KRK KUMAGAI RIKI KOGYO

Laboratory Floatator

Model No. 2583

This floatator is needed in the deinking process as well as a high-concentration pulp breaker in the DIP and paper recycling processes. With this tester, the principle of the floating selection method is applied to deinking. Carbon black, vehicle, etc. are lipophilic and are deposited on foams. As foams float on the liquid surface, the inking substances are removed with foams. The floatation method has become a common method of deinking as it is advantageous in that the amount of fiber loss is minor, and the water consumption is limited. Rotations of the impeller cause suction of air and agitation at the same time to generate micro air bubbles.

It ensures a stable pulp surface, no part of it remains stagnant. The operator can visually check the pulp state by seeing through the stainless-framed glass specimen tank. The impeller shaft is made of stainless steel. Steplessly variable speed control is enabled. A suction air volume adjustment cock is provided for adjusting air bubble generation/termination and conditioning as needed. The froth layer discharged from the specimen tank is received in a separate retainer for measurement of the total amount.

Specimen	75g
Specimen Tank	capacity 5 L , made of SUS-304 (lined with glass)
Concentration	1%
Rotation Speed	900 to 2,500rpm
Referential Standard	J.TAPPI No.39 (Deinking test method for waste paper)
Power Source	100/110VAC 50/60Hz 5A
Outer Dimensions	350×680×1,380mm
Instrument Weight	92kg