

HF-WC-641

SF6 Gas Vacuum Pump



SF6 Gas Vacuum Pump is essential auxiliary equipment for SF6 high-voltage apparatus maintenance. It efficiently pumps out residual air and moisture inside GIS and circuit breakers before gas filling. It also supports SF6 gas recovery and cyclic utilization, reducing gas waste and ensuring safe and stable operation of power equipment.

Key features

- Place the hand-push mobile unit on flat, solid ground and lock the moving wheels.
- Check oil level of the fore pump and Roots pump, confirm no oil leakage; verify all connecting pipelines, valves and seals are intact.
- Confirm power supply is standard 3-phase 5-wire 380V, connect the power cable correctly.
- First start the fore vacuum pump to pre-evacuate the cavity inside electrical equipment.
- When internal pressure drops to the set threshold, the Roots pump will automatically engage and run in series with the fore pump to rapidly pull high vacuum.

Technical specifications

Parameter	Value
Model	Customizable
Type	Air-cooled hand-push mobile type
Ambient Operating Temperature	10°C ~ 40°C
Pumping Speed	300 m ³ /h (50Hz)
Fore Vacuum Pump Ultimate Vacuum	10 Pa (overall system limit)
Power of Fore Vacuum Pump	5.5 kW
Pumping Speed	300 L/S
Roots Vacuum Pump Ultimate Vacuum	<= 0.06 Pa
Power of Roots Pump	3.7 kW
Power Supply	3-phase 5-wire system, 3Phi 380V
Total Rated Power	<= 10 kW
Noise Level	<= 60 dB(A)
Net Weight	300 kg

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.