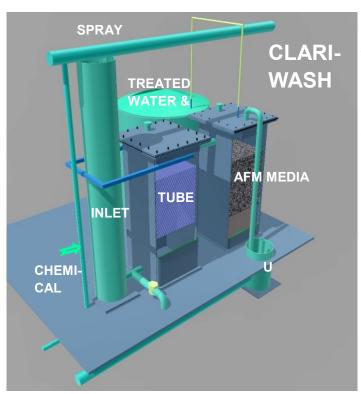
SELF-WASHING FILTRATION SYSTEM (CLARIWASH) OPERATIONAL SEQUENCE



The ClariWash self-washing filtration system is designed to operate without the need for operational input to achieve backwash cleaning of both clarifier and filter. It has no requirement for power supply or control system making it ideal for off-grid locations and where expensive technologies would otherwise breakdown and be difficult to repair/maintain.

The following sequence of diagrams demonstrate the method of operation of the self washing function.

The treatment stages of the system are as follows:

1. **Spray aeration** to increase dissolved oxygen and precipitate dissolved chemicals

- 2. **Tube clarification** to settle out suspended solids, turbidity etc.
- 3. Filtration using a high quality media (AFM or similar)
- 4. **Disinfection** using chlorine dose and an associated contact volume

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