



GF Series Dry Air Generator



Application

GF Series Dry Air Generators are widely applies to large scale electrical equipment such as transformers and electric reactor for supplying dry air during maintenance. The provided dry air can keep insulation status in the electrical equipment against wet and protect service person inside the equipment against oxygen-lack.

The dry air is much more reliable, economical, safe and convenient than nitrogen. Meanwhile its working condition will not be affected by climate and especially for the situation of overnight job, transformer and electric reactor will not get wet only if work man seals all flanges and fill dry air with 0.1-0.3Mpa pressure and no need to fill oil. By this way, the workload for discharging and filling oil will be saved, maintenance period will be shortened and efficiency will be improved.

During oil filtration process, we can also fill oil tanks of the equipment with dry air. It can ensure improvement of oil insulation quality and reduction of water content during oil purification process in rainy days and wet condition. When the dry air generator is connected to tank farm or tank station, it can keep the stored oil in qualified condition for long time so as to prepare for urgent use at any time. This machine can also be used for other storeroom, book room and production area which need to be dried.

Advantages

- Adopt double-screw type air compressor and low temperature condensation technique for dehydration.
- Small and light, easy to operate, energy saving, safe and reliable.
- Combined with advantages of refrigerated air dryer, desiccant air dryer and ultrahigh precision filtration technique to produce high quality low dew point dry air.
- The machine is with integrated design and automatic PLC control is available to check running parameters automatically. It has compact and reasonable structure and good performance with low consumption and long lifetime. The composite desiccant adopted have better effect and is about 3 times longer in lifetime than that of common desiccant.



- The machine adopts absorption dehydrate and regeneration technique, high precision coalescence dehydration filters and 0.01μm ultra high precision filters to keep cleanliness of air. It's easy for operation, energy saving, safe and reliable.

Technical Specification:

Model	Unit	LS-GF-50	LS-GF-100	LS-GF-200	LS-GF-360	LS-GF-480
Air Supply Capacity	m ³ /h	50	100	200	360	480
Total Power	KW	8.5	17	32	48	58
Power Supply	V	380v/50Hz				
Working Mode	—	Two towers automatically work alternately and continuously				
Desiccant Material	—	Activated aluminium oxide				
Regeneration Type	—	Heatless regeneration				
Working Pressure	Mpa	0.5~0.8mpa				
Overall Dimensions	cm	210×170×200	230×190×220	240×210×220	300×225×240	320×225×240
Air Pipe Diameter	mm	25	32	40	50	50
Weight	kg	1000	1400	1800	2200	2500
Dew Point	°C	-40°C ~ -70°C				
Air Pressure	Mpa	0.02~0.03Mpa				

■ Above size and weight are for reference only, the specific data shall be subject to its physical object.