KRK KUMAGAI RIKI KOGYO

2542-4Semi-Auto Sheet Former

Model No. 2542-A

This machine automatically performs all steps, water feed, agitation, and drainage, following the preset values of water level, timer, and pressure. You can form paper sheets efficiently and rapidly with this machine.

You can set the water feed level as desired. When the preset water level is reached, the water is agitated with air for the preset duration. After the water surface has stabilized the water is drained.

Repetitive preparation of specimens with a manual agitator is extremely hard labor. The automatic pneumatic agitation in this machine significantly reduces manpower. In addition, it remarkably improves the quality of specimen formation, since manual agitation usually produces differences among workers, which adversely affects paper strength.

The duration of pneumatic agitation is preset by the timer. Agitation stops when the preset time has elapsed. After the water surface becomes stable, water is drained off.

In the couching process, the diaphragm is expanded with air to drain water from the specimen under pressure. Open the drainage tube and put filter paper sheets on the specimen and close the squeezing plate. Then couching starts automatically. The specimen is squeezed under the preset pressure, and the pressure is released when the preset time has elapsed. Open the squeezing plate to take out the specimen.

Specifications

Paper Making

Dimension:	159mm in diameter (standard) 300mm in diameter (Large round type) 250mm square (square type)
Drainage Time (water):	4.0 + 0.2 seconds, 20°C + 1°C (standard type)
Referential Standards:	JIS P-8222-1998, ISO 5269/1, TAPPI T205om88, TAPPI T221om-88 (standard type)
Agitator:	Air pressure 0.1 to 0.4MPa
Couching:	diaphragm, air pressure 0.1MPa
Option:	white water recovery, suction devices (included with 300mm model)
Power Source:	100/110VAC 50/60Hz
Air Source:	0.5MPa
Outer Dimensions:	900 x 600 x 1500mm (standard type)
Instrument Weight:	120kg (standard type)