

Vacuum Transformer Oil Purifier



Email: sinonsh96@sino-purification.com

sinonsh96@gmail.com







- Transformer drying
- Online working

Features //o/

Highly automatic operation



Efficiently improve oil performance

- · Enhance the value of breakdown voltage greatly
- High efficiency of de-watering, de-gassing and particulate-removing
- · Higher dirty-collecting ability and longer life span
- Muti-stages filtration system
- The primary filtration device is washed
- · High precision filtration device



Four main systems ensure safety

- Liquid level auto-controlling system
- Auto pressure protection system
- Steady temperature auto-controlling system
- Electrical auto-protection
- PLC: full automatic machine is available



Provide the most compact design

- All of the main components adopt imported advanced parts
- Small size, light weight, low noise
- · Low maintenance and long servicing life
- · Environmentally friendly





SINGLE-STAGE VACUUM TRANSFORMER OIL PURIFIER

> Model VF

The Sino-NSH oil purifier machines, model VF, are specially designed for processing (dehydration, degasification, filtration, and breakdown voltage enhance) of insulation oil of transformer, circuit breaker, mutual inductor, voltage regulator and switch gear.

Technical Data:

Item		Unit	VF-30	VF-50	VF-100	VF-150	VF-200	VF-300	
Flow Rate		L/H	1800	3000	6000	9000	12000	18000	
Vacuum Range Mp			-0.065 ~ -0.099						
Max Vacuum Range		Pa	≤ 90						
Working Pressure		Mpa	≤ 0.3						
Temperature Range		°C	45 ~ 80						
Power Supply		V	380V/3P/50Hz (or as needed)						
Working Noise		dB(A	≤ 70			≤ 75			
Heating Power		Kw	24	30	72	108	144	210	
Total Power		Kw	26	33	76	114	150	222	
Weight		Kg	350	480	750	1100	1250	1420	
Size	le ngth	Mm	1200	1300	1400	1500	1600	1800	
	width	Mm	900	900	1050	1100	1100	1250	
	height	Mm	1200	1300	1500	1800	1850	2000	

Guaranteed Data of Processed Oil:

Breakdown Voltage (KV) : 65

Appearance : Transparent

Water Content (ppm) : ≤ 7

Gas Content (%) : ≤ 0.1

Filter Fineness (um) : ≤ 5

Mechanical Impurity : None

Kinetic viscosity : No less than unused oil





VF-30



VF-30



VF-100 with single axle trailer

DOUBLE-STAGE VACUUM TRANSFORMER OIL PURIFIER

> Model VFD

With more efficient dehydration and degassing ability. Comparing with model VF, it adds roots vacuum system, second stage of separating system to improve the effect of purification.

It also can be used to inject the insulating oil into the transformers.

Technical Data:

Ite m		Unit	VFD-30	VFD-50	VFD-100	VFD-150	VFD-200	VFD-300		
Flow Rate		L/H	1800	3000	6000	9000	12000	18000		
Vacuum Range Mp			$-0.092 \sim -0.099$							
Max Vacuum Range		Pa	≤ 50							
Working Pressure		Mpa	€ 0.2							
Temperature Range		℃	45 ~ 80							
Power Supply		V	380 V/3P/50Hz (or as needed)							
Working Noise		dB(A		≤ 72		≤ 78				
Heating Power		Kw	24	36	72	90	120	150		
Total Power		Kw	27	41	79	98	130	162		
Weight		Kg	550	850	1100	1400	1600	2200		
Size	length	Mm	1500	1500	1900	2100	2100	2600		
	width	Mm	1280	1280	1400	1650	1550	1800		
	height	Mm	1750	1750	1800	1900	1900	2000		

VFD-30 with

single axle trailer



Guaranteed Data of Processed Oil:

Breakdown Voltage (KV) :75

Appearance : Transparent

Water Content (ppm)

Gas Content (%) :≤01

Filter Fineness (um) :≤5

Mechanical Impurity : None

: No less than unused Kinetic viscosity

oil

:≤4-5



VFD-200 with double axle trailer

DOUBLE-STAGE HIGH VACUUM TRANSFORMER OIL PURIFIER

> Model HVFD

It also can be used to inject the insulating oil into the transformers.

We can provide you with customized muchine solutions to improve the automated process, to inspect the operation, to test the result, to simplify the operation, to design accords to your using environment etc.

Technical Data:

]	te m	Unit	HVFD-30	HVFD-50	HVFD-100	HVFD-150	HVFD-200	HVFD-300		
Flow Ra	te	L/H	1800	3000	6000	9000	12000	18000		
Vacuum Range Mpa			$-0.092 \sim -0.099$							
Max Vacuum Range		Pa	≤ 50							
Working Pressure		Mpa	≤ 0.2							
Temperature Range		℃	45 ~ 80							
Power Supply		V	380V/3P/50Hz (or as needed)							
Working Noise		dB(A		≤ 75		≤ 80				
Heating Power		Kw	30	48	90	120	180	240		
Total Power		Kw	35	54	98	129	189	254		
Weight		Kg	510	650	800	1100	1300	1600		
Size	length	Mm	1400	1500	1800	1900	2000	2100		
	width	Mm	1000	1250	1400	1650	1700	1700		
	height	Mm	1200	1300	1500	1800	1850	2000		



HVFD-50







N S H Transformer Oil Regeneration Systems Model VFD-R

VFD-R regeneration units adopt both physical and chemical methods. They can not only regenerate the aging transformer oil, switch oil but remove the acid, suspending materials and contaminates.

VFD-R regeneration units adopt special adsorbent. They can be normally run without switching off the power and changing the oil of transformer.

After the treatment, the transformer oil will maintain basic ingredients and antioxidation capacity to meet the standard of new transformer oil. Meanwhile, the VFD-R regeneration units can keep the power equipments insulating and safe by consuming only 90% maintenance cost.





After the treatment, performance of transformer oil can achieve the below specifications:

- + Breakdown voltage ≥ 75 KV
- + Flash point(close) ≥ 140 °C
- + Soluble acid PH value = 5~7
- + Dielectric loss tangent tg(90°C)% ≤ 0.002
- + Acid value ≤ 0.01mgKoH/g





Standard Models:

VF Single-Stage Vacuum Purifier

VFD Double-Stage Vacuum Purifier

HVFD Double-Stage High Vacuum Purifier

Configuration Options:

Stationary

Mobile with castor wheels

Steel Shield with castor wheels

Mobile with trailer

Mobile with trailer and steel shield cover

Machine Options:

Explosion-proof Type

Automation Type /PLC Type

Regeneration Type

Corollary Equipment of Power Plant

VS - Vacuum Pump Set (Air Evacuating)

AD - Air drying system

LF - Oil Flushing System

DOF - Duplex Oil Filtration System

DPC S - Oil Lubricating Station

CPPA - Centrifugal Separator



Stationary



Mebile with castor wheels



Mobile with trailer



Steel shield with castor wheels



Single axle trailer with



Double aide trailer with

cover



Autemation with PLC











sinonsh96@sino-purification.com



Turnkey Solutions

- Commissioning
- Training
- Customer service
- Spares
- Instruments
- Technical support and schemes

Our Clients



SINO-NSH OIL PURIFIER MANUFACTURE CO., LTD.

Office: Hongding International 15 floor, Jiangbei District Factory: CW Av., SD Industrial Zone, Shapingba District Chongqing, 400020 China

Tel.: 0086 23 67725736; Fax: 0086 23 67725653 Email: sinonsh96@sino-purification.com; sinonsh116@sino-purification.com; sinonsh96@gmail.com

Skype ID: evychen517

NSH Website: www.nshpurifiers.com
Product Lists: http://nshoilpurifier.weebly.com/