

Vacuum Transformer Oil Purification Plant Mounted On Trailer



Application

MTP Vacuum Transformer Oil Purification Plant Mounted On Trailer is specially designed for on-line or on-load efficient drying, degassing and purification treatment of transformer insulating oil, especially for HV, EHV and UHV transformers, transmission and distribution equipment, substation etc. It also adopts full enclosed structure with function of weather proof. The Transformer Oil Purification Plant adopts single vacuum system or double stages high vacuum system for vacuum evacuation, and mobile trailer can be carried out on road and off road. The plant can maintain complete cleanness and improve dielectric strength of insulating oil by removing water, gas, particulate impurities, acidic substances and other contaminants, Meanwhile, The Vacuum Transformer oil Purification Plant also can do vacuum drying and vacuum oil-filling for transformers and other electric equipment.

Feature and Performance

- Double axles or single axle trailer with functions of weather proof on road or off road.
- Transformer Dry-Out and Filling capabilities
- High efficiency three stage micro filter elements with capable of removing 99.5% particles as small as 1 micron.
- Overall water content of $\leq 3-5$ PPM By vacuum dehydration to remove free, emulsified and dissolved water.
- Achieving soluble air and gas content of $\leq 0.1\%$
- Achieve ≥ 60 kV per ASTM 877 dielectric strength.
- Online oil purification processing, vacuum drying and vacuum oil-filling for electric equipment.
- Reducing overall operational and maintenance cost of power energy systems.



Technical Specifications

Model	MTP-30	MTP-50	MTP-100	MTP-150	MTP-200	MTP-250	MTP-300
Capacity(L/min)	30	50	100	150	200	250	300
Vacuum level	-0.06~-0.099 Mpa						

Working pressure	≤ 0.4 Mpa							
Temperature range	20 ~ 80°C							
Filtering precision	≤1 micron							
Breakdown voltage	≥ 60KV							
Water content	≤ 3ppm							
Gas content	≤ 0.1%							
Filtering particles	≥ 99.5%							
Power supply	380V, 50HZ, 3PH (or customized)							
Working noise	65 dB							
Heating power (kw)	24	30	60	90	110	130	150	
Total power (kw)	26	32	66	100	120	145	168	
Inlet/outlet(mm)	32	38	50	55	60	65	70	
Purifier Weight (kg)	500	650	900	1100	1500	1800	2000	
Trailer Weight (kg)	250	300	500	550	650	800	900	
Purifier Dimension (mm)	L	1200	1300	1400	1500	1600	1700	1800
	W	1000	1000	1150	1250	1300	1350	1400
	H	1300	1300	1750	1900	1950	2000	2000
Trailer Dimension (mm)	L	2500	2500	2800	2900	3000	3100	3200
	W	1000	1000	1150	1250	1300	1350	1400
	H	1200	1200	1200	1200	1200	1200	1200