



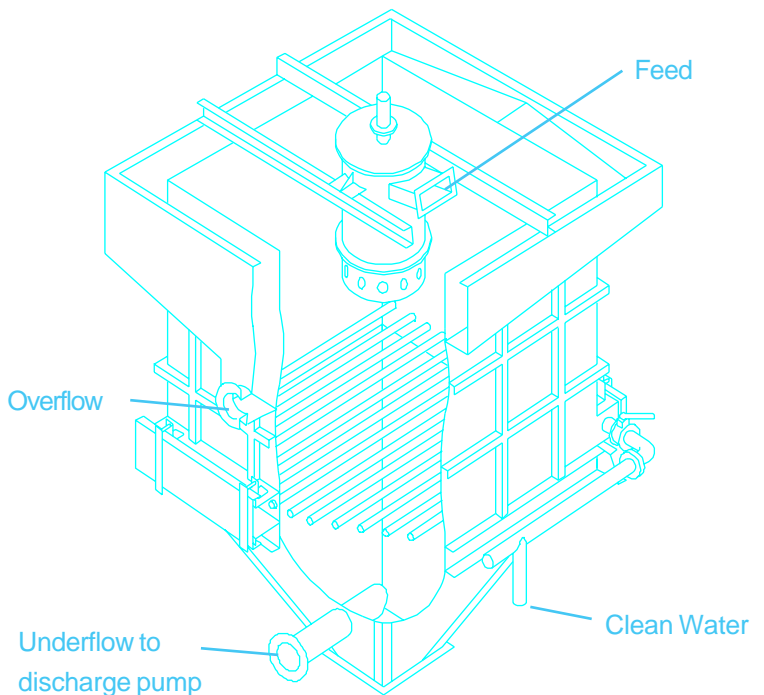
# UPWARD CURRENT TANK

# THE FLOATEX UPWARD CURRENT TANK

The **Floatex Upward Current Tank** is a simple, but highly effective machine for the removal of silt/slimes, based on principles used in one of the first machines introduced by Floatex in 1946.

- **Replaces** complex counter current cyclone washing systems, with one single washing stage.
- **Reduces** silts to acceptable levels.
- **Improves** the effectiveness of attrition scrubbers by removing the free silt content of the feed.
- **Reduces** water consumption by introducing the wash water in a manner that ensures its maximum effectiveness.

The **Upward Current Tank** operates on the principle that silts, which are slow settling, will report with the feed water. Clean water or wash solution is introduced through an arrangement of perforated spray pipes spaced across the lower section of the tank, resulting in an interface through which the feed water is unable to pass.



The granular material settles past this interface and passes through the spaces between the spray pipes. Beneath the level of the spray pipes the tank is closed by a cone to which the pump suction is connected. The clean underflow is then pumped to the next process stage.

The silts and feed water is overflowed via a peripheral launder. The degree of silt removal can be controlled by the amount of clean water introduced via the spray pipes, the maximum removal of silts is achieved when the clean water is slightly in excess of that required by the discharge pump.

If the quantity of water available is not sufficient to meet the requirements of the discharge pump, options are available to use the overflow of subsequent dewatering systems, which have a lower silt content to supplement the wash water.



## FLOATEX SEPARATIONS LTD

2 DAIMLER CLOSE, ROYAL OAK, DAVENTRY,  
NORTHAMPTONSHIRE. NN11 8QJ UK  
TEL: +44 (0)1327 310222  
FAX: +44 (0)1327 310123