

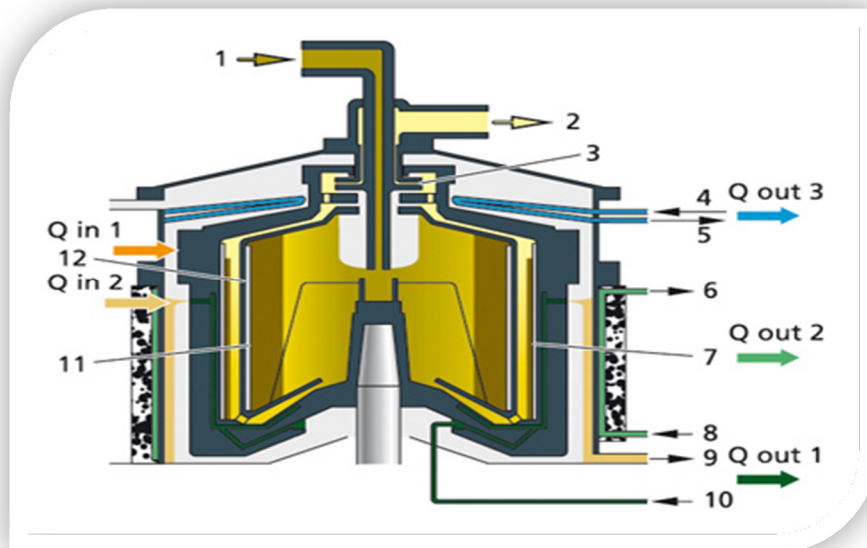
GEA Chamber Bowl Separators

Chamber bowl separators are solid-bowl centrifuges with annular inserts (chambers). They are used for clarification, i.e. the separation of solids from suspensions. The suspension flows through the individual chambers from the inside to the outside, whereby the solids deposit in the chambers. The clarified liquid discharges under gravity over an overflow weir (regulating ring) or is discharged under pressure by means of a centripetal pump.

The machines must be shut down to empty chamber bowl separators; the separated solids are removed manually.

Application criteria for chamber bowl separators are:

- Due to their discontinuous operating mode, chamber bowl separators are suitable particularly for batch processing.
- Chamber bowl separators feature excellent flow characteristics inside the bowl. They are therefore ideal for polishing suspensions, i.e. for separating smallest solid contents.
- Due to the long retention time in the centrifugal field, the separated solids are recovered in a very compact state.
- Chamber bowl separators can be used when processing with centrifuges equipped with an automatic discharge system is not possible owing to certain characteristics of the solids like insufficient shear stability or excessive erosive effect.



Chamber separators type BKA / BKB