Thwing-Albert Instrument Company

More than a Century of Testing Solutions

Canadian Freeness

CF-21 Pneumatic Tester

The Canadian Freeness is used worldwide for determination of the drainability of pulp suspensions. The drainability is the measurable index of the efficiency of refining process.

The refining of pulps is one of the most important stages in the paper production process and because it consumes much energy and influences strongly the sheet forming and its physical properties.

Applicable to all kinds of pulps in aqueous suspension. The CF-21 is designed for bench top installation and includes leveling feet and precision bull-eye level.

All pneumatically driven lids for the drainage chamber ensure simple, accurate and quick operation with maximum comfort meeting modern requirements for health and well-being of users.

▲ Pneumatic driven lids

◀ Canadian Standard Freeness Tester measures the drainability of a pulp suspension.

Technical Specifications

Calibrated bottom orifice:
(74,7 ± 0,7) s for 1 L of H2O

Drainage Chamber Volume: 1000 mL

Drainage Area: 2 81 cm^2

Air Supply: 6 bar, instrument quality

Air Consumption: 0.1 m^3 /h

Dimensions (W x L x H) - 350 x 500 x 900 mm

Weight - 36 kg

Complies to Standards:

TAPPI T-227 · ISO 5267/2 · SCAN C21/65

Features:

- Stainless steel and chromed bronze-cast components provide ruggedness needed for usual intensive routine of Q.C. Tests
- Calibrated standard screen plate - FPInnovations (PAPRICAN)

Optional Accessories:

- Filter for water model GS200UV - 5 L/min according to ISO 14487
- Device CF-DR used to remove the fibers from the drainage chamber. Fitted with pneumatic vacuum generator
- Consistency cups for quick preparation of 1L testing fraction of pulp suspension

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