OIL PURIFIER

ZJA Series Super HV Double Stage Transformer Oil Purifier

ISO9001 Supplier

Class Certificate

Export Supply

ZJA series ultra high pressure oil double stage vacuum oil filter: This equipment is suitable for the processing of new oil and running oil, especially suitable for 500KV, 750KV, 1000KV AC power grid, 660KV, + ...



Key Highlights

Category	Oil Purifier
Standard	DIN
Material	It uses a composite multistage high beta value of high dirt holding grad...
Weight / Size	It adopts the unique straight vacuum atomization technology, surface cor...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Oil Purifier	**Model / SKU**	ZJA-Series-Super-HV-Double-Stage-Transformer-Oil-Purifier
Standard	DIN	**Material**	It uses a composite multistage high beta value of high dirt holding gradually close the filtration system, line coupling element seal, dirt / net partition, and reasonable fluid pressure release filter design (to avoid local pressure phenomenon, and the matter) polar electrostatic adsorption material, that is not easy to be removed from the body and the negative load positive charge adsorption, achieve charge balance, which is completely off the impurities, can effectively filter the oil in the fine particles of mechanical impurities.
Weight / Size	It adopts the unique straight vacuum atomization technology, surface corrosion distribution of filled type double ring Tracy membrane structure, 6 stage evaporation plate inclined hole around three-dimensional flash dehydration and degassing technology, and greatly increases the oil path, in the system analysis of evaporation area and retention time, so that the oil in the water and gas get enough time to vaporize the best effect of dehydration and degassing.	**Surface**	It adopts the unique straight vacuum atomization technology, surface corrosion distribution of filled type double ring Tracy membrane structure, 6 stage evaporation plate inclined hole around three-dimensional flash dehydration and degassing technology, and greatly increases the oil path, in the system analysis of evaporation area and retention time, so that the oil in the water and gas get enough time to vaporize the best effect of dehydration and degassing.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

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China ZJA Series Super HV Double Stage Transformer Oil Purifier:

ZJA series ultra high pressure oil double stage vacuum oil filter:

This equipment is suitable for the processing of new oil and running oil, especially suitable for 500KV, 750KV, 1000KV AC power grid, 660KV, + 800KV, + 1000KV DC power grid UHV transmission equipment and the main transformer substation. The utility model is also used for the vacuum oiling and drying of the transformer, and can shorten the oil treatment period of the transformer installation and maintenance. Meet the State Grid 1000kV power transformer, oil immersed reactor, transformer construction and acceptance specification (GB 50835-2013).

Technical features:

1. this machine is specially designed for extra high transformer oil, which is suitable for the production, installation and maintenance of 500KV UHV transformer.

U has a double stage high pressure vacuum system with high pumping speed, multi stage vacuum analytical separation system can quickly remove the water, gas, polar substances and other deterioration substances in oil.

2. It adopts the unique straight vacuum atomization technology, surface corrosion distribution of filled type double ring Tracy membrane structure, 6 stage evaporation plate inclined hole around three-dimensional flash dehydration and degassing technology, and greatly increases the oil path, in the system analysis of evaporation area and retention time, so that the oil in the water and gas get enough time to vaporize the best effect of dehydration and degassing. Can quickly and effectively remove the insulation oil in the water and gas, improve the insulation oil pressure to 80KV above, moisture less than 3PPM.

3. The composite high speed spiral degassing Plaza flow structure, independent oil and gas dual channel technology, anti oil and gas separation in two dissolution technology, can quickly remove the oil liquid organic hydrocarbon gas, acetylene, hydrogen content in the oil to ensure zero.

4. This device uses the full infrared photoelectric scanning foam inspection, maintenance free mechanical wire mesh defoaming and internal differential pressure defoaming technology, put an end to the vacuum run oil".

5. It uses a composite multistage high beta value of high dirt holding gradually close the filtration system, line coupling element seal, dirt / net partition, and reasonable fluid pressure release filter design (to avoid local pressure phenomenon, and the matter) polar electrostatic adsorption material, that is not easy to be removed from the body and the negative load positive charge adsorption, achieve charge balance, which is completely off the impurities, can effectively filter the oil in the fine particles of mechanical impurities. The filtration precision (less than NAS2) particle size less than 500/100ml (more than 5 m particles).

6. It used a special table by spiral U type infrared radiation heating to Lepidoptera, grouping the ultra-low surface load, PID temperature control and temperature dual flow protection technology, internal diameter increasing oil flow to the overflow reduction technology, to prevent the "dead area", over temperature and dry burning.

7. The device can handle the insulation strength up to 80KV, the moisture content is less than 3ppm, acetylene (C2H2) hydrogen (H2) is zero. Greatly reduce oil purification time, save manpower and material costs.

8. the equipment is equipped with on-line temperature monitoring instrument, online pressure detection instrument, online vacuum testing instrument, online liquid level detector. Can understand the situation of oil filter oil and equipment.

Item	单位	ZJA-50	ZJA-100	ZJA-150	ZJA-200	ZJA-250	ZJA-300
Flow Rate	L/min	50	100	150	200	250	300

working vacuum		pa	≤50					
Ultimate vacuum		pa	≤2					
working Preuusre		Mpa	≤0.4					
Constant temperature control range		℃	20 ~ 80					
power		/	380V/50HZ					
noise db(A)		dB(A)	≤65 ~ 80					
Fult-free working hours		h	≥4000					
continuous hours		h	≥150					
Heating power		Kw	30	72	96	144	168	192
Total Power		Kw	35	80	105	155	182	210
Inlet(outlet) diameter		mm	Φ32	Φ42	Φ50	Φ50	Φ60	Φ60
weight		kg	850	1000	1350	1850	2200	2500
After filteration	breakdown voltage	KV	≥80					
	water content	ppm	≤3					
	Dielectric loss	tgδ (90℃) %	≤0.3					
	acid value	mgKOH/g	≤0.03					
	gas content	%	≤0.1					
	granularity	颗/100ml	≤900 (≥5μm)					