



## 重庆阳江机械制造有限公司

Chongqing Yangjiang Machine Manufacturing Co., LTD  
NO 75, Tianma Road, Shapingba district, Chongqing, China

Tel: 0086-23- 65770714 cell: 0086-18602394469 E-mail: cnoilrecycling@gmail.com

# RZL Vacuum Hydraulic Oil Purifier

## Superiority:

This machine is mainly used to deal with the machine lubricant oil like the hydraulic oil, gear oil, machine oil, etc. It can separate the water and impurities, and used as the lubricant oil again. After cyclic treatment, the water content in the oil is just 5-10um, the impurities bigger than 1-5um will be removed. Some special type of oil can be dewatered and filtered also, like the black oil, fuel oil, conditioning oil, mineral oil, cooling oil, etc.



## 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 lubricant oil.

- ◆ Strong demulsifying capability, which could easily 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 imports from Japan.
- ◆ Utilize YANGJIANG's own invented technology of H, P, M macromolecule material, which can reduce 1 or 2 color codes of oil, and especially fit to high viscosity lubricant oil, freezing machine oil, hydraulic oil and gear oil etc.

## Working principle:



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

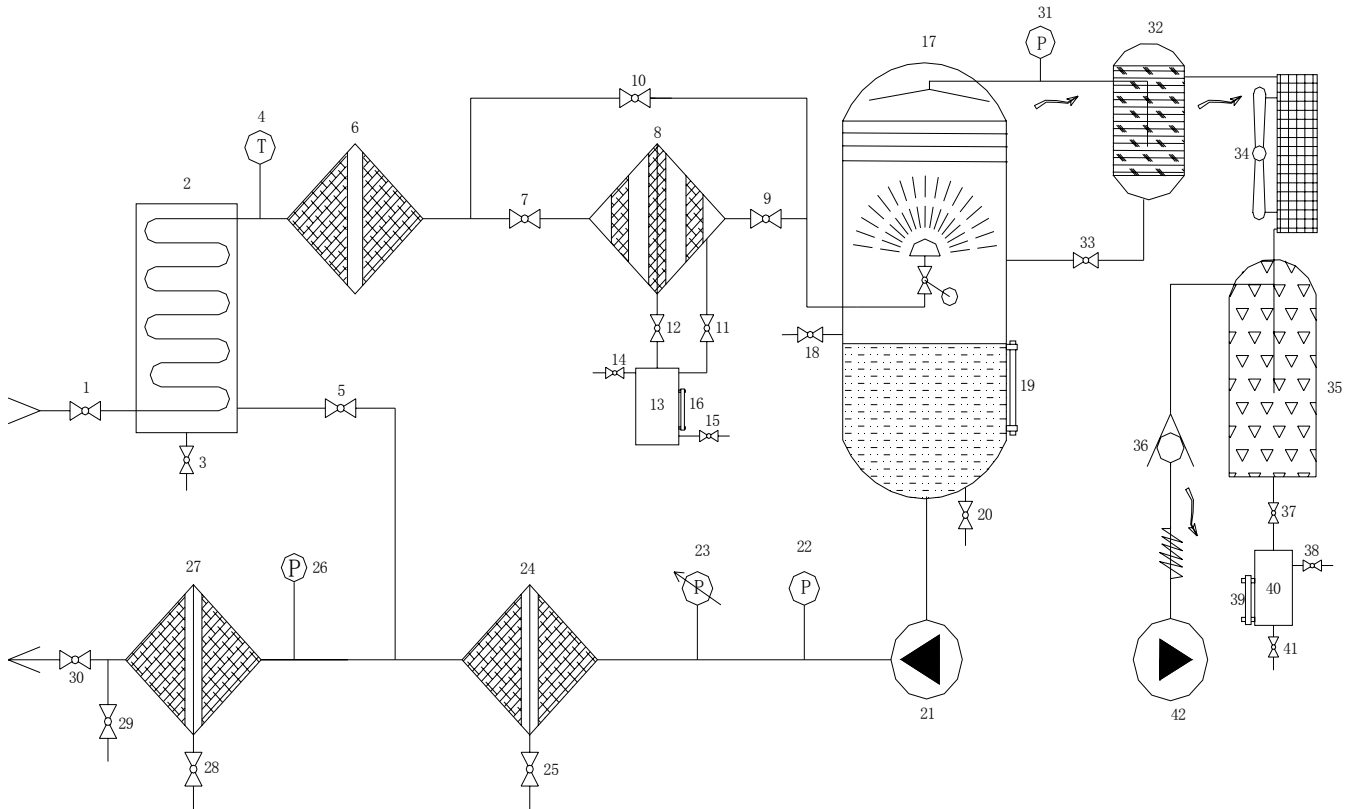
# Specification list of RZL lubricant oil purifier

Index	Unit	RZL-6	RZL-10	RZL-20	RZL-30	RZL-50	RZL-75	RZL	RZL	RZL
								-100	-150	-200
Flow rate	L/H	360	600	1200	1800	3000	4500	6000	9000	12000
Vacuum degree	Mpa	-0.06 ~ -0.095								
Pressure	Mpa	≤0.4								
Temperature	℃	0 ~ 100								
Water content	PPm	≤100								
Clean degree	NAS	≤6 级								
Filter precision	Um	3-10								
Electricity	--	380V/50Hz								
Demulsifying	min	≤15min								
Noise	dB(A)	≤75			≤78			≤80		≤82
Heating power	kW	9	36	40	45	72	80	90	120	135
Total power	kW	11	38	42	47	75	87	101	135	147
Pipe size	mm	15	25	25	25	32	42	50	50	60
Weight	Kg	380	450	550	600	750	850	1000	1200	1500

## Guarantees & Documentation:

Yangjiang 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. Yangjiang 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. we 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 SMC for additional charges.



- 1.oil inlet valve 2.heater 3、 15、 20、 25、 28、 41.contamination valve
- 4.temperature controller 5..circulation valve 6.first filter
- 7.oil inlet valve on water seperator 8.water seperator
- 9.oil outlet valve on water seperator 10.by-pass valve 11、 12、 37.partition valve
- 13.water tank 14、 38.Infiltration valves 16、 19、 39.liquid level gauge
- 17.vacuum seperator 18.gas valve 21.oil pump 22、 26.pressure gauge
- 23.pressure controller 24.secondary filter 27.fine filter 29.sampling valve
- 30.oil outlet valve 31.vacuum gauge 32.foam breaker 33.return valve
- 34.radiator 35.cooler 36.vacuum valve 40.water receiver 42.vacuum pump



Normal model



Whole stainless steel