

**NON-REACTIVABLE FULLER'S EARTH FILTRATION SYSTEMS**


***Removes mechanical impurities and contaminants from the oil***

***Improves color of oil***

***Removes moisture and eliminates acidity***

***Refines the oil***

***Prolongs service life of transformer oil and of transformers themselves***

***Easy to mount and serve***

***Operates together with equipment for oil thermal vacuum purification of any capacity produced by Globecore***

**Application**

Standard oil filtration systems using discolouring clays as filling material (fuller's earth) are designed to remove deterioration products from oil and to refine it.

**Specifications**

	Parameter	Value
1	Flow, l/h, max	250
2	Capacity geometric volume, l	278
3	Volume of Fullers Earth, m <sup>3</sup>	0,3
4	Capacity mode of operation	- parallel; - serial
5	Oil outlet temperature, °C	40
6	Overall dimensions, mm: - length; - width; - height	1200 900 1900
7	Mass, kg, maximum	500

## Arrangement

Filtering system consists of:

- two tanks;
- filter;
- pallet collar;
- technological elements, connected by flexible hoses.

### AVERAGE OIL APPEARANCE



**BEFORE REGENERATION**



**AFTER REGENERATION**

Parameter	Trial pattern	Before regeneration	After regeneration
Appearance	Deemed by eye exploiting crossing light and room temperature for 100 mm thick oil	Turbid brown fluid	Transparent sedimentless fluid to lack weighed particles
Acid number, mg KOH/g	IEC 296; ASTM D-664	0.63	0.01
Corroding sulfur	ISO 5662; ASTM D-1275	Gained	None
Breakdown voltage, kV	IEC 156; ASTM D-1816	11	70
Dielectric loss tangent for 90°C	IEC 247; ASTM D-924	4.0	0.001
Surface stretching, H/m, for 25°C	ISO 6295; ASTM D-2285	22	45
Mechanical contaminants size, micron		50	5
Oxidizing steadiness: Acid number, mg KOH/g	IEC 1125A; IEC 1125B; IP-307	---	0.2



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