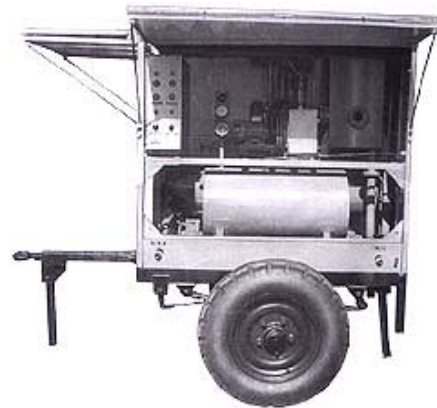




TRANSFORMER OIL FILTRATION PLANTS

FEATURE :

- Break down voltage from 20KV to more than 50KV
- Filtration level up to < 1 micron.
- Moisture contents – from 50-100 PPM to < 5 PPM.
- Gas contents – up to < 0.05% by volume.
- Neutralization value < 0.1 mg of KOH / gm.
- Plants with minimum and easy maintenance.
- Low operating cost due to high vacuum filtration with rotary oil sealed pumps.
- Available in Portable & Mobile versions.



APPLICATION :

- **Oil transfer & circulation system :** The plants will have two pumps for oil transfer and circulation. Both pumps will be positive displacement gear type, directly coupled with electric motor. The plants will have necessary valves and piping to ensure easy operation and maintenance.
- **Heating System :** The plants will have an insulated heater chamber with indirect type bobbin heater for heating of oil up to 80° C. However the working temperature for filtration will be 55° C. Heater pipes will be finned to have more efficient heat transfer. Temperature will be controlled with thermostat or Digital Temperature indicator cum controller.
- **Filtration System :** The filtration system is suitable for removing suspended particles such as colloidal carbon, oxidation sludge, dirt, rust.
- **Degassing chamber and vacuum system :** The oil dispersed while passing through fine filter will be sprayed on reaching ring tray to have an exposure of oil film to vacuum, because of which moisture removal rate will be increased. Degassing chamber will be evacuated with rotary oil sealed vacuum pump moisture trap, valves, etc.
- This plants are suitable for Hydraulic Oil , Thermic Fluid, etc.

TECHNICAL SPECIFICATION :

Flow Rate - LPH	600	1200	2400	4500	6000
Heater Capacity- K.W.	6	18	45	63	81
Single stage Rotary Oil sealed vacuum Pump.	100 LPM	300 LPM	500 LPM	1000 LPM	2000 LPM
Total Power Required	7.5 K.W.	20 KW.	50 kW	70 kW	96 kW
Fine Filter Elements Moulded Cellulose					
Filter Fineness	3 / 0.5 μ				
Dimensions In Mtrs.					
Stationery Unit, W/L/H	0.6/0.9/1.4	0.8/1.2/1.5	1.0/1.8/1.6	1.2/2.0/1.7	1.2/2.4/1.8
Unit on Castors, W/H/L	0.6/0.9/1..6	0.8/1.2/1.7	1.0/1.8/1.9	1.2/2.0/2.0	1.2/2.4/2.1
Unit of Trailers, W/H/L	1.2/1.4/2.1	1.4/1.7/2.2	1.6/2.2/2.4	1.8/2.4/2.6	1.8/2.8/2.6
Max Oil Content in Transformer - Ltrs	1000	2500	7500	20000	35000

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