



## No.2538

## Centrifugal separator for measurement of water retention value of pulp

Measurement of pulp swelling degree by centrifugal force is a method for evaluating the beatability of pulp. It is known that there is a close relationship between water retention and strength of paper. Water retention is measured by centrifugally separating water retained in pulp from free water in and between fibers. Put 0.5g (O.D.) of pulp slurry in the metallic pulp lined with wire, and scatter water. Then, the specimen is taken out from the filter and dried, and its mass is measured. Water retention is calculated from a formula.

**Centrifugal settling tube:** 4 tubes of 100cc

**Metallic cup filter:** SUS 200 mesh wire

**Maximum rotation speed:** 5000rpm (4620G)

**Motor:** 100/110VAC 0.25kW

**Referential standard:** J.TAPPI No.26

**Power source:** 100/110VAC 50/60Hz 7A

**Outer dimensions:** 450 x 540 x 360mm

**Instrument weight:** 40kg