

Bauer McNett

Fiber Classifier

Code: P.503.xxx

Usage

To determine the fiber length of pulp by classification.

Applicable standards

- TAPPI T233
- SCAN M6
- PAPTAC C5V





Fibre classifier screen set

Device description

Depending on the individual set-up the fiber classifier holds up to five containers on the front side mounted in different heights. The device is entirely made of stainless steel. The changeable screens are held by especially developed screen holders with quick release for easy insertion and removal of the screens. Each unit is equipped with an agitator and an overflow which leads the suspension to the next container. The time can be set individually. The waterflow is regulated according to the standard being applied. The device can easily be rinsed due to the integrated water hose.

Process description

At first, insert the screens considering the right order. The widest-meshed screen shall be inserted in the uppermost container while the finest-meshed screen needs to be inserted into the lowest container. Insert the paper filter into the suction housing. By pressing the filling button, the containers will be filled with water automatically. As soon as the lowest container is filled up with water, the suspension needs to be added to the highest container. Pressing the start button will initiate the separating process. The time set having elapsed, the water flow and agitators will stop automatically. Afterwards, start the drainage pump, lift the container plugs and open the drainage valves in order to collect all the separated pulp of each container in the paper filter. While rinsing the containers manually, the remaining fibers will be flushed to the filters. Stop the drainage pump, close the plugs and valves of each container and extract the collected fibers. It is now ready for further tests.



Placing the screen into the holder

Connections

- Electricity: 110 - 240 V, 50/60 Hz AC
- Water: tap water with 11,35 l/min
- Drainage: Ø50 mm drainage pipe

Specifications

- top quality and manufacturing
- sturdy construction entirely made of corrosion resistant materials
- quick release of filters and screens for easy changing and replacing
- built-in water hose for rinsing and cleaning
- high quality suction pump and agitation devices
- easy operating due to fully automatized classifying procedure
- special stirrer (580 rpm)

Screens

ASTM	Openings (Mesh)	5th	4th	3rd
12	1.680 mm			
14	1.410 mm			
16	1.190 mm	x		
20	0.841 mm			
30	0.595 mm	x	x	x
40	0.420 mm			
50	0.297 mm	x	x	x
70	0.210 mm			
100	0.149 mm	x	x	x
140	0.105 mm			
200	0.074 mm	x	x	

Models

Code	Classification units
P.503.3	Bauer McNett with 3 units
P.503.4	Bauer McNett with 4 units
P.503.5	Bauer McNett with 5 units
P.503.3S15	Bauer McNett with 3 units and Somerville 0.15 mm screen
P.503.4S15	Bauer McNett with 4 units and Somerville 0.15 mm screen
P.503.5S15	Bauer McNett with 5 units and Somerville 0.15 mm screen
<p style="text-align: center;">Customized screen plates are available! Contact your personal distributor or PTE Austria directly for more information.</p>	

Bauer McNett and Somerville combined

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

