

# Canadian Standard

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## Freeness Tester »CSF« digital model

Code: P.404.D

### Usage

*To measure the freeness and dewatering rate of suspensions according to Canadian standards.*

### Applicable standards

- ISO 5267-2
- TAPPI T 227
- SCAN C21/M4





Calibrated nozzle acc. standards



USB and Ethernet port

### Device description

The digital model of CSF Tester can be easily and intuitively operated via the touch panel with pre-installed *PTE Austria* measurement software. The aeration valve is automatically opened by the digital system, and the measurement data is recorded using the highly precise balance installed in the stainless-steel housing. After the measurement process, the results can be read from the display in °CSF values and as a drainage curve and transferred via USB as a file.

### Process description

The pulp suspension, prepared using the disintegration device (Code: P.401.x), is filled into the bottom-closed filling chamber. After closing the upper lid and opening the lower one, the drainage process is started via the touchscreen: the upper chamber fills with air, and water and filtrate flow through the separating funnel into the measuring beakers, allowing the °CSF value to be read. The integrated balance measures the drained water, records the drainage curve, and displays all measured values (mean, min/max, standard deviation) as numbers and graphs on the touchscreen. The fibers remain in the easily removable sieve. The device enables precise and reproducible determination of drainage properties. Up to 1000 measurements are stored and can be exported via USB in Excel format.

### Specifications

- corrosion-resistant and highly durable materials
- high quality light weight POM chamber
- stainless steel housing in a modern design
- *PTE Austria's* measurement software integrated
- USB and Ethernet ports for printers, data transfer and maintenance
- intuitive and easy operation
- process start via touch panel
- operated via 10" touchscreen
- integrated precision balance for accurate measurement and repeatability
- lightweight materials for comfortable handling during the process and when cleaning
- special lid locking system for quick opening/closing
- adjustable feet for levelling on site
- incl. nozzle calibrated to standard
- incl. sieve calibrated to standard
- incl. two measuring beakers with °SR and °CSF scale
- CE certified

### Connections

- Electricity: 110 – 240 V, 50/60 Hz AC
- Air: 400 – 600 kPa

### Parameters

|       | Dimensions          | Weight |
|-------|---------------------|--------|
| Net   | 430 x 410 x 920 mm  | 47 kg  |
| Gross | 1080 x 580 x 660 mm | 70 kg  |

### Models

| Code     | Description                    |
|----------|--------------------------------|
| P.404.D  | CSF digital                    |
| P.404.DT | CSF digital with temp. control |