ZJA Series Two-Stage High Efficiency Vacuum Transformer Oil Purifier

Application:

ZJA Series Two-Stage High Efficiency Vacuum Transformer Oil Purifiers are widely used for industries of power plant, power station, electricity company, transformer factory, metallurgy, petrochemical, mechanical engineering, transportation, railway and transformers manufacturing etc. They especially apply to maintenance of transformers above 110KV and deep purification of high grade new transformer oil, imported transformer oil, mutual inductor oil and ultra high voltage transformer oil, and can be also used for oil vacuum filling and vacuum drying as well as transformer vacuum evacuation operation. Moreover, this series purifiers can work online without stop of transformers.

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 series purifiers support on-line operation without supervision with indicators to show operation status.

● Adopt 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 and 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: mobiles 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-ZJA-30	LS-ZJA-50	LS-ZJA-100	LS-ZJA-150	LS-ZJA-200	LS-ZJA-300	LS-ZJA-500
Technical Parameter	Flow Rate	L/H	1800	3000	6000	9000	12000	18000	30000
	Limit Vacuum Degree	Pa	≤ 5						
	Operating Vacuum Degree	Pa	≤ 80						
	Working Pressure	MPa	≤ 0.5						
	Temperature Range	℃	20~70						
	Power Supply	V/HZ	380V/50Hz (or at user's option)						
	Working Noise	dB(A)	≤ 70						
	Total Power	kW	30+5	40+5	60+6	90+10	120+10	135+15	180+35
	Inlet/Outlet Diameter	mm	25	32	40	50	50	65	80
	Net Weight	kg	650	800	1000	1300	1800	2100	3500
Oil Quality After Treatment	Overall Dimensions	cm	120 ×132 × 165	130 ×140 × 180	154 ×185 ×216	198 ×167 × 215	198 ×167 × 215	310×190×250	340×210×250
	Breakdown Voltage	KV	≥70(GB/T507) (Sphere Gap Method)						
	Water Content	PPm	≤5(GB/T7600)						
	Gas Content	%	≤0.3(GB/T423)						
	Filtration Precision	μm	≤1						
	Ethyne	%	0						

■Above size and weight are for reference only, the specific data shall be subject to its physical object.