

**DOUBLE-STAGE HIGH-EFFICIENCY VACUUM OIL FILTER**

Original Design

12 months warranty



Double-stage Vacuum Transformer Oil Purifier  
SINO-NSH OIL PURIFIER MANUFACTURE CO.,LTD

**NSH**

[www.nshoilpurifier.com](http://www.nshoilpurifier.com)

**I.Application**

NSH VFD series is mainly used to improve the properties of insulation oil. It can remove trace water, gas, particulate matters etc. from the insulating oil effectively and rapidly so as to boost performance of transformers, circuit breakers, mutual inductors, cable and capacitors which has insulation system. VFD series specialize in purifying branded oil, insulating oil of high voltage and super high voltage transformer. Additionally, it is suitable for treating low viscosity lubrication oil.

**II.Description**

NSH VFD series utilizes coacervation technology, coalescing technology, separating technology and refined purification technology. Comparing to Model VF series, it add ROOTS Vacuum system, second stage of separating system to improve the effect of purification. To remove free, soluble water, carbon, free and dissolved gases and particulate matters from insulating oil effectively and rapidly.



### III.Features

- 1.Effective and efficient Dehydration(Degassing) System.
- 2.High precision Filtering System.
- 3.Powerful double stages Vacuum System.
- 4.Electrical apparatus Controlling System.
- 5.High quality components.
- 6.Diverse design in the structures and functions.

### IV.Available Style

- 1.Fixing type,mobile type with four wheels and mobile type with trailer.
- 2.Normal appearance type,shelf-covering type and explosion-proof type.
- 3.Avaliable in different color.

### V.Technical Specification

| Item                | 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        | Mpa    | -0.092 ~ -0.099          |        |         |         |         |         |      |
| Working Pressure    | Mpa    | ≤0.2                     |        |         |         |         |         |      |
| Max Vacuum Range    | Pa     | ≤50                      |        |         |         |         |         |      |
| Temperature Range   | ℃      | 45 ~ 65                  |        |         |         |         |         |      |
| Breakdown Voltage   | Kv     | ≥75                      |        |         |         |         |         |      |
| Impurity Size       | μm     | ≤5                       |        |         |         |         |         |      |
| Dielectric Loss     | Tg     | ≤0.005                   |        |         |         |         |         |      |
| Interfacial Tension | mn/m   | ≥40                      |        |         |         |         |         |      |
| Water Content       | PPM    | ≤4                       |        |         |         |         |         |      |
| Gas Content         | %      | ≤0.1                     |        |         |         |         |         |      |
| Power Supply        |        | 380V/50Hz (or as needed) |        |         |         |         |         |      |
| Working Noise       | dB(A)  | ≤72                      |        |         | ≤78     |         |         |      |
| Heating Power       | Kw     | 30                       | 48     | 90      | 120     | 180     | 240     |      |
| Total Power         | Kw     | 35                       | 54     | 98      | 129     | 189     | 254     |      |
| Pipeline Diameter   | mm     | DN25                     | DN32   | DN40    | DN50    | DN65    | DN65    |      |
| Net Weight          | Kg     | 550                      | 850    | 1100    | 1400    | 1600    | 2200    |      |
| Size                | length | mm                       | 1500   | 1500    | 1900    | 2100    | 2100    | 2600 |
|                     | width  | mm                       | 1200   | 1200    | 1400    | 1550    | 1550    | 1800 |
|                     | high   | mm                       | 1750   | 1750    | 1800    | 1900    | 1900    | 2000 |

**PLEASE FEEL FREE TO CONTACT US FOR MORE INFORMATION !**

**Address: No.11-11, East Jianxin Road 36#, JiangBei District, Chongqing P.R.C**

**Tel: 0086-23-67725736 Fax: 0086-23-67725653 Zip: 400021**

**Email: [sinonsh123@sino-purification.com](mailto:sinonsh123@sino-purification.com)**

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