Double Stage Vacuum Oil Purification

I Parameter

Nominal flow:12000L/h

Net oil capacity:200L/min

Air extraction rate:1080M3/h

Working pressure:≤0.4Mpa

Working oil temperature:40~70° C

Working power:50Hz 380V three-phase three-wire

Heating power:135Kw (adjustable)

Total Work rate:150kw

Operating noise:£75dB (A)

Pipe diameter of inlet/outlet:58/58mm

Shape Size:195×185×215cm

Weight of equipment:1850Kg

II. Product net oil indicators

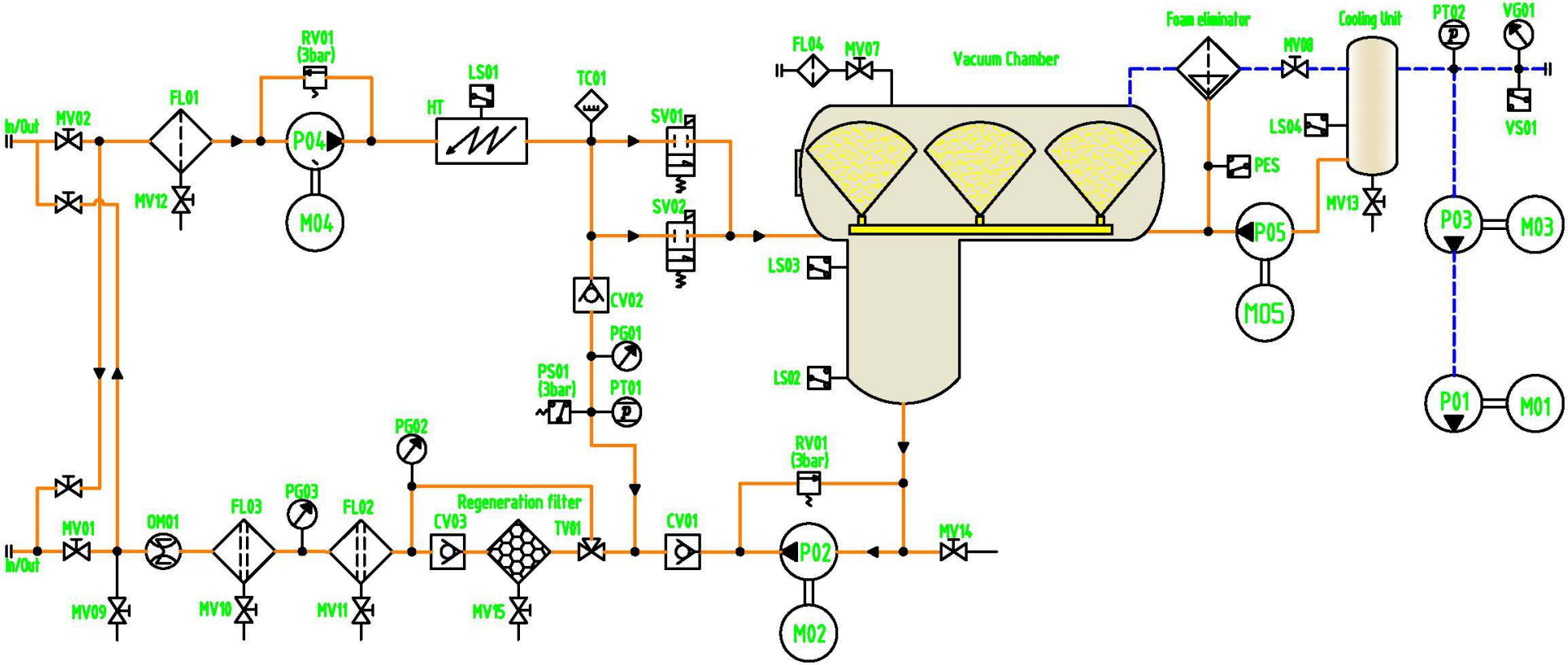
Oil to be treated

1 breakdown voltage 70kv.

2 moisture 5 ppm.

3 Filtering accuracy 1 μ m

III. Diagram



Main Spare Parts

No.	Name	Function	
MV01	Outlet oil valve	Control oil outlet	
MV02	Inlet oil valve	Control oil inlet	
MV03	Outlet oil valve	Control oil outlet	**optional**
MV04	Inlet oil valve	Control oil inlet	**optional**
MV07	Gulp valve	Replenish degassing chamber air when stopping or repairing	
MV08	Vacuum Switch Valve	Switch to vacuum unit mode	
MV09	sample valve	Sampling after oil treatment	
MV10~15	Emptying valve	Empty oil of oil container	
CV01~03	Single direction valve	One-way delivery of oil to prevent return of oil	
FL01	Primary filter	Remove large particles	
FL02	Secondary filter	Remove the impurities above 3μm	
FL03	Third filter	Remove the impurities above 1μm	
FL04	Air filter	Filtered air particle	
SV01	Main oil inlet solenoid valve	Main valve of liquid level	
SV02	Slave oil inlet solenoid valve	Main valve of liquid level	
FS01	Heating liquid level sensor	Collect the liquid level signal of the heater	
FS02	Low liquid level sensor	Collect the signal of low liquid level	
FS03	High liquid level sensor	Collect the signal of high liquid level	

FS04	liquid level sensor	Collect the signal of liquid level	Blowout preventer protection
FS05	liquid level sensor	Collect the signal of liquid level	Blowout preventer protection
PES	Foam level sensor	Collect the signal of foam	Blowout preventer protection
PT01	Vacuum pressure sensor	Collect the signal of vacuum pressure	optional
PT02	Filtration pressure sensor	Collect the signal of filtration pressure	optional
TT01	Temperature sensor	Collect oil temperature signal	
PS01	Pressure switch	High pressure protection of oil chamber	
HT	Heater	heating	
P01	Vacuum pump	Primary vacuum	
P02	Roots pump	secondary vacuum	
P03	oil transfer pump	Drain the oil from the vacuum chamber	
P04	Inlet oil pump	Transfer the oil	optional
Foam	Foam Eliminator	Deducted the foam	
Evaporator	Vacuum separation chamber	Remove water and gas from	optional
OGS	oil and gas separator	Separator gas	
BFE	Booster Defoamer	Pressure the foam into oil	
Buffer	buffer	Temporary Storage of Oil	optional
VG01	vacuum gauge	Display the vacuum of the degassing chamber	optional
PG01	pressure gage	Display filter pressure	

IV.Configurations

	Name	Model	QTY	
1	Screw oil pump	LSF070	1	Nanjing Setema
2	Oil pump motor	Y112-6	1	Chongqing Konte
3	Vacuum pump (200m³ / h)	X-200	1	Shanghai Jiuxin
4	Roots pump (1080m³ / h)	ZJP-300	1	Huaxin Nanguang
5	Coarse filter	A050	1	
6	Primary fine filter	5μ	1	APUDA
7	Secondary fine filter	1μ	1	APUDA
8	Electric heaters	50KW	3	
9	Ball valve		1	Ningbo Emeco
10	The electromagnetic valve	DN32	2	Ningbo Kailing
11	electric		1	Tracy
12	liquid level sensor		5	
13	PLC	CPU224	1	Fuzhou Naite
14	touch screen	Tpc1061(10inch)	1	Beijing Kunlun Tongtai