

No.2525

Chest

The chest is usually used for storage and blending of specimens. With the chest, you can adjust the quantitative and qualitative adjustments such as pH conditioning in the paper making sequence.

Tank capacity: 300 liters

Tank material: SUS-304

Motor for agitation: three-phase 200/220VAC 0.2kW

Piping port: 2 inches

Power source: three-phase 200/220VAC 50/60Hz 5A

Outer dimensions: 1000 x 850 x 950mm

Instrument weight: 80kg



No.2526

Mechanochemical pulping machine

For resource and energy saving, reuse of waste paper is promoted. The primary steps of reuse of waste paper are pulping and deinking. After chemical is added to the pulp material such as waste paper, this machine heats, agitates and processes the material, to chemically and mechanically change the material into pulp at normal pressure. This machine is also used for defibration of fibers.

Capacity: 2 liters

Rotation speed of the main shaft: 3,000rpm

In the case of variable speed: 775 to 3,000rpm (optional)

Constant temperature tank: room temperature to 85° C,
with temperature controller

Motor: three-phase 200/220VAC 0.4kW 50/60Hz

Heater: three-phase 200/220VAC 2 kW

Power source: three-phase 200/220VAC 50/60Hz 15A

Reference standard: JIS P8220-3-2020

Outer dimensions: 610 x 470 x 640mm

Instrument weight: 122kg



No.2528

High-consistency disintegrator

A considerable amount of waste paper is used as low cost material in the age requiring resource and energy saving in the pulp and paper industry. Almost all paper kinds are recycled, including newspaper, paperboard, wood free paper and paper for office automation machines. The essential point of waste paper pulping is effective breaking by efficient use of power. This high-consistency disintegrator is used to study this topic. It is most suitable to investigate technological and economic use of waste paper in the laboratory.

Capacities: 2, 5, 10 liters

Concentration: max. 20% (test value for waste newspaper)

Rotation speed of main shaft: (steplessly variable speed)
180 to 700rpm (2 liters)
45 to 310rpm (5 liters)
40 to 220rpm (10 liters)

Jacket: for heating and cooling

Material container: SUS-304

Disintegration time: by setting the timer

Motor: three-phase: 200/220VAC 0.75kW

Power source: three-phase 200/220VAC 50/60Hz 5A

Outer dimensions: 500 x 760 x 690mm (2 liters)

530 x 825 x 785mm (5 liters)

570 x 900 x 930mm (10 liters)

Instrument weight: 92kg (2 liters) 167kg (5 liters) 195kg (10 liters)

