

Article No. S40170



Pulp Tester

Somerville Shive content analyser

For determination of shive content in pulp.



Available Slot Plates

- 0,1 mm slot width
- 0,15 mm slot width (standard)
- 0,2 mm slot width
- 0,25 mm slot width

THE 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

 **FRANK-PTI**
QUALITY TESTING INSTRUMENTS

SUBSIDIARY OF  Elot Hansson

 **M.C. TEC**

Sales and service benelux

M.C. TEC
Distributiestraat 73
4283JN Giessen, Netherlands
Phone: +31 0183 445050
www.mctec.nl | info@mctec.nl

PRODUCT DESCRIPTION

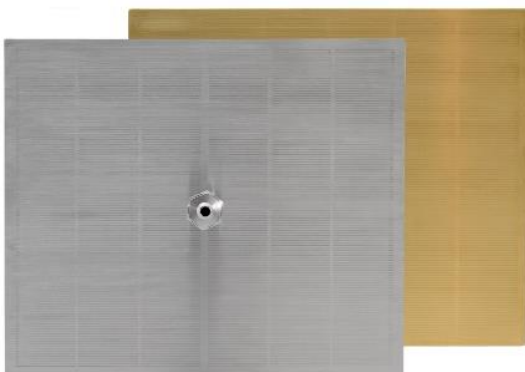
The Somerville shive content analyser consists of a robust stainless steel frame, a membrane chamber, and a container. The unit is operated by a control unit on the wall. A motor driven eccentric continuously moves the rubber membrane in a reciprocating motion in the membrane chamber. There is an exchangeable slot plate between the wash chamber and the container. A calibrated ring nozzle with 12 horizontal perforations is fixed in the center 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 fibers 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.



Container with connection hose and spill over box



Sieve with ring nozzle

TECHNICAL DATA

DEVICE / INSTRUMENT

- All parts made of corrosion-resistant materials
- Driving motor safety class IP 55
- Vibration height of the membrane: 3,2mm
- Calibrated ring nozzle (8,6 l/min with 123,6 kPa pressure)
- Control cabinet wall mounted:
 - Sequetial control systems
 - Time switch
 - Thermal overload system
- Sieve has to be chosen separately

APPLICABLE STANDARDS

TAPPI T275
TAPPI UM242

CONNECTIONS

Electrical connection:	230V / 50-60Hz 10A internal fused
Water:	Pre-pressure min. 2,5 bar Hose with 3/4" screwing
Drainage:	Hose 1m 1/2"
Compressed air:	no

DIMENSIONS

Version	L x H x B
S40170	460 x 1220 x 460 mm
Weight:	Net
S40170	90

ARTICLES / MODELS

S401700001	Somerville without sieve
S401701005	Sieb 0,1 mm incl. nozzle
S401701004	Sieb 0,15 mm incl. nozzle (standard)
S401701003	Sieb 0,2 mm incl. nozzle
S401701002	Sieb 0,25 mm inkl. nozzle



Standardized slot sieve with a slot width of 0,15 x 45mm