

Transformer Oil Purifier

High Efficiency Wide Surface Area of Filtration ISO:9001 Certificate

// The user can customize according to the actual working conditions //

- Oil and Gas,Power Generation
- Steel Industry, Mining
- Automotive, Mechanical industry

Product Description Equipment performance Product Advantages Technical parameters Product Details Customer Cases

Product Description

The Transformer Oil Purifier is designed according to the different boiling points of water and oil. It consists of a vacuum heating tank fine filter, a condenser, a prefilter, a water tank, an empty pump and an oil drain pump and an electrical cabinet. The empty pump draws out the air in the vacuum tank to form a vacuum. Under the action of atmospheric pressure, the external oil enters the primary filter through the inlet pipe to remove larger particles, and then enters the heating tank. After heating, the oil of 40-75C passes through. Automatic oil float valve, this valve is to automatically control the balance of oil in and out of the vacuum tank. The heated oil is separated into a semi-mist by the rapid rotation of the jet wing, and the water in the oil is rapidly evaporated into water vapor and continuously sucked into the condenser by the vacuum pump. The water vapor entering the condenser is cooled and then returned to the original water and released. The oil in the vacuum heating tank is discharged into the fine filter by the oil discharge pump to filter out the particulate impurities through the oil filter paper or filter element, so as to complete the vacuum oil filter quickly. The whole process of removing impurities, moisture and gas in the oil makes the clean oil drain out of the machine from the oil outlet.

INQUIRY



Applications Oil and Gas, Power Generation, Steel Industry, Mining, Automotive, Mechanical Industry

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Equipment performance

- Vacuum system:** It consists of vacuum tank, vacuum pump, condensation tank, liquid accumulation tank and air supply system. The optimized structure design greatly increases the surface area of the oil in the vacuum system, and maximizes the travel of the oil in the vacuum system, so that the moisture and gas in the oil can be fully overflowed. This machine adopts an advanced defoaming system, so that the oil purifier will never appear the phenomenon of oil injection commonly seen in similar products when it is working.
- Filtration system:** Three-stage filtration is adopted, and the oil suction port coarse filter protects the oil pump and prolongs the service life of the main filter. There are two-stage fine filter behind the pump, so that the oil can quickly reach a high degree of cleanliness. The filter material is made of special graded pore glass fiber material, which can filter particles of different particle sizes in layers, which greatly improves the service life of the filter element. It has a perfect filter element structure, which can effectively reduce the surface flow rate of the filter material and obtain stable filtration accuracy.
- Heating system:** It adopts stage-by-stage heating, the surface heat load is less than 1.0W/cm², and the oil will not be deteriorated due to overheating. The oil temperature can be adjusted arbitrarily from 0 to 100°C, automatically controlled, and equipped with a protection device. When the oil intake is too small, it will automatically stop working to avoid damage to the heater caused by dry burning.
- Automatic control system:** This machine adopts a series of automatic control instruments such as frequency converter, liquid level transmitter, temperature sensor, and vacuum sensor to collect various information about the operation of the equipment, and hand it over to the central processor for processing. Automatically control the operation of the entire equipment and monitor the operation status of the equipment. The machine is equipped with various protection devices (overload protection, overvoltage protection, phase sequence protection, abnormal operation shutdown protection), which can ensure the safe operation of the equipment.
- Whole machine structure:** The whole machine-integrated bridge structure reduces the volume. The overall removable oil tank is used to ensure oil-free operation on the ground and reduce environmental pollution. There are mobile, fixed, fully enclosed, vehicle-mounted and other models to choose from.


Product Advantages

Simple


Simple.
The oil purifier includes a special gear pump driven by a motor, which has the characteristics of low noise, strong self-priming ability and stable operation.



The oil suction P coarse filter protects the oil pump and prolongs the service life of the main filter.



Adopt thermal relay protection to prevent motor damage caused by motor overload.



filter new oil
Fill with new oil and filter
Purify the oil in use
Bypass Filtration of Hydraulic Lubrication System Operation.

Technical parameters

Model	ZLYC-25-1"™	ZLYC-32-1"™	ZLYC-50-1"™	ZLYC-100-1"™	ZLYC-150-1"™	ZLYC-200-1"™
Rated flow(L/min)	25	32	50	100	150	200
Rated pressure(MPa)	0.8					
Rated vacuum	≤-0.095					
PPM water content after filtration(ppm)	5-30					
air content after filtration	≤0.2%					
pre-filter element(μm)	100					
fine filter element(μm)	10, 20					
fine filter element(μm)	3, 5					
Voltage(V)	AC 380V Three-phase power					
Motor Power(kw)	18	26	36	65	65	135
Weight(kg)	380	470	680	940	980	1500
Dimensions(mm)	1250*920*1600	1350*980*1400	1500*1060*1800	1600*1080*2100	1800*1200*2200	2000*1200*2200


CATALOG

VIDEO


Product Details




Customer Cases



Oil filter site of a steel plant in Hebei
Product: coalescence dehydration oil filter



Oil filter of an automobile company in Shanxi
Product: high precision oil filter



Machinery industry, oil filter, filtration site
Product: box type oil filter

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