



JY Series Vacuum Insulating Oil Purifier

Application:

JY Series Vacuum Insulating Oil Purifiers are widely used for industries of power plant, power station, electricity company, railway, petrochemical, metallurgy and transformers manufacturing etc. It applies to purification operation of insulating oil such as unqualified transformer oil, mutual inductor oil, circuit breaker oil, capacitor oil, cable oil and high voltage switch oil etc to remove water, gas and mechanical impurities and improve flash point and dielectric strength of the insulating oil. The machine can be working to treat unqualified transformer oil online without power-off and machine-stop, no need to change oil, no filter paper and transformer on-load. It can be also used for vacuum oil filling and electric equipment vacuum drying as well as transformer vacuum evacuation operation.

Advantages:

- Unique high efficiency dehydration and degassing system which adopts large area three-dimensional flash evaporation technique to remove water and gas in the oil.

- Precise filtration system, high-quality filtering elements and multi-stage filtration with gradual precision can help to remove mechanical impurities from the oil effectively. While the filters are with self-inspection function for the pollutant-containing status.

- The heating system adopts the most optimized pipeline design to ensure even heating and stable oil temperature.

- Equipped with automatic temperature control system, automatic liquid-level control system, automatic defoaming control system, automatic pressure protection system and high quality main components to ensure operation of the equipment with high reliability and perfect performance.

- The machine supports on-line operation without supervision with indicators to show operation status.

- With electrical control inter-lock design. Vacuum system, oil pump system and heating system are interlocked in control to avoid bad effect of wrong operation.

- Equipped with indication for changing filters and automatic stop device for overloaded filters.

- Equipped with emergency stop for electric leakage and power overload to protect the motor.

- With phase-sequence, phase lose protection function and safety control for sudden shut-down.

Optional Design Modes:

- PLC intelligent control with touch screen operation and operation status dynamic display.

- Online moisture tester and online particle counter.

- The whole structure of the machine: mobile style with four wheels, fixed style, mobile style with trailer(double axles or single axle), fully enclosed style, conceal eaves type and open style of canvas etc.



Technical Specification:

| Item | Name | Unit | LS-JY-20 | LS-JY-30 | LS-JY-50 | LS-JY-100 | LS-JY-150 | LS-JY-200 | LS-JY-300 | LS-JY-500 |
|-----------------------------|-------------------------|-------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| Technical Parameter | Flow | L/H | 1200 | 1800 | 3000 | 6000 | 9000 | 12000 | 18000 | 30000 |
| | Operating Vacuum Degree | MPa | -0.08 ~ -0.098 | | | | | | | |
| | Working Pressure | Mpa | ≤ 0.5 | | | | | | | |
| | Temperature Range | °C | 20~70 | | | | | | | |
| | Power Supply | V | 380V/50Hz (or at user's option) | | | | | | | |
| | Working Noise | dB(A) | ≤ 70 | | | | | | | |
| | Total Power | kW | 24+3 | 24+3 | 30+5 | 40+5 | 72+7 | 90+7 | 120+10 | 135+11.5 |
| | Pipeline Diameter | mm | 25 | 25 | 32 | 40 | 50 | 50 | 65 | 80 |
| | Net Weight | Kg | 400 | 450 | 500 | 700 | 850 | 1000 | 1200 | 1800 |
| Overall Dimensions | cm | 105×120×160 | 105×120×160 | 110×130×170 | 125×145×190 | 160×165×218 | 175×165×218 | 190×170×220 | 215×200×230 | |
| Oil Quality After Treatment | Water Content | PPm | ≤ 10 (GB/T7600) | | | | | | | |
| | Gas Content | % | ≤ 1 (GB/T423) | | | | | | | |
| | Breakdown Voltage | KV | 45~70 (GB/T507) | | | | | | | |
| | Filtration Precision | μm | ≤ 3 | | | | | | | |

■ The dimensions and weight are just for reference and specific please in kind prevail.