

Somerville

Shive Content Analyzer

Code: P.109.xxx

Usage

To determine shives and other particles in pulp suspensions.

Applicable standards

- TAPPI T275
- TAPPI UM242
- PAPTAC C.11P





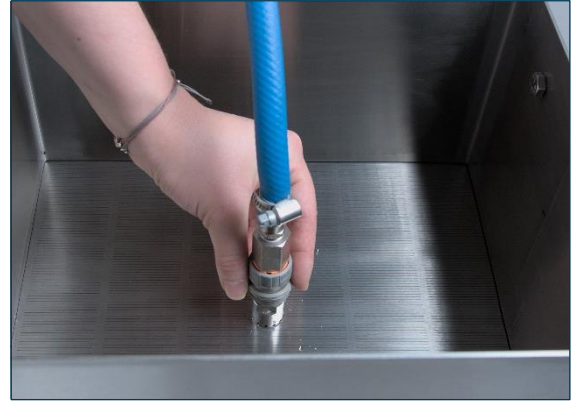
incl. water faucet & cleaning container

Device description

The Somerville shive content analyzer is built upon a robust stainless steel frame, which holds the membrane chamber and the container. The control box can be mounted to a wall. The wash chamber and the container are separated by an exchangeable slot plate, which holds one calibrated ring nozzle with twelve horizontal openings right in the center of the slot plate. The attached overflow container regulates the water level in the container. The slot plate can be easily removed due to quick fasteners.

Process description

Place the slot plate between wash chamber and container. Pressing the start button initiates the process and water will be sprayed through the ring nozzle onto the slot plate. Once the water reaches the 25 mm-mark, the sample is added. The motor will start moving the rubber plate as soon as the water will reach the overflow container. Hence the rubber plate will create suction and sucks fibers and pieces through the openings of the slot plate that are smaller than the slot width. After draining the water, the remaining fibers and shives on the screen can be used for calculating the shive content.



fast & easy attaching hose to nozzle

Connections

- Electricity: 230 V, 50 Hz AC
(other voltages on request possible)
- Water pressure: min. 125 kPa
- Drainage Ø50 mm drainage pipe

Specifications

- top quality and manufacturing
- sturdy construction made of corrosion resistant materials
- control box prepared for wall mounting
- calibrated ring nozzle (works with 8.6 l/min at a pressure of 123.6 kPa)
- drive motor protection class IP55 built into the stand, drives the slot screen via an eccentric mechanism at 690 – 700 rpm
- device is delivered with one slot plate (see available slot plates)

Parameters

	Dimensions	Weight
Net	700 x 620 x 1200 mm	88 kg
Gross	850 x 750 x 1300 mm	140 kg

Models

Code	Device
P.109	Somerville without slot plate
P.109.108	Somerville with 0.08 mm slot plate
P.109.110	Somerville with 0.10 mm slot plate
P.109.115	Somerville with 0.15 mm slot plate
P.109.120	Somerville with 0.20 mm slot plate
P.109.125	Somerville with 0.25 mm slot plate
P.109.100	Somerville with 1 mm slot plate
P.109.150R	Somerville with 5 mm round hole plate
P.109.107R	Somerville with 0.7 mm round hole plate
Additional slot plates/hole plates	
P.109.008S	0.08 mm slot plate
P.109.010S	0.10 mm slot plate
P.109.015S	0.15 mm slot plate
P.109.020S	0.20 mm slot plate
P.109.025S	0.25 mm slot plate
P.109.100S	1mm slot plate
P.109.050R	5 mm round hole plate
P.109.007R	0.7 mm round hole plate
Customized slot/round hole plates are available! Contact your personal distributor or PTE Austria directly for more information.	

BauerMcNett and Somerville combined

PTE Austria recommends to combine the BauerMcNett device and the Somerville for more precision.
For more information, see PTE Austria's BauerMcNett Leaflet.

