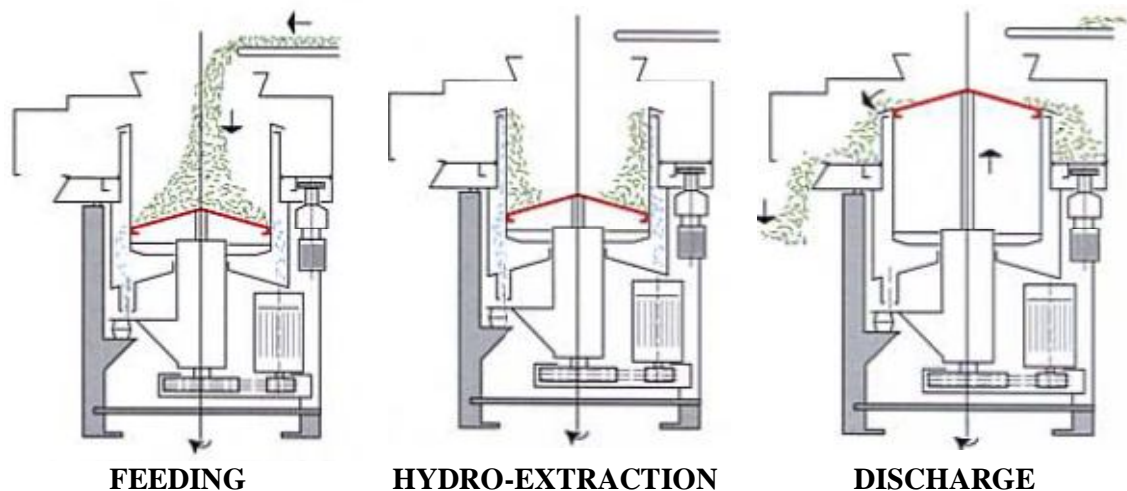


OPERATING PRINCIPLE - MODEL RCPC BATCH AUTOMATIC CENTRIFUGAL HYDRO-EXTRACTOR



- 1- Feeding :** The centrifuge is feed is introduced through the top opening, through an integral funnel on the cover. The basket is rotating at a slow speed to ensure uniform product distribution.
- 2- Hydro-extraction :** The duration of each cycle step and the associated rotational speeds are completely adjustable and are application specific.

Once the feed has stopped, the basket rotational speed increases to the pre-determined set point.

The hydro-extraction time is an application specific parameter and is pre-determined.

- 3- Discharge :** Following hydro-extraction, the basket decelerates to a low rotational speed for discharge.

Discharging is achieved by the upward stroke of a flat or conical pusher plate. The pusher plate extends the entire basket height to transfer the dried product over the discharge ring. With optimized rotational speed, the discharge can be semi-continuous.

The pusher plate retracts and a new cycle begins.