



Vacuum Transformer Oil Purifier



- ***Efficient degassing/dehydration system***
- ***High precision filtering system***
- ***High quality components***
- ***Significant cost saving***

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Sino-NSH Oil Purifier Manufacture Co., Ltd. is a high-tech company which is engaged in researching, developing and manufacturing purification equipments. Its parent company, Sino-NSH High-Tech Company, was established in 1992.

NSH regards technical innovation and all-round service as its philosophy. Taking advantage of human resources capital and absorbing domestic and foreign advanced purification technology, NSH is committed in making purification equipments. NSH has been authorized the ISO9001 Quality Management System Certificate and becomes the main manufacture base of purification machines in China.

NSH oil purification equipment series are extensively used in the fields of electric power, petroleum, natural gas, mechanical manufacture, steel, metallurgy, railway and aviation, etc. The main products covering 100 kinds of products in 6 series can meet different needs of customers. For special demands of customers, we offer particular solutions. Nowadays, the company's sales network covers all the provinces in China and exports to more than ten countries around the world.

NSH products earn its fame on high quality, advanced technology and excellent service in both domestic and foreign markets. NSH products are not only able to lower customers' cost and secure risk effectively, but also solve the problem of the waste-oil-contaminate environment.



Lubrication Oil Purifier

VFD Vacuum Insulation Oil Series
 VF - Single-Stage Vacuum Type
 VFD - Double-Stage Vacuum Type
 HVFD - Double-Stage High Vacuum Type
 VFD-R - Double-Stage Vacuum Regeneration Plant

TF Vacuum Turbine Oil Series
 TF - Vacuum Type
 TC - Centrifugal Combine Type

CPPA Lubrication Oil Centrifugal

LV Multifunctional Lubrication Oil Purifier

GER Engine Oil Regeneration System

FV Flame-resistant Oil Purifier

Corollary Equipment of Power Plant

CPPA Oil Centrifugal Separator

VS Vacuum Pump Set (Air Evacuating)

AD Air Drying System

LF Oil Flushing Plant

DOF Duplex Oil Filtration System

DPCS Oil Lubricating Station

DOF Duplex Oil Filtration System

Machine Types

Explosion-proof Type

Automation Type /PLC Type

Regeneration Type

Steel Shield Type

Trailer Type

Trailer with Shield Type



Our vision is to be a first class company in the world. We are working hard to pursue it step by step.

Go to www.sino-purification.com for details



Features

User-friendly design with simple operation

- Oil vacuum injection
- Transformer drying
- Online working
- 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
- Multi-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

Tech Data

Item		Unit	Terms					
Machine Index	Flow Rate	L/H	1800	3000	6000	9000	12000	18000
	Vacuum Range	Mpa	-0.092 ~ -0.099					
	Max Vacuum	Pa	≤ 50					
	Working Pressure	Mpa	≤ 0.2					
	Temperature	°C	45 ~ 80					
	Power Supply	V	380V/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
Oil Index after Purify	Breakdown	KV	75					
	Appearance	-	Transparant					
	Water Content	ppm	≤ 4					
	Gas Content	%	≤ 0.1					
	Filter Fineness	um	≤ 5					
	Mechanical	-	None					
Kinetic viscosity	-	No less than unused oil						



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
DPCS - Oil Lubricating Station
CPPA - Centrifugal Separator



Stationary



Mobile with castor wheels



Mobile with trailer



Steel shield with castor wheels



Single axle trailer with cover



Double axle trailer with cover



Automation with PLC



VS



AD



DPCS



DOF



CPPA

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 contaminants.

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 anti-oxidation 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 $\text{tg}(90^\circ\text{C})\% \leq 0.002$
- + Acid value $\leq 0.01\text{mgKOH/g}$





Turnkey Solutions

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

Our Clients



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Product Lists: <http://nshoilpurifier.weebly.com/>