

Filling unit for SF₆

THBSF6 model

Specifically designed for filling sulphur hexachloride



ADVANTAGES

The unit has the great advantage of pumping both the liquid and the gaseous phase of the product in order to get the maximum content from the source cylinder. At an ambient temperature of 20°C (68°F), with 8 bar (114.5 psi) air drive pressure, the pump will perform at 28 bar (429.5 psi) delivery pressure, with 2 bar (28.6 psi) residual pressure in the emptied cylinder. The equipment is user-friendly. To run, it does not need any electrical supply, only compressed air or Nitrogen.

Description

The filling unit for SF₆ is made of a painted steel cabinet, with an upper panel where the service/controls valves, the gauges etc. are located.

The SF₆ transfer pump, complete with pipes, fittings and the other components is set up inside the cabinet with a front door that allows an easy access to the inner components.

The equipment is prearranged to be fixed to the floor by means of 4 feet with fixing holes.

The cabinet is complete of a removable front panel, for an easy access to the pump and the internal circuit for checking and maintenance operations.

With the unit, you can easily transfer the SF₆ from large containers to standard service cylinders. The equipment also allows to recover the SF₆ from cylinders or containers.

The transfer pump is specially designed to transfer the SF₆, allowing to pump both the liquid and the gas phase. This feature optimizes the service. Thanks to it, you can get the max performances from the source cylinders.

The unit is provided with a cooling system that cools down the pumped gas, by means of air drive expansions. It allows a good transfer performance reducing the pressure in the filled cylinder.

In order to have the best transfer performance, the source cylinder should be equipped with the internal deep pipe. If this is not present, it is necessary to invert the source cylinder upside-down.

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TECHNICAL DETAILS

- Painted steel cabinet RAL5017 with front and rear panels
- Cabinet predisposed to be fixed on the floor
- Pneumatically driven transfer pump designed for SF₆ service
- Power supply: Nitrogen or compressed air at 8 bar 600NI/min
- Power pressure (air or Nitrogen supply) control gauge
- SF₆ Inlet pressure control gauge
- SF₆ Filling pressure control gauge
- Ball valves to control:
 - Air/Nitrogen supply
 - SF₆ inlet
 - SF₆ outlet
- SF₆ filling safety valve
- Set of hoses for cylinders connection, 2 meters long made in PTFE S.S. braided
- Average flow:
 - Liquid transfer ~ 4 Kg/1'
 - Gas Transfer ~ 0,2 kg/1'
- Dimensions AxBxC: 1100x600x1100 mm
- Weight: 120 kg

PER MAGGIORI INFORMAZIONI:
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