



60L Settling Cone

Operation and Maintenance Manual

Parts Supplied

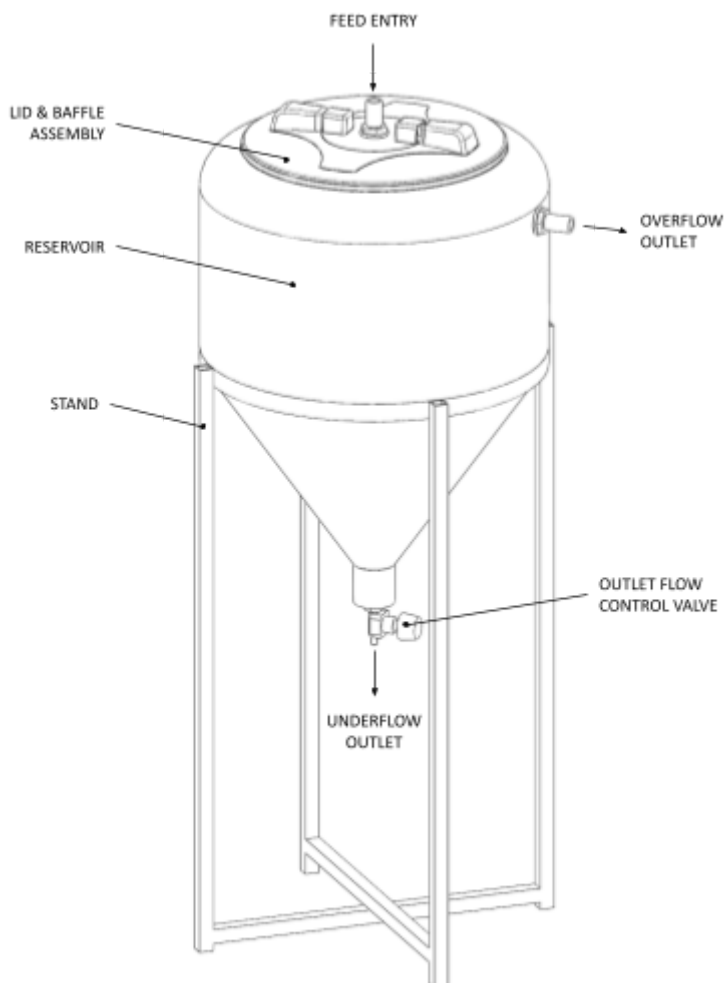
- Reservoir Assembly
- Stand

Assembly

1. Fit the reservoir assembly to the stand.
2. Tighten the fitting ring using the fixings provided.

Care Points

- Always wear appropriate safety equipment.
- Only suitable for use on a flat hard floor.
- Only suitable for use with water based slurries.
- Entry flow rate must always be greater than underflow flow rate.
- Blockage can occur if the underflow flow rate is too low.
- Not suitable for slurries with particles greater than 500µm.



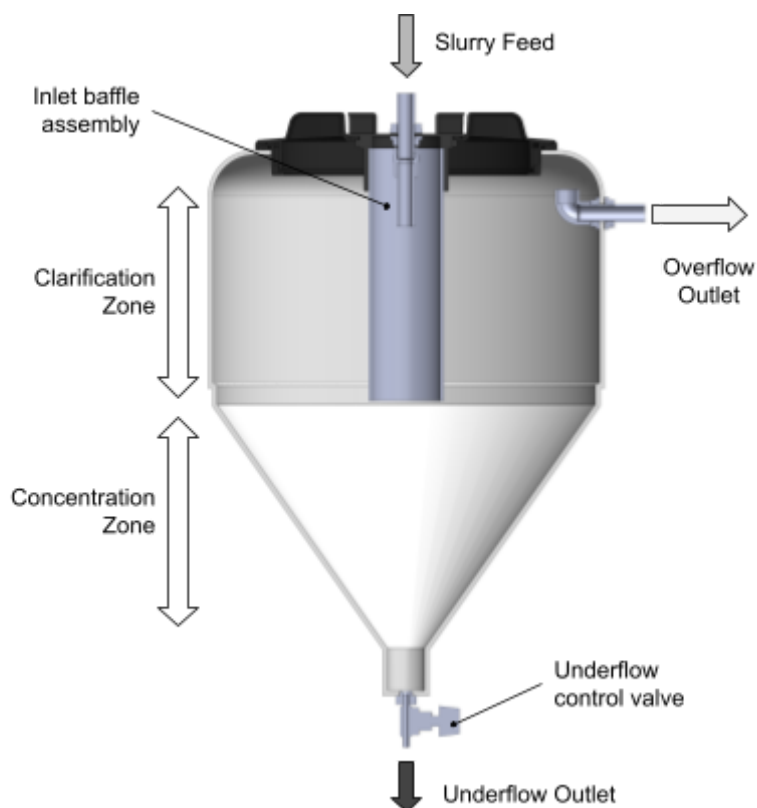
Working Principle

The settling cone is designed to allow solids to settle out of a slurry flow.

Clarified water is displaced to the overflow outlet by slurry entering the cone. Solids settle to the bottom to be extracted via the underflow outlet.

A baffle system within the settling cone prevents mixing of the added slurry with the clarified water.

Overall capacity and separation performance will depend on the properties of the slurry.



Control

Decreasing inlet flow will decrease the loss of solids to the overflow outlet.

- **The entry flow should always be greater than the underflow flow rate.**

Decreasing underflow outlet flow rate will increase the pulp density.

- **Blockage can occur if the underflow flow rate is too low.**

Specifications

- Dimensions: 1184mm H x 522mm W x 470mm D
- Maximum underflow outlet flow-rate (water): 2.4 lpm