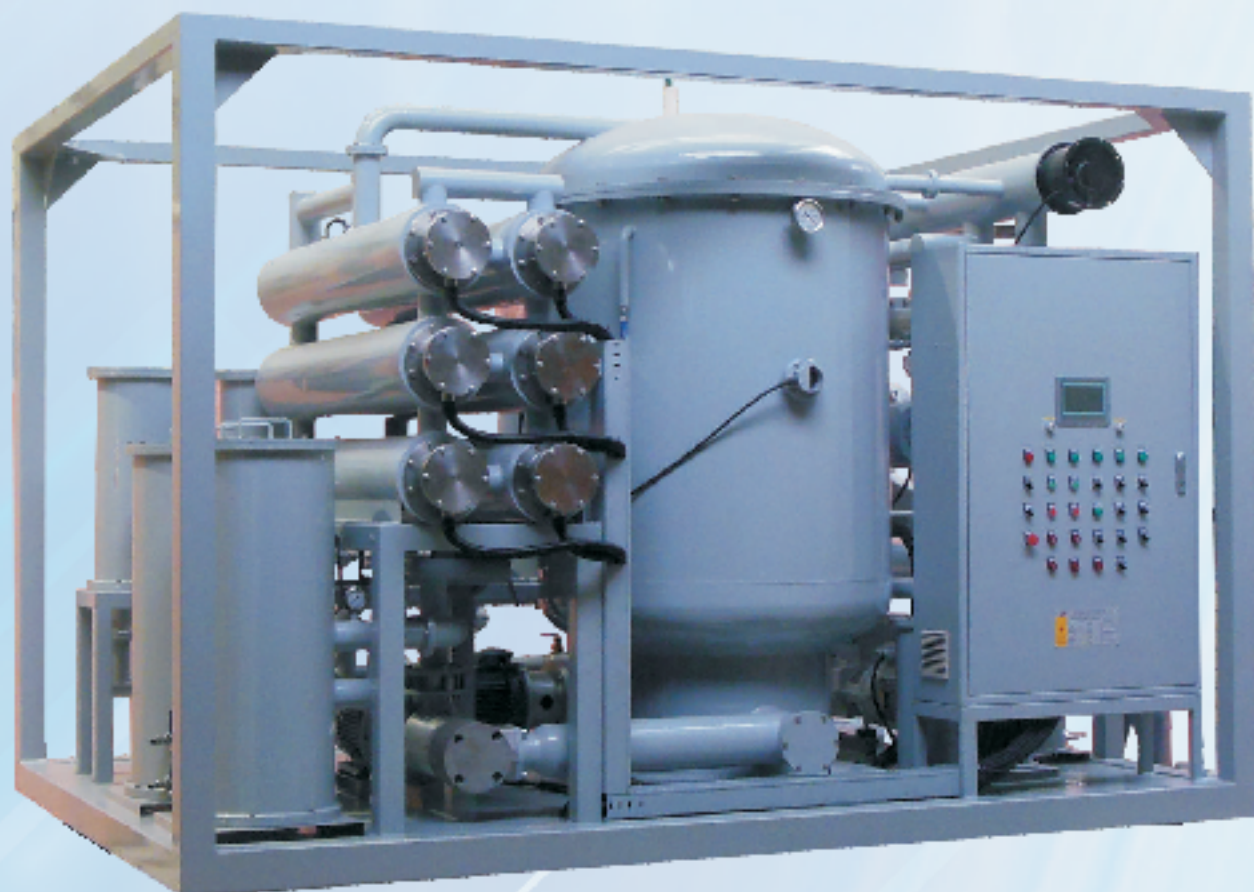


# ZJA-T Series Ultra-high Voltage Double-Stage Vacuum Transformer Oil Purifier



### Application:

ZJA-T Series Ultra-high Voltage Double-Stage Vacuum Transformer Oil Purifiers are especially applied to 500KV, 750KV and 1000KV AC power grid and  $\pm 660KV, \pm 800KV$  DC power grid for the insulating oil treatment and maintenance. ZJA-T type transformer oil purifiers are very powerful in abilities of vacuum degassing, dehydration and filtration for insulating oil or transformer oil. They apply to on-site transformer maintenance and deep purification of new transformer oil, imported transformer oil, mutual inductor oil and ultra high voltage transformer oil, can also be used for transformer oil vacuum filling and vacuum drying operation.

### Advantages:

- Advanced double-stage large capacity dehydration and degassing system which adopts large area three-dimensional flash evaporation technique to remove harmful composition in the oil such as water, air, gas and hydrocarbon etc.
- Can be widely used for transformers on-site installation or maintenance to fill oil into transformers and circuit breakers under vacuum condition or conduct transformers evacuation operation.
- 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 conditions.
- Equipped with automatic temperature control system, liquid-level control system, defoaming control system, 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.
- The machine adopts humanization design with low noise, easy operation, long free-maintenance time and energy saving to lower the operation cost.
- With electrical control inter-lock design. Vacuum system, oil pump system and heating system are interlocked in control.
- 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.
- Equipped with vacuuming interface for transformer evacuation operation.
- The outlet can inlet can be interchanged.

### Optional Design Modes:

- PLC intelligent control with touch screen operation and operation status dynamic display.
- Online moisture tester, online particle counter and online flow meter with adding-up function.
- Frequency converter for free adjustment of flow rate
- 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 caves type and open style of canvas etc.



### Technical Specification:

Item	Name	Unit	LS-ZJA-100T	LS-ZJA-150T	LS-ZJA-200T	LS-ZJA-300T	LS-ZJA-400T	LS-ZJA-500T
Technical Parameter	Flow Rate	L/H	6000	9000	12000	18000	24000	30000
	Limit Vacuum Degree	Pa	$\leq 2$					
	Operating Vacuum Degree	Pa	$\leq 50$					
	Working Pressure	Mpa	$\leq 0.5$					
	Temperature Range	℃	20-70					
	Power Supply	V/HZ	380V/50HZ(option)					
	Working Noise	dB(A)	$\leq 70$					
	Total Power	kW	60+6	120+13.5	120+18.5	180+18.5	180+20.5	180+24
	Inlet/Outlet Diameter	mm	40	50	50	65	65	80
	Net Weight	kg	1600	2400	2500	3800	4000	4500
Overall Dimensions	cm	270×200×245	300×210×265	300×210×265	320×230×275	350×245×275	360×245×290	
Oil Quality After Treatment	Breakdown Voltage	KV	$\geq 75$ (GB/T7600)Sphere Gap Method)					
	Water Content	PPm	$< 5$ (GB/T7600)					
	Gas Content	%	$< 0.1$ (GB/T423)					
	Filtration Precision	$\mu m$	$< 0.5$					
	Ethyne	%	0					

■ Above size and weight are for reference only, the specific data shall be subject to its physical object. Oil treatment indicators vary with different configurations.