

Retort Kit Oil & Water Large Capacity External Heating

MK-GX50A

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Description

The separation and determination of water, oil and solid volume in water-based drilling fluid samples can be realized. In terms of structure and performance, it can achieve good results in water-based drilling fluid separation experiments. The instrument adopts 1000W high-power external heating distillation mode to avoid dry burning (overheating) caused by internal heating. The experimental temperature can be set. 50ml large capacity distilled body has improved the test accuracy compared with conventional (20ml). The instrument is simple to operate and is the basis for understanding the solid concentration and composition, viscosity and filtration control of water-based drilling fluid. It is a common instrument used in laboratory and field.



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Retort Kit Oil & Water Large Capacity External Heating (MK-GX50A)



Model Specification

- 1.Model: MK-GX50A
- 2.Name: Drilling Fluid Oil Water (Solid Phase) Separation Device
- 3.Different configurations: using external heating distillation method
- 4.Feature: Prevent dry burning



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- Sussex Centre, 90 Burnhamthorpe Road West, Suit 1400, Mississauga, Ontario, L5B 3C3, Canada.



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Operating principle

The known volume of water-based drilling fluid sample is heated in the distiller, and its liquid phase components are evaporated and condensed, and then collected in the measuring cylinder. The liquid volume is directly determined from the readings of oil phase and water phase in the measuring cylinder. The total solid phase volume (suspended and dissolved) is obtained from the difference (total sample volume liquid phase volume). Since any dissolved solid will remain in the distiller, the volume of suspended solid phase must be determined through calculation, and the relative volume of low specific gravity solid phase and weighting material can also be obtained through calculation.

Technical Parameters

1. Power supply: AC220V \pm 5%, 50 / 60Hz
2. Power: 1000W
3. Distillation volume: 50 \pm 0.2ml
4. Liquid recovery rate > 98%
5. Maximum heating temperature: 500 °C



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