Schopper Riegler

Freeness Tester - digital model

Code: P.403.D-xxx

Usage

To determine the freeness and the drainage properties of fiber and pulp suspensions.

Applicable standards

- ISO 5267-1

PTE Austria's own software

USB & Ethernet interface

Device description

The digital model of the Schopper Riegler Freeness Tester is characterized by its intuitive and easy operation via the integrated 10" touchscreen and *PTE Austria*'s own software. The measuring process can be controlled via the display and the measurement data can be shown in diagrams and statistics. The device is also equipped with a high-precision scale to achieve the most accurate results and high repeatability of the tests. The drainage chamber is easy to remove so that the sieve with the remaining fibers can be removed very quickly for dry content tests. The calibrated nozzle flushes exactly 1 000 ml in 149 seconds and the grinding degree can be read in °SR and ml from the two measuring cups supplied.

Process description

The pulp suspension is poured into the closed filling chamber on top of the funnel. The sealing cone is lifted automatically and the suspension drains into the funnel. The fibers remain on the sieve placed between the filling chamber and the funnel. The water is separated into the two measuring beakers that are placed under each orifice. The number of °SR is shown on the digital display in numbers and as a dewatering curve. Now the filling chamber is opened and the sieve can be taken out for cleaning or to make a dry content determination after drying the fibers.

Specifications

- corrosion-resistant and durable materials
- high-quality drainage chamber made of stainless steel or POM
- sturdy housing in modern stainless steel design
- integrated precision weighing scale for accurate measurements and repeatability
- standardized ISO - nozzle
- easy to operate via 10" touchscreen
- *PTE Austria's* especially developed software
- automatic determination of the drainage curve
- USB port and ethernet port for data transfer, etc.
- incl. calibrated SR sieve
- incl. 2 measuring beakers with °SR and ml scale
- CE certified

Connections

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

Models

Code	Device
P.403.D-POM	Schopper Riegler digital with POM drainage chamber
P.403.D-POM-T	Schopper Riegler digital with POM drainage chamber and temperature control
P.403.D-SS	Schopper Riegler digital with stainless steel drainage chamber
P.403.D-SS-T	Schopper Riegler digital with stainless steel drainage chamber and temperature control