

# RF300J Used SF6 Gas Regeneration System

RF300J SF6 Regeneration system can process and regenerate contaminated SF6 gas. By RF300J can reuse the SF6 in gas compartments, Saving costs in storage, handling, transportation, and new SF6 gas. In gas-insulated equipment, the SF6 gas can become contaminated with air. If the quality of the SF6 gas is not up to standard, it can seriously affect the safety of the equipment.

## Features

- Ensure the SF6 gas exceeds IEC 60480 standards
- Oil-less compressor and vacuum compressor
- Recovery SF6 Gas down to 1 mbar
- Built-in filter for SF6 dehydrate and impurity removal
- Gas Booster Fill 40L cylinders with liquid SF6 Gas in 5 minutes
- Touch screen one-click operation
- SF6 Gas Cooling system
- 300L built-in storage tank with Weighing function



## Technical Data:

Regeneration SF6 Gas purity guarantee > 99.9%
Regeneration SF6 Gas Moisture content < -41.5 centigrade ( 99.5 ppmV )
Contains zero SO2 HF and Other decomposition products

## Standard for use of sulfur hexafluoride gas

Standard Name	GB/T12022-2014	IEC 60480-2019	IEC 60376-2018
Purity	≥ 99.9% Vol	> 97% Vol	> 99.7% Vol
Air content	≤ 300 ppm	< 30000 μL/L ( 3 % Vol )	< 2000 μL/L ( 0.2 % Vol )
CF4 content	≤ 100 ppm	< 30000 μL/L ( 3 % Vol )	< 800 μL/L ( 0.08% Vol )
H2O	≤ -49.7 °C ( 40 ppmv )	< 200 μL/L ( 200 ppmv )	< 200 μL/L ( 200 ppmv )
Mineral oil	≤ 4 ppmw	< 10 mg/kg ( 10 ppmw )	< 10 mg/kg ( 10 ppmw )
Acidity Total	≤ 0.2 ppm	< 50 μL/L ( 50 ppmv )	< 7 μL/L ( 7 ppmv )

# RF300J Used SF6 Gas Regeneration System

## Standard equipment:

Oil-free compressor for recovery of SF6 gas: 38 m <sup>3</sup> /h
Oil-free vacuum compressor for recovery of SF6 gas: 30 m <sup>3</sup> /h final vacuum < 1mbar
Vacuum pump for evacuation of air: 64 m <sup>3</sup> /h, final vacuum < 10pa
Cooling system 5P Refrigeration system
Gas Booster Fill 40L cylinders with liquid SF6 Gas in 5 minutes
Built-in 300L tank
Filter for dehydrate and impurity removal of SF6 gas
Regeneration of molecular sieve in filter
Touch screen one-click operation
Lifting Rings
2*Fixed and 2*universal wheels
10m wire-braided hose DN20 self-sealing on both side
3m DN20 self-sealing with Chinese SF6 bottle connections hose
5m DN20 self-sealing with Chinese SF6 bottle connections hose
10m power cable
Paint: orange
2 operating Language , Chinese & English

## Additional Options:

RA912F Gas quality analyzer purity and humidity decomposition products
Wrench & Cylinder heating strip
On-Site Field Training Services – Let Certified Technicians training handle your SF6 gas