5m, DN8 / Quick coupling |
| Particle filtration: | 1 micron |
| Chemical filtration: | Moisture / chemical rest products |

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

