



## Tongrui ZJD Lubrication Oil Recovery Equipment



### Application:

The machine widely suitable for electric power, metallurgy, mine, machinery, chemical industry, transportation, manufacture and food industry etc. and it is particularly used to recover and regenerate all kinds of high precision lubricating oil, including unqualified hydraulic oil, refrigerator oil, pressure dissolving machine oil, gear oil, heat treatment oil anti-rubbing hydraulic oil and so on.

Our products involve in ZJA Series High Efficiency Double Stage Vacuum Insulation Oil Purifier, ZJB\ZJB-T Series High Efficiency Vacuum Oil Purifier, ZJC Series Turbine Oil Purifier, ZJD Series Hydraulic&Lubrication Oil Purifier, ZJL Series Fire-resistant Oil Purifier, YL Series Portable Exclusive Use Oiling Machine and NRY Engine Oil Purifier etc. our machines cover more than 100 kinds of products in 10 series and can meet different needs of customers. We can offer different settle blueprint according to customers' special requirement to confirm safety production and decrease cost.

### Features:

- ◆ Effectively remove the iron, flake, dust, impurities, water and organic substance from the inferior oil. Moreover, it can eliminate organic and inorganic acid to recover the performance of hydraulic oil.



- ◆ Strong demulsifying capability, which could easy to separate the massive moisture contents, also easy to get rid of the little tiny water from oil.
- ◆ Adopt high precision and stainless steel FH rectangle filtration system that import from Japan.
- ◆ Utilize Tongrui's own invented technology of H, P, M macromolecule material, which can reduce 1 or 2 color code of oil, the color will become the golden color after treatment(just like right picture), and especially fit to high viscosity lubricant oil, freezing machine oil, hydraulic oil and gear oil etc.

### **Guarantees & Documentation:**

TONGRUI Warrant the plant supplied under this specification against defects in material and workmanship under normal use and service for a period of sixteen (16) months from date of shipment or twelve (12) months after the start up of the system. TONGRUI obligation under this warranty is limited to repairing or furnishing, without charge F.O.B. point of manufacture, a similar part to replace any part, which was proven to be defective within warranty period. TONGRUI shall not in any event be held responsible for any indirect or consequential damages. The performance guarantee will be within limitations as detailed in duty & performance paragraph of this specification.

Two(2) copies of operating & maintenance manuals are supplied with each purifier. This system are designed to operate with the utmost simplicity and is required, please contact TONGRUI for additional charges.

### **Working principe& flow chart:**

#### 1, Working principle

When the oil purification starts, firstly contaminated oil enter into heater, secondly flowed into pre-filter under the difference pressure, in which the large impurities are removed. Thirdly oil goes into intermediate filter. Fourthly oil flow into water separator, the water separator adopts a special skill which changes the change the impaction of oil and water to speed up trace water and coagulate big water which is separated from oil and stored in water content. After that, oil passes through the fine filter and fine particles of matters is removed during the process. Finally oil flows into vacuum pump which use stereo-evaporation removing residual trace of water and steam is condensed in the condenser or expelled out by the vacuum system. the oil was transported out by oil pump. The purification process has finished.

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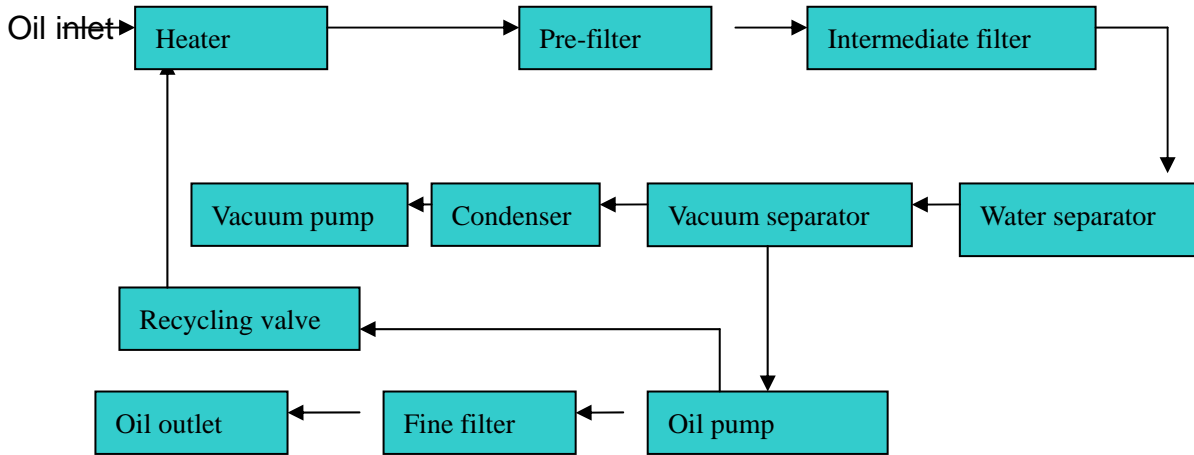
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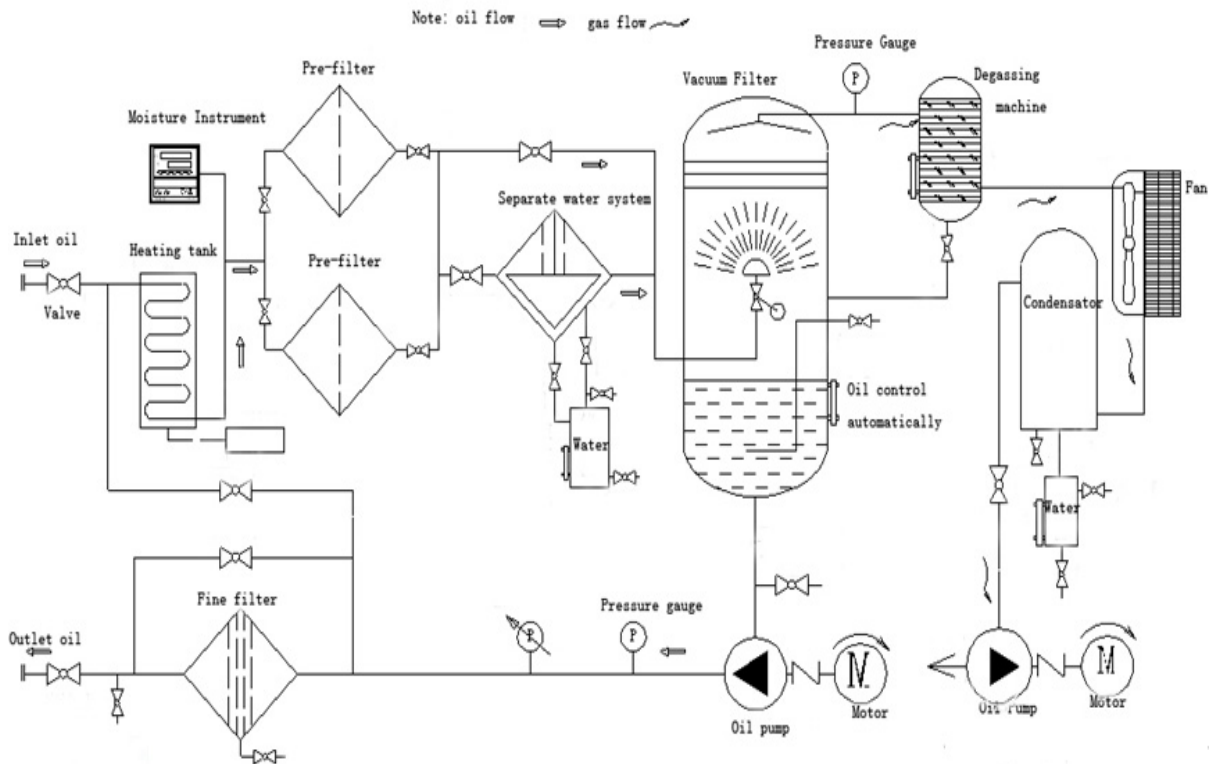
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## 2. Flow chart



## 3. Structure





## 3. Technical Parameter

Index name	Unit	ZJD-10	ZJD-20	ZJD-30	ZJD-50	ZJD-75	ZJD-100	ZJD-150	ZJD-200
Flow rate	L/H	600	1200	1800	3000	4500	6000	9000	12000
Vacuum degree	Mpa	-0.06 ~ -0.095							
Working pressure	Mpa	≤0.4							
Temperature range	℃	0 ~ 100							
Power supply	PPm	≤100							
Cleanness	NAS	≤6(Class)							
Power Supply		380V/50HZ (can be designed based on user's requirement)							
Noise	dB(A)	≤75	≤75	≤75	≤78	≤78	≤78	≤80	≤82
Demulsifying Value	min	New oil≤8,Operating oil≤15							
Heating Power	kw	36	40	45	72	80	90	120	135
Total Power	Kw	38	42	47	75	87	101	135	147
Diameter of inlet&outlet	mm	25	25	25	32	42	50	50	60
Wight	Kg	450	550	600	750	850	1000	1200	1500

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## Our products as follows :

1. Insulating oil purifier
  - 1.1. Series ZJB: Tongrui vacuum insulation oil purifier
  - 1.2. Series ZJB-A: Tongrui Vacuum insulation oil automation purifier
  - 1.3. Series ZJB-R: Tongrui vacuum insulation oil regeneration purifier
  - 1.4. Series ZJA: Tongrui Double-stage vacuum insulation oil purifier
  - 1.5. Series ZJA-A: Tongrui double-stage vacuum insulation oil automation p
  - 1.6. Series ZJA-R: Tongrui double-stage vacuum insulation oil regeneration
  - 1.7. Series ZJA-M: Tongrui Mobile Type Transformer Oil Purification Plant, O
  
2. Turbine oil purifier
  - 2.1. Series ZJC: Tongrui vacuum turbine oil purifier
  - 2.2. Series ZJC-R: Tongrui vacuum turbine oil regeneration purifier
  - 2.3. Series ZJC-A: Tongrui vacuum turbine oil automation purifier
  
3. Lubricating oil purifier
  - 3.1. Series ZJD: Tongrui vacuum hydraulic & lubricating oil purifier
  - 3.2. Series ZJD-R: Tongrui vacuum lubricating oil regeneration purifier
  - 3.3. Series ZJD-M: Tongrui vacuum lubrication oil automation purifier
  - 3.4. Series ZJD-F: Tongrui Oil Purifier for Fuel oil, Light oil and Vegetable oil
  
4. Portable Mini Oil Purifier and Oiling Purifier
  - 4.1. Series YL Tongrui Portable Mini Oil Purifier and Oiling Purifier
  - 4.2. Series YL-V Tongrui Vegetable Oil Purifier
  
5. Engine oil purifier
  - 5.1. Series NRC Tongrui engine oil purifier
  - 5.2. Series NRF Tongrui engine oil recycling plant
  - 5.3. Series NRY Tongrui engine oil recycling plant

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