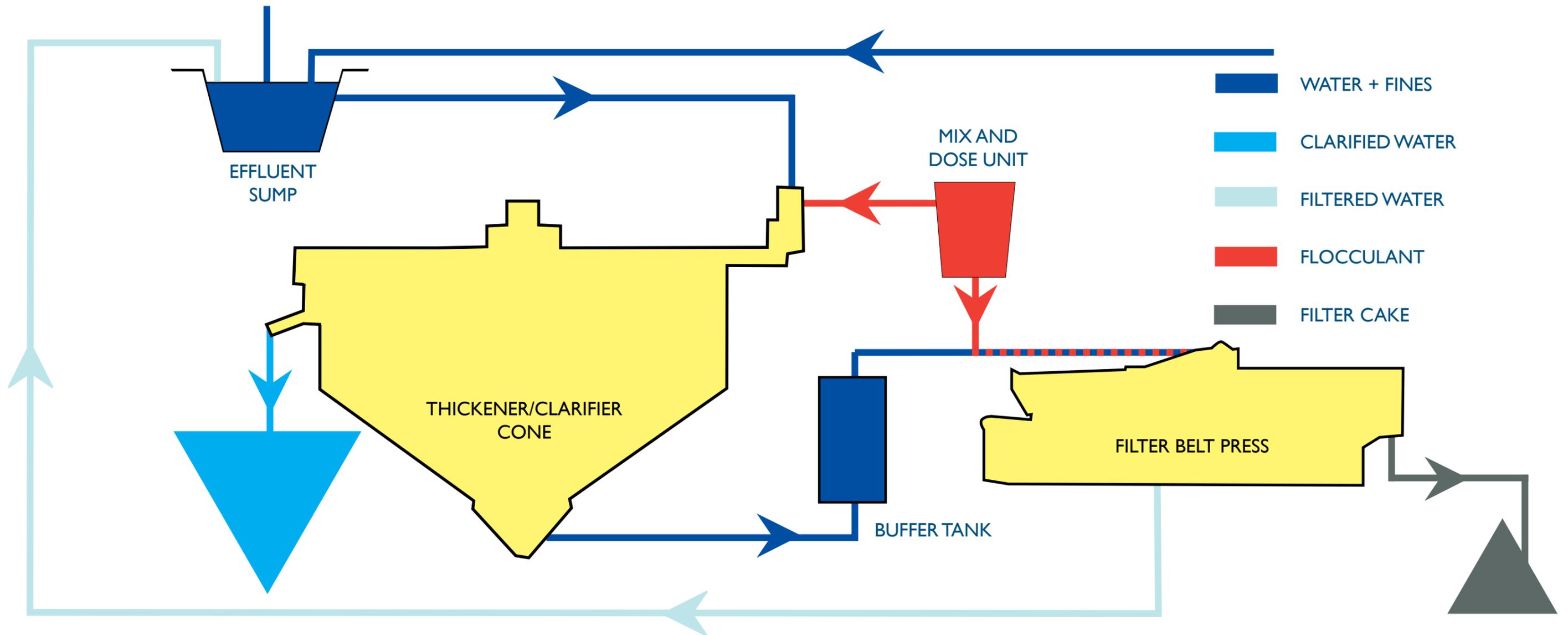


## Thickener Clarifier Cell



# Thickener

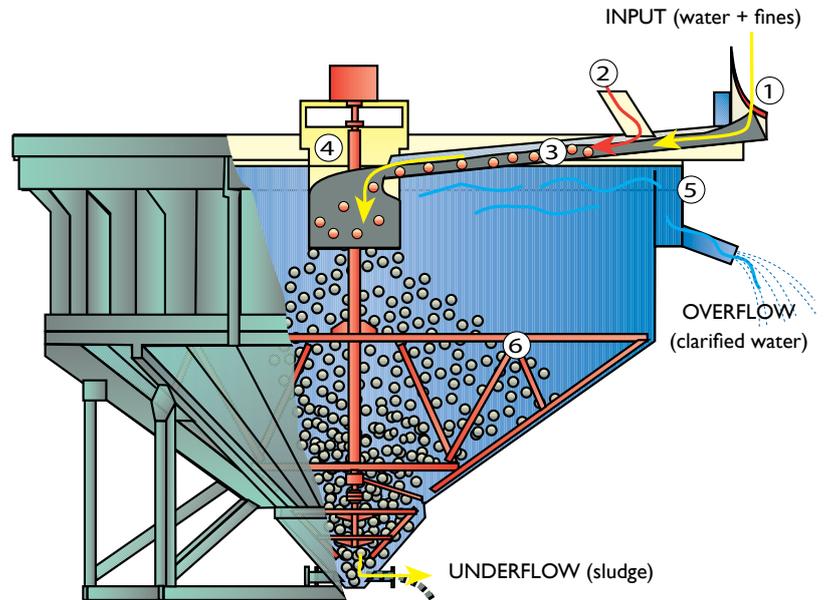


# How it works

The Parnaby thickener/clarifier cones have a special profile and an internal moving rake designed to achieve the rapid settlement of solids in water. We make a range of cones from 3m to 12m diameter capable of throughputs of between 30 and 1,000 cubic metres per hour.

## Benefits

- High throughput
- Low flocculant requirement
- Modular design
- Easily assembled
- Stand alone - surface mounted
- New cones can be added to existing systems



- |                         |                            |
|-------------------------|----------------------------|
| 1. Trash guard screen   | 4. Feed well               |
| 2. Flocculate injection | 5. Overflow collection box |
| 3. Feed chute           | 6. Rake                    |

## Operation

Effluent is pumped from the sump to the top of the cone. A polymer flocculant is added (2) which causes fine particles to bind together and settle rapidly. Clear water overflows from the top of the cone (5) into a storage tank. The sludge at the bottom of the cone (which usually contains 30 - 35% solids) is pumped to a conditioning tank, where this is kept in suspension, to be pumped later to the filter press.

## Our range

