

# ZYE 系列 双级低温真空滤油机

ZYE Double Stage Low Temperature Vacuum Oil Purifier

## 技术特点:

- (1) 本机采用低温真空解析技术(专利技术),在不需要对油液进行加热的情况下对油液的水分、气体进行解析蒸发脱出。改变传统需要加热才能脱水而提高耐压的工艺,与传统相同滤油机相比节约85%的用电能耗。
- (2) 低温真空解析技术不但具有脱水、脱气、提高耐压的功能外,还解决了传统需要加热才能脱水而提高耐压所引起介损增高的问题。
- (3) 滤除杂质能力强。采用具有复合微孔结构的过滤材质,耐腐蚀耐高温,机械强度高,使用寿命长,能深层次的滤除油中的细微颗粒。
- (4) 该设备采用绝缘油专用油泵,彻底解决了噪音和流量受真空与液位影响的问题。调试结果表明,油泵噪音低于真空泵噪音,具检测噪音为70分贝以下(整机)。
- (5) 本机设有完善的保护装置。通过各执行原件本机对温度、压力、真空度、停电、超压、欠压(三位一体保护)等实施全面保护,能有效防止事故发生,保证设备正常运行。

## 用 途:

本设备适用于新油、运行油的处理,尤其适用于35KV以上大型输变电压设备及国家主变电网上使用。能缩短变压器安装和检修的油处理工期。



## Technical Feature:

- (1) The machine use low temperature vacuum analytical technology (patented technology). It could separate the moisture, gas from the oil without heating, which has changed the old way to heating the oil and separate them, and could save 85% electric energy compare to other vacuum oil purifier.
- (2) The low temperature vacuum analytical technology not only degas, dewater and improve the break-down voltage, but also solve the problem that increase the medium consumption with heating to remove the water and improve the break-down voltage.
- (3) Strong capacity to remove the impurities. The machine use the Microporous Structure of Compound filtration material, anticorrosion and anti-high temperature, good quality, long life to use, could completely remove the very small impurities.
- (4) The machine use the insulation oil pump, completely solve the noise and flow problems according to the vacuum and oil level. Depend on the test result, the noise of the machine is under 70BA.
- (5) The machine with tow which can protection system, to protect the machine from the temperature, pressure, vacuum, power off, over voltage, lack voltage and so on through the different components.

## Use:

To be used for treatment to new oil, working oil, particularly applicable to 35KV power distribution system and the national grid, shortening the oil treating duration during installation and maintenance of transformer.

指标名称 Items	单位 Unit	ZYE-50	ZYE-100	ZYE-150	ZYE-200	ZYE-250	ZYE-300
流量 Flow rate	L/min	50	100	150	200	250	300
工作真空 Vacuum Range	Pa	≤133					
极限真空 Working Pressure	pa	≤5					
工作压力 Working Pressure	Mpa	≤0.4					
电源 Power Supply	/	380V 50HZ (或根据用户需要 or at user's option)					
噪音 Noise dB	dB(A)	≤70 (视配置而定 depend on user's requirement)					
无故障工作时间 Fault-Free Working Hours	h	≥4000					
连续工作时间 Continuous Running Hours	h	≥150					
总电功率 Total Power	Kw	4	8	10	12	15	16
进(出)口管径 Inlet (Outlet) Diameter	mm	Φ32	Φ42	Φ50	Φ50	Φ60	Φ60
设备重量 Weight	kg	550	870	950	1250	1850	2100
滤后指标 Index After Filtration	击穿电压 Breakdown Voltage	KV	≥75				
	含水量 Water Content	ppm	≤5				
	介质损耗 Medium Consumption	tg δ (90℃) %	≤0.3				
	酸值 Acid Value	mgKOH/g	≤0.03				
	含气量 Gas content	%	≤0.1				
	过滤精度 Particles	μ	≤3 (可根据客户要求 or at user's option)				