

3000/6000 Litre/hour “ Micafil - Switzerland ”



II) Technical data of the plant

The MICAFIL oil treatment plant type VH 061 is advantageously used for handling the following transformers:

- for oil treatment from approx. **5 tons** of oil upwards
- for drying of transformers with an oil content up to approx. **25 tons**

Oil throughput:

- | | |
|---------------------------|-----------------|
| - for treatment | 3000 l/h |
| - for heating-up (drying) | 6000 l/h |
| - for regenerating | 1500 l/h |

Guarantee data for new oil:

3000 l/h of initial value of 50 ppm water content and 10...12 Vol. % air content, measured after treatment at the outlet of the plant:

after 1 pass

- | | | |
|--------------------------|---------|-------------------|
| - residual water content | smaller | 6 ppm |
| - residual air content | smaller | 0,5 Vol. % |

after 3 passes

- | | | |
|--------------------------|---------|-------------------|
| - residual water content | smaller | 3 ppm |
| - residual air content | smaller | 0,1 Vol. % |

The guarantee values as stated, as well as the throughput are based on treatment of new oil with naphthenic base.

Technical data

Vacuum at last pass (depending on oil quality and temperature)	0,6 - 1 mbar
Nominal suction capacity of	
- vacuum pump I	60 m ³ /h
- vacuum pump II	60 m ³ /h
Total heating capacity of the oil heater (divided into 3 stages)	75 kW
Cooling water consumption (at an inlet temperature of 20 °C)	
- without condensate separator item 35	approx. 8 l/min.
- with condensate separator item 35	approx. 10 l/min.
Should the plant be equipped with a refrigeration plant item 36, cooling capacity 1,2 kW, no external cooling water supply is required.	
Power consumption (without supplements)	85 kW
Supply voltage	3 x 380 V, 50 Hz
Elec. equipment according to IEC-Standard.	

External connections:

- oil inlet	DN 40
- oil outlet	DN 40
- vacuum	DN 40
- exhaust	DN 40
- cooling water inlet and outlet (hose inner dia.)	14 mm