Data sheet

# L&W CSF Tester
## Lorentzen & Wettre Products | Pulp Measurements

L&W CSF Tester is designed to give a measure of the rate at which a dilute suspension of pulp may be dewatered. The drainage rate has been shown to be related to the surface conditions and swelling of the fibres. It is also a useful index of the amount of mechanical treatment given to the pulp.

L&W CSF Tester consists of a drainage chamber and rate measuring funnel which are supported in a bench top mounting stand or (optional) wall mounting.

The drainage chamber is a metal cylinder which contains a perforated brass screen plate which has been calibrated to give the proper flow. The top and bottom lids of the container are opened by a light pressure on the release handles, and are both fastened to swivel arms mounted to the stand.

The rate measuring funnel features side and bottom orifices which are manufactured to meet or exceed the tolerances outlined in the “Standard Method”. Each unit is calibrated to give the correct flow with water, before shipment.

The pulp sample must be properly prepared before testing. A volume of 1000 ml is used at a consistency of 0.30% and a temperature of 20ºC. Correction charts are used to adjust for temperature and consistency variations. Results are reported as ml CSF which is the volume collected from the side orifice, after correction.

### Benefits

- A light weight non-corrosive drainage chamber with suspension volume – 1000 ml
- Result volume expressed in ml, of the filtrate from the side orifice of the rate measuring funnel (original design)
- Top and bottom lids of the chamber are operated by a light pressure on the release handles
- Dilution through a specified (standard) perforated brass screen plate (97 holes with 0.5 diameter per $cm^2$)
- Measurement glass cylinder or balance can be used
- Two consecutive measurements with a difference greater than 2% shall be repeated

### Technical specifications

**L&W CSF Tester – code 030**

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|---|---|
| Measurement range | 20–700 ml |
| Concistency | 0.3% |
| Temperature | Correcting for 20°C |
| Water | According to ISO 14487 |

**Standards**

ISO 5267-2, (TAPPI T227, APPITA/AS 1301.206m-88, CPPA C.1)

For more information, please contact:

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