Retort Kit Oil & Water Large Capacity External Heating

Overseas Oil Services





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Description

The separation and determination of water, oil and solid volume in waterbased 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 dry burning (overheating) avoid by internal heating. The caused experimental temperature can be set. 50ml large capacity distilled body has improved the accuracy test 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 water-based drilling fluid. It is a instrument used common in laboratory and field.



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

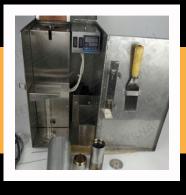
4.Feature: Prevent dry burning



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 Ontario, L5B 3C3, Canada.







Operating principle

The known volume of waterbased 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 ± 5%, 50 / 60Hz

2.Power: 1000W

3.Distillation volume: 50 ± 0.2 ml

4.Liquid recovery rate > 98%

5.Maximum heating temperature: 500 °C

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