

## Centrifuges

A centrifuge mechanically subjects fluids to increased “**G forces**” that accelerate the settling rate of particles within the fluid. This procedure separates particles from fluids into heavy-coarse and light-fine fractions and is dependent upon separation by particle size and specific gravity.



### Bench Top Centrifuge Model 228

Speeds to 3300rpm/1380xG  
 Accepts six tubes 15mL  
 Built-in timer 0 to 15 minutes with 30 sec. resolution  
 HOLD position allows continuous runs  
 Quiet-running, permanently lubricated, long-life motor  
 Numbered rotor positions, Fixed-angle rotor  
 115V 60Hz, 2.1A

**Order Part Number 204175**



### Centrifuge Non-Heated Model 18206

12 Volt Accepts four tubes 12.5mL

This centrifuge is ideally suited where testing does not require heat during the centrifuging period. This unit will meet the requirements of the API MPMS Chapter 10.4 "Determination of Water and Sediment in Crude Oil by the Centrifuge Method (Field Procedure)."

**Order Part Number 210418**

### Manually Operated Centrifuge Model 18801

This *hand driven* centrifuge is perfect for field use. The simple compact design eliminates complicated operation and helps assure years of dependable service.

Two-place head includes metal shields for 12.5mL tubes.

Hand Driven – Max Speed is 2,000 RPM.

The centrifuge body is constructed of lightweight aluminum alloy with an integral clamp for fixing to a table. Removable pin connections for head and crank handle make storage easy.



**Order Part Number 210419**

## Manually Operated Centrifuge Model 18811

Same as Model 18801, except uses pear shaped tubes  
Two-place head includes metal shields for holding 100mL pear shaped tubes

**Order Part Number 204163**

### Centrifuge Tubes

#### 205889 Centrifuge Tube, Graduated, API

KIMAX<sup>®</sup> tube with a long taper. Calibrated "to contain". Used to determine the bottom sediment and water in petroleum. Made in accordance with the former specifications of the American Petroleum Institute. (API Standard 2542). Graduated 1 to 3% in 0.2%, 3 to 10% in 0.5%, 10 to 50% in 1% divisions, and at 100% which is equal to 12.5 ml in volume. Scale, legend and marking spot are durable white ceramic enamel. Referred to as the "Finger" tube.



#### 205890 Centrifuge Tube, Graduated, Goetz, with #16 Stopper

KIMAX tube used for the determination of small quantities of solids in large volumes of liquids. Calibrated "to contain". Stem is graduated in 0.01 mL to 0.2 mL and the body has graduations at 25, 50, and 100 mL. Recommended for the determination of free water and sediment in diesel and other distillate fuels, as a pass-fail indication of product quality (ASTM D2709). Durable black ceramic enamel scale.



#### 210420 Centrifuge Tube, Kolmer Clinical, 10mL

These 10mL conical centrifuge tubes are used to measure H<sub>2</sub>O content and potassium ions in oil muds by the **API RP 13B** standard testing method. They are graduated in 0.1mL divisions up to 4mL, and 0.2mL divisions from 4 to 10mL. Tolerances: to 0.5mL ±0.02mL; 0.5 to 2mL ±0.04mL; over 2mL ±0.1mL. Beaded rim with durable white enamel graduations.



*Fann Instrument Company offers a complete line of laboratory glassware and apparatus for use in fluid analysis, especially testing drilling fluids in accordance with the following American Petroleum Institute publications:*

API Recommended Practice 13B-1, ANSI/API 13B-1/ISO 10414-1,  
API Recommended Practice 13B-2, & API Specification 13A

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