

Annexure – A

Separating Funnel Shaker

Separating funnel shaker used for shaking two immiscible solvent for extraction of desired constituents from one phase to another should have following features:

1. Easy to operate, wide range of rpm covers all applications.
2. Precision of speed control, feedback loop to a digital controller.
3. Both setting time and processed time must be indicated during timer operation and shaking time can be paused by OFF shaking. Without using timer, shaking time can be checked at any time.
4. Periodic shaking must be available during timer operation.
5. End of session should be marked by audible alarm and the unit should stop.

Technical Specifications:

Shaking Method	Horizontal/Vertical reciprocating type
Shaking Speed	50-300 rpm
Amplitude	40 mm or better
Loading limit	6.0 Kg or better
Shaking Speed Display	Digital LED display
Timer	Digital ON-OFF Timer
Time range	1min - 99hrs 59min /continuous operation
Funnel capacity	Under 500 ml (pear shaped with interchangeable stopper)
Power Supply	230V, AC
Noise Level	Should be very low (approx. 45 db)
Funnel Holder	Should be adjustable for different size of funnel

Spares:

Funnel holders for separating funnel (pear shaped with interchangeable stopper) of capacity (i) 125 ml & (ii) 250 ml: - 01 full set of each for 06 Nos. of funnel.