

STEPS OF A TOP DISCHARGE VERTICAL BASKET CENTRIFUGE CYCLE:

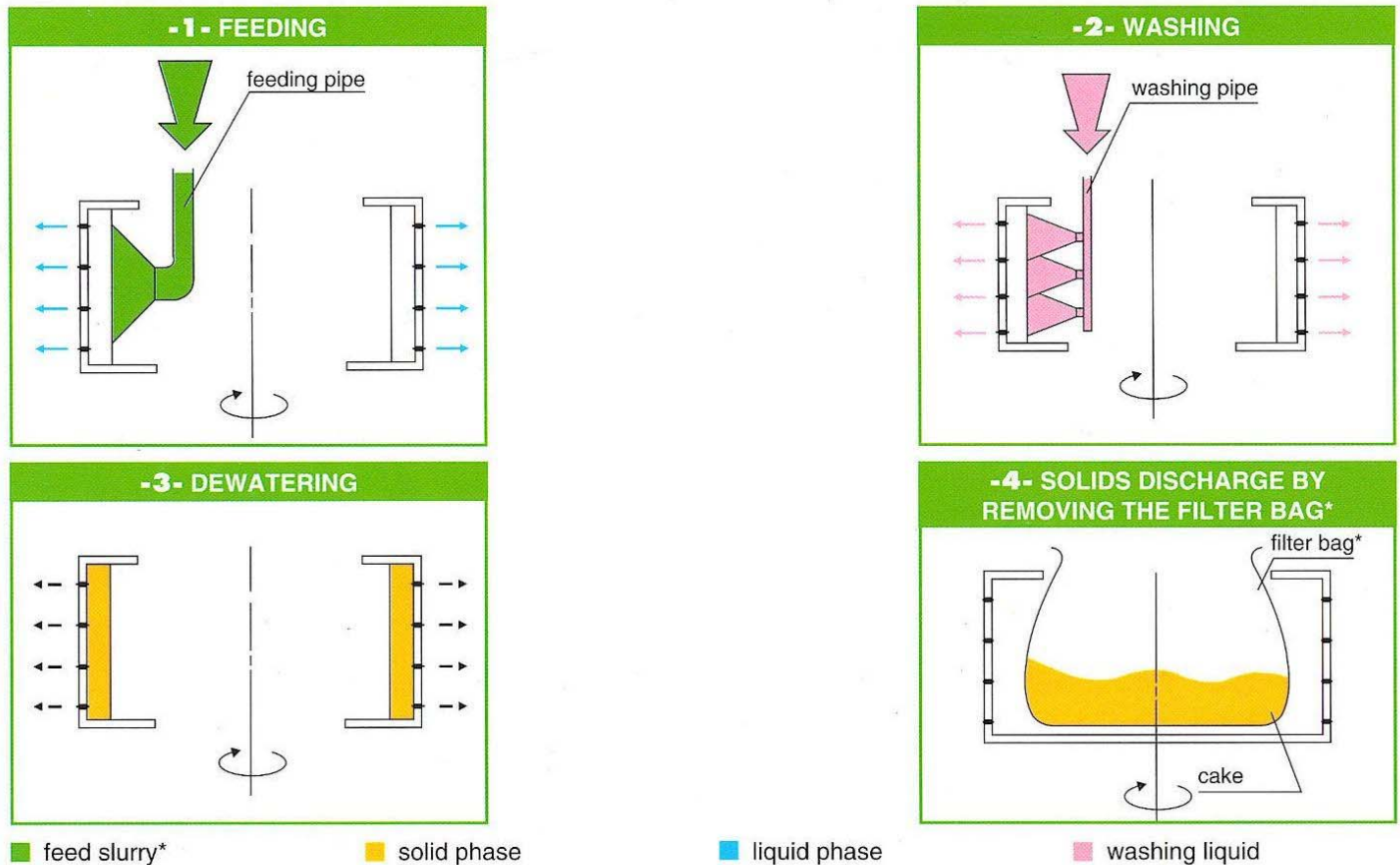


Figure 2: Vertical basket top discharge centrifuge cycle

- 1) **Feeding:** The slurry is introduced to the rotating basket having a filter bag. The filter bag captures the solids. Centrifugal force drives the liquid through the caked solids and the mother liquor is discharged through perforations in the basket circumference.
- 2) **Washing:** A wash liquid is introduced and is driven through the caked solids. The plug flow action of the wash liquid purifies the solids and removes residual mother liquor.
- 3) **Spinning:** Residual liquors are driven from the caked solids and are discharged through the basket perforations to achieve maximum cake dryness.



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- 4) **Solids Discharge:** The filter bag containing the solids is removed from the basket and the filter bag inverts to discharge the solids into a receiver, or the solids are removed by manually scooping them from the filter bag.