



**PulpTester**

Article No. S40170

# SOMERVILLE SHIVE CONTENT ANALYSER

For determination of shive content in pulp.



## MODELS

### AVAILABLE SLOT PLATE

- 0.15 mm slot width (acc. to standard)
- 0.10 mm slot width
- 0.08 mm slot width

## MOST IMPORTANT BENEFITS

- ✓ Sturdy construction made of corrosion-resistant materials only
- ✓ Control box can be wall mounted
- ✓ Installation onto a Bauer McNett fibre classifier possible



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## PRODUCT DESCRIPTION

The Somerville shive content analyser consists of a robust stainless steel frame, a membrane chamber, and a container. The unit is operated by a control unit on the wall. A motor driven eccentric continuously moves the rubber membrane in a reciprocating motion in the membrane chamber. There is an exchangeable slot plate between the wash chamber and the container. A calibrated ring nozzle with 12 horizontal perforations is fixed in the centre of the slot plate. An overflow is attached to the container, which regulates the level of the water. The slot plate is held in the wash chamber by quick fasteners for easy removal.

## TEST DESCRIPTION

The slot plate is placed between the wash chamber and the container. Pressing the 'fill' button sprays water through the ring nozzle onto the slot plate. The sample is added when the water reaches the 25 mm mark. As soon as water flows over the weir plate into the overflow, the motor starts. The vibrating motion of the membrane sucks fibres and pieces through the slits that are smaller than the slit width. The shives remain on the plate. On ending the wash cycle the water is drained. The shives remaining on the screen are rinsed off, collected, dried and weighed. The percentage of shive to pulp used is calculated.

## TECHNICAL DATA

### DEVICE/INSTRUMENT

- All parts made of corrosion-resistant materials
- Driving motor safety class IP 55
- Vibration height of the membrane: 3.2 mm
- Calibrated ring nozzle (8.6 l/min at 123.6 kPa pressure)
- Control cabinet wall mounted:  
Sequential control system  
Time switch  
Thermal overload protection
- Included into delivery: 1 slot plate (756 slots, 0.15 x 45 mm)
- Installation onto a Bauer McNett fiber classifier (see page 34) possible

### INSTALLATION REQUIREMENTS

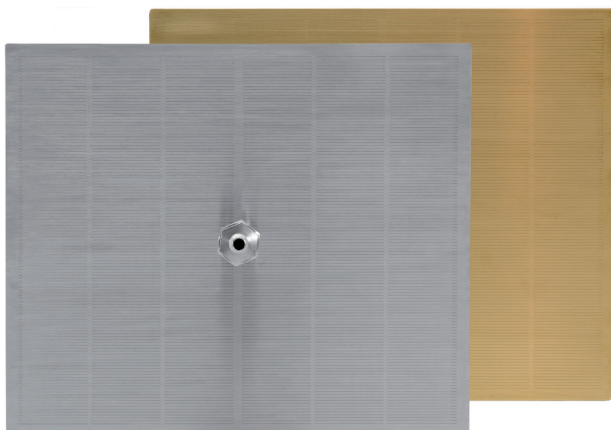
Electrical connection	400 V / 50 Hz / 0.78 kW / 0.84 A
Water connection	Yes
Compressed air	No

### APPLICABLE STANDARDS

- TAPPI T275
- TAPPI UM 242



Standardised slot plate with a slot size of 0,15 x 45 mm



Slot plate with ring nozzle



Standardised slot plate with a slot size of 0,15 x 45 mm