



PulpTester

Article No. S41510

CANADIAN STANDARD FREENESS TESTER (CSF)

For measuring the rate of drainage of pulp suspensions and expressing it in terms of canadian freeness.



Digital model with temperature compensation

MODELS

MANUAL MODEL

- Opening a hand valve starts the sequence
- Visual read out directly on the measuring beakers

DIGITAL MODEL

- Touch of a button starts the test sequence
- Digital display of the measured data with an accuracy of 1 °CSF
- Digital display of 4 drainage times

Optional:

Temperature correction by temperature sensor



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MOST IMPORTANT BENEFITS

- ✓ Housing made of stainless steel
- ✓ Filling chamber and separating funnel made of special plastic
- ✓ Each sieveplate is calibrated by PAPRICAN

PRODUCT DESCRIPTION

The drainage chamber and filling chamber are mounted on a robust stainless steel frame. The filling chamber has a calibrated perforated screen plate at its lower end, and drains into the spreader cone. It is closed from above and below by a cover. The upper cover is equipped with an air valve, and the measuring process begins through operation of this valve. The spreader cone drains into a calibrated nozzle and a drainage pipe mounted on the side.

TEST DESCRIPTION

The pulp sample (3 g pulp), prepared with the standardised disintegrator (see page 12), is poured into the filling chamber with the bottom closed. The cover and air valve are both closed and then the bottom cover is opened. Because no air can enter the filling chamber, the pulp suspension remains in the filling chamber until the air valve is opened. The suspension falls through the perforated screen, leaving a fibre mat behind while the filtrate drains through the spreader cone into a measuring beaker. Within the spreader cone there is a calibrated nozzle that allows only a small amount to flow through. The excess liquid runs through the side drain pipe into another measuring beaker.

TECHNICAL DATA

DEVICE/INSTRUMENT

- Housing made of stainless steel
- Filling chamber and separating funnel made of special plastic
- Calibrated perforated plate and nozzle
- Included into delivery:
Sieve plate, calibrated by PAPRICAN
2 pcs °CSF-measuring beakers

INSTALLATION REQUIREMENTS

| | |
|-----------------------|--|
| Electrical connection | 100 – 230 V / 50 – 60 Hz (for the digital model only) |
| Water connection | No |
| Compressed air | No |

APPLICABLE STANDARDS

- ISO 5267-2_2001
 - TAPPI T227
- etc.



Digital model



Manual model