Article No. S95587

Pulp Tester

Schopper Riegler Freeness Tester

For the determination of the drainage rate of pulp-suspensions according to Schopper Riegler

✓ ProbeNet-capable

MOST IMPORTANT BENEFITS:

- ✓ Housing and drainage part made of stainless steel
- ✓ Nozzle conform to ISO, other standards available
- ✓ New precise measuring system to determine the SR-value
- ✓ temperature compensation as standard

FRANK-PTI QUALITY TESTING INSTRUMENTS
SUBSIDIARY OF Flof Hansson

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PRODUCT DESCRIPTION

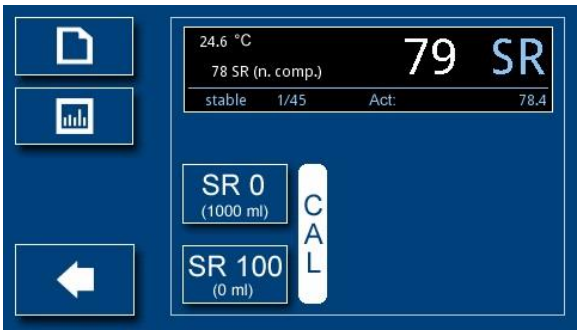
The drainage chamber and lifting cylinder are mounted on a sturdy stainless steel tripod. The filling chamber is bounded at the bottom with a special sieve, which leads into a separating funnel. This is provided with two outlet openings. A sealing cone closes the filling chamber against the separating chamber and prevents the leakage of the suspension before the actual start of the test.

Depending on the version, the sealing cone lifts pneumatically or mechanically at standard speed. The digital version has state-of-the-art measuring electronics that output the grinding degree value in Schopper Riegler grades (°SR) on a display module with an accuracy of 0.1 °SR.

TEST DESCRIPTION

The pulp sample (2 g pulp), prepared with the standardised disintegrator, is poured into the closed filling chamber. The sealing cone lifts automatically once the start button is pressed (for the digital version) or when the handle is operated (manual and pneumatic version). The suspension is drained through the screen, leaving a fibre pad and the filtrate drains into the separating chamber.

The water volume fraction drained through the side discharge pipe is collected in a °SR measuring beaker. In the manual and pneumatic versions the freeness is readable from the Schopper Riegler scale on the measuring beaker and in the digital version the freeness is shown on the display module.



Test screen during measurement

TECHNICAL DATA

DEVICE / INSTRUMENT

- Housing and drainage part made of stainless steel
- Chamber with sieve, sealing cone and separating funnel mounted on the frame
- Single button operation (conform to safety regulations)
- Nozzle conform to ISO, other standards available
- In scope of delivery:
  2 pcs SR and CSF freeness cylinder
  C-wrench for sieve exchange

Digital version:

- Compatible with ProbeNet
- Drainage curve visible via ProbeNet
- Temperature and temperature compensation from correlation to the CSF value and its compensation values determined in the standard

APPLICABLE STANDARDS

DIN EN ISO 5267-1	(standard)
SCAN C19M3	(optional)
Zellcheming	(optional)
BS 6035/1	(British Standard)

*more standards on request

MEASUREMENT

Unit:	
Version dig.	SRU° / Temp in C° / SRU°-compensated *draining time and curve via ProbeNet
Version pneu./man.	SRU (read manually on the beaker)
Meas. accuracy:	1°SRU

CONNECTIONS

Version		Dig	Pneu	Man
Power supply:	230V/50-60Hz	x		
Water:	no	x	x	x
Compressed air:	4-6bar	x	x	

DATA

RS232:	Data output
Ethernet:	Data output / MQTT
USB:	Updates / service / printer

*only digital version

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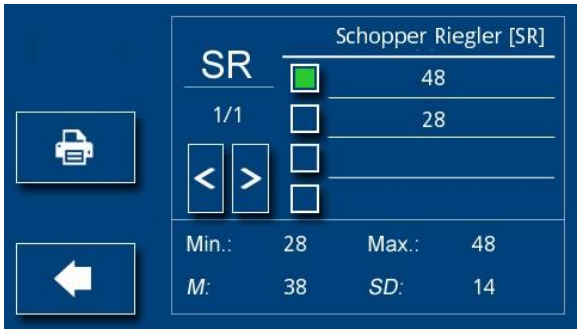
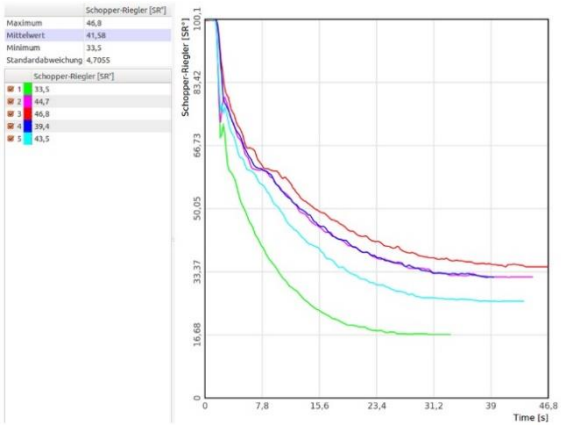


Statistics after measurement series



DIMENSIONS

Version	**L x H x B**
S955870001/2/3	350 x 870 x 380 mm
Weight:	net
S955870001/2/3	32 kg

ARTICLE / MODELS

S955870001	Schopper Riegler Version manual
S955870002	Schopper Riegler Version pneumatic
S955870003	Schopper Riegler Version digital

Recommended accessories:

S955871013	SR and CSF freeness cylinder plexi
S955871021	Calibrated nozzle acc. to Zellcheming
S955871001	Calibrated nozzle according to ISO
S955871002	Sieve changer
S406900001	ProbeNet software with one device license *requirements and information on request

For sample preparation:

S955680001	Desintegrator
S955681001	Acrylic glass container for desintegrator
S406900001	ProbeNet software with one device license *requirements and information on request

Schopper-Riegler measuring beakers

S955871044: **0,5%**	S955871034: **6,5%**
S955871045: **1,5%**	S955871012: **7%**
S955871005: **2,5%**	S955871043: **7,5%**
S955871006: **3%**	S955871042: **8%**
S955871007: **3,5%**	S955871041: **8,5%**
S955871008: **4%**	S955871040: **9%**
S955871009: **4,5%**	S955871039: **9,5%**
S955871010: **5%**	S955871038: **10%**
S955871046: **5,5%**	S955871037: **10,5%**
S955871011: **6%**	S955871036: **12%**

S955871013 SR and CSF freeness cylinder

S955870002 Schopper Riegler Version pneumatic

S955870001 Schopper Riegler Version manual