

Beating and Freeness Tester SR 1

Apparatus to determine the freeness value and to measure the drainage of pulp suspensions according to the Schopper-Riegler-Method and in conformity with ISO 526/71, Zellcheming V/79 and SCAN C 19.

Method:

The ability of drainage depends on fibre length, fibrillation and swelling. A high speed of drainage corresponds to a low degree of freeness (SR number) and vice versa.

Working principle and test:

- Preparation of 1000 ml suspension with 0.2 % consistency. (1000 ml pulp-water mixture contains 2.0 g atro fibrous substance.)
- The pulp is to equalize by repeated pouring from one vessel into another.
- Fill the pulp into the receiving container.
- Release the latch of the sealing cone after 5 sec.
- The water drains off through the pulp sediement and the screen into the separator. It leaves the separator through the two outlets and flows into two measuring cylinders. Freeness Reading is always taken from the amount of water discharged from the upper outlet.

Accessories:

- 2 measuring cylinders
- 1 cylinder 1000 ml
- 1 consistency cup 4.5 %
- 1 consistency cup 6.0 %
- reserve wire screen and wire removal tool.

Dimensions:

Height x Width x Depth: 1000 x 250 x 450 mm
Net weight: 34 kg

