

No. 2536- I

Centrifugal pulp dehydrator (stationary type)

This machine dehydrates paper stock by centrifugal force. All the sections in contact with liquid are made of stainless steel (SUS-304). The basket is well balanced, free of vibration, so it operates very silently. With permanently lubricated bearings, maintenance is very easy. The brake is applied by pulling the lever.

<Applications>

1. Concentration measurement for beater and machine stock
2. Preparation of concentration-conditioned specimen for measurement of beatability and fibers in white water

Basket: 150 mm in inner diameter, 80 mm deep

Maximum rotation speed: 3,000 rpm

Motor: 100/110 VAC, 0.1 kW

Optional: filter cloth

Power source: 100/110 VA 50/60 Hz 4A

Outer dimensions: 470×470×560 mm

Instrument weight: 30 kg



No. 2536- I

No. 2537

Large-size centrifugal dehydrator (suspended type with three legs)

This machine rapidly dehydrates pulp slurry. Unique suspended design completely offsets unbalance in rotation. Low noise of rotation. The brake immediately stops the operation.

Basket dimensions:

	Inner diameter	Depth	Capacity	Rotation speed	Motor
A	240 mm	140 mm	3 ℓ	3000 rpm	0.2 kW
B	300 mm	160 mm	4.5 ℓ	3000 rpm	0.4 kW
C	405 mm	200 mm	12 ℓ	2000 rpm	1.5 kW
D	455 mm	210 mm	14 ℓ	1800 rpm	1.5 kW

Material of section in contact with liquid: SUS-304 (stainless steel)

Optional: filter cloth, Rotation control with inverter

Power source: A,B 100/110 VAC 50/60 Hz 9A

C,D three-phase 200/220 VAC 50/60 Hz 7A

Outer dimensions:

A	550×480×570 mm	Instrument weight 78 kg
B	620×540×600 mm	Instrument weight 100 kg
C	780×1100×610 mm	Instrument weight 250 kg
D	780×1100×610 mm	Instrument weight 270 kg



No. 2537

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 0.5 g (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 100 cc

Metallic cup filter: SUS,200 mesh wire

Maximum rotation speed: 5000 rpm (4620G)

Motor: 100/110 VAC, 0.25 kW

Referential standard: J.TAPPI No.26

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

Outer dimensions: 450×450×450 mm

Instrument weight: 40 kg



A



B

No. 2538