

Freeness Tester (°SR)



Usage : for measuring the freeness of pulp.

Definition: Freeness of pulp is a measure of precisely how rapidly water can drain from a diluted fiber furnishes suspension. The freeness of pulp is designed to give a measure of the rate at which a dilute suspension of pulp (3 g of pulp in 1 L of water) may be drained. The freeness, or drainage rate has been shown to be related to the surface conditions and swelling of the fibers. Besides these factors, the result is dependent also on conditions under which the test is carried out, such as stock preparation, temperature, and water quality.

Device Description : The Schopper Reigler Type Beating & Freeness tester measures the drainage of beaten pulp suspension and expressed as SR number. The manual pulley with wire and fixed load system of loading and unloading of the sealing cone ensures a constant lifting rate for the sealing cone during the test

Test Description : The Shopper Reigler Type Beating & Freeness tester measures the drainage capacity of beaten pulp and is universally used to check the progress of beating process. The drainage of pulp suspension is express in SR number.

Specifications :

Sample	2 g. Oven Dried
Consistency:	0.2%
Reproducibility:	approximately 1 OSR
Plexiglass measuring cylinder	100 Sec. with double graduation on CCM and OSR.
Nozzles	Calibrated Nozzle and screen plate container grip enabling easy removal for cleaning. Nozzle calibrated according to OSR standard.
Wiremesh:	Standard wire mesh fixing and removing attachment
Lift:	Semi-Automatic sealing cone lifting arrangement
Pulp Volume	1000ml

Delivery Content :

Consumables :

Service and Startup :