

# POLYLOK COMPACT UV EFFLUENT FILTER



Patent Pending

Polylok provides a complete solution to meet the most stringent environmental requirements. The Polylok Compact UV Effluent Filter is designed with an integrated effluent filter to protect the UV lamp from excess solids. It reduces bacteria levels from secondary effluent. Every component of the compact effluent filter is engineered and constructed to provide reliable disinfection and superior operational life.

UV disinfection is routinely used in ecological sensitive areas where residuals from chemical disinfection might possibly create problems in the receiving environment. Harmful pathogens and other contaminants, including some that are resistant to chemical disinfection, are rendered completely harmless by the reliable performance of the Polylok Compact UV Effluent Filter.

## ***Features and Benefits***

- Filters effluent to 0.4mm
- Durable materials.
- Does not require a separate chamber, can be installed in a Clarifier.
- Easy to install in existing or new system.
- No chemical residual or harmful by-products.
- Low electrical usage
- Inexpensive to install and operate.
- Fits 110mm outlet piping
- Up to 99.9% reduction of Fecal Coliforms



# PL-UV2: UV DISINFECTION UNIT WITH INTEGRATED EFFLUENT FILTER

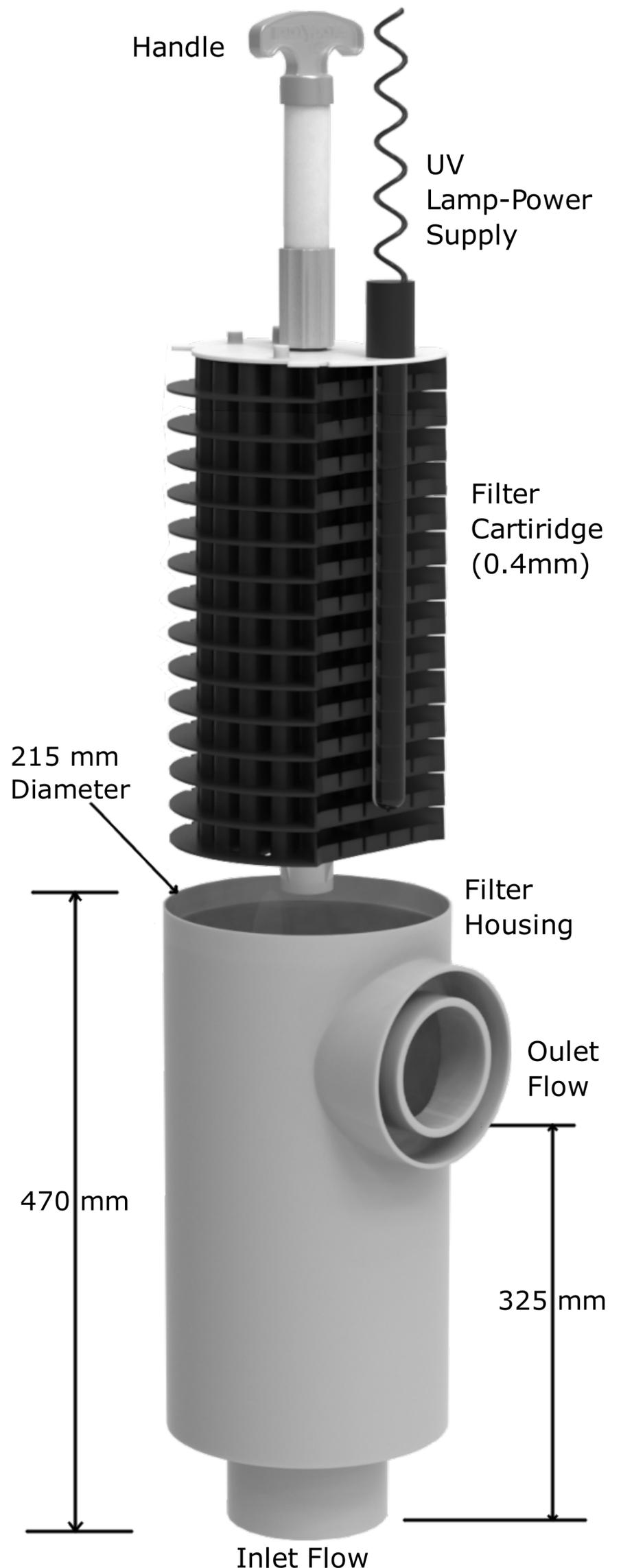
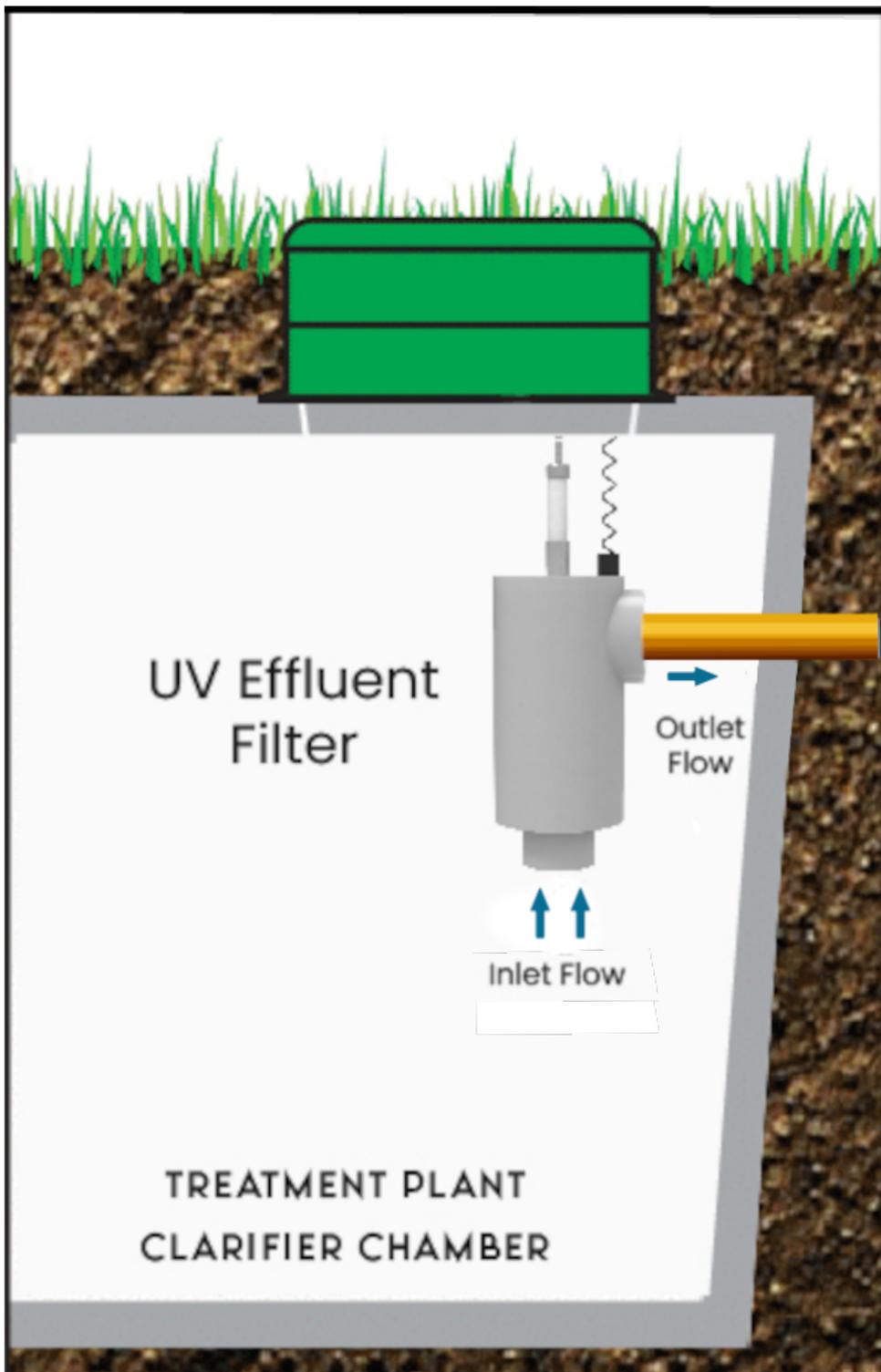


## Flow Rates:

- Up to 3000 litres/day (Gravity flow only)

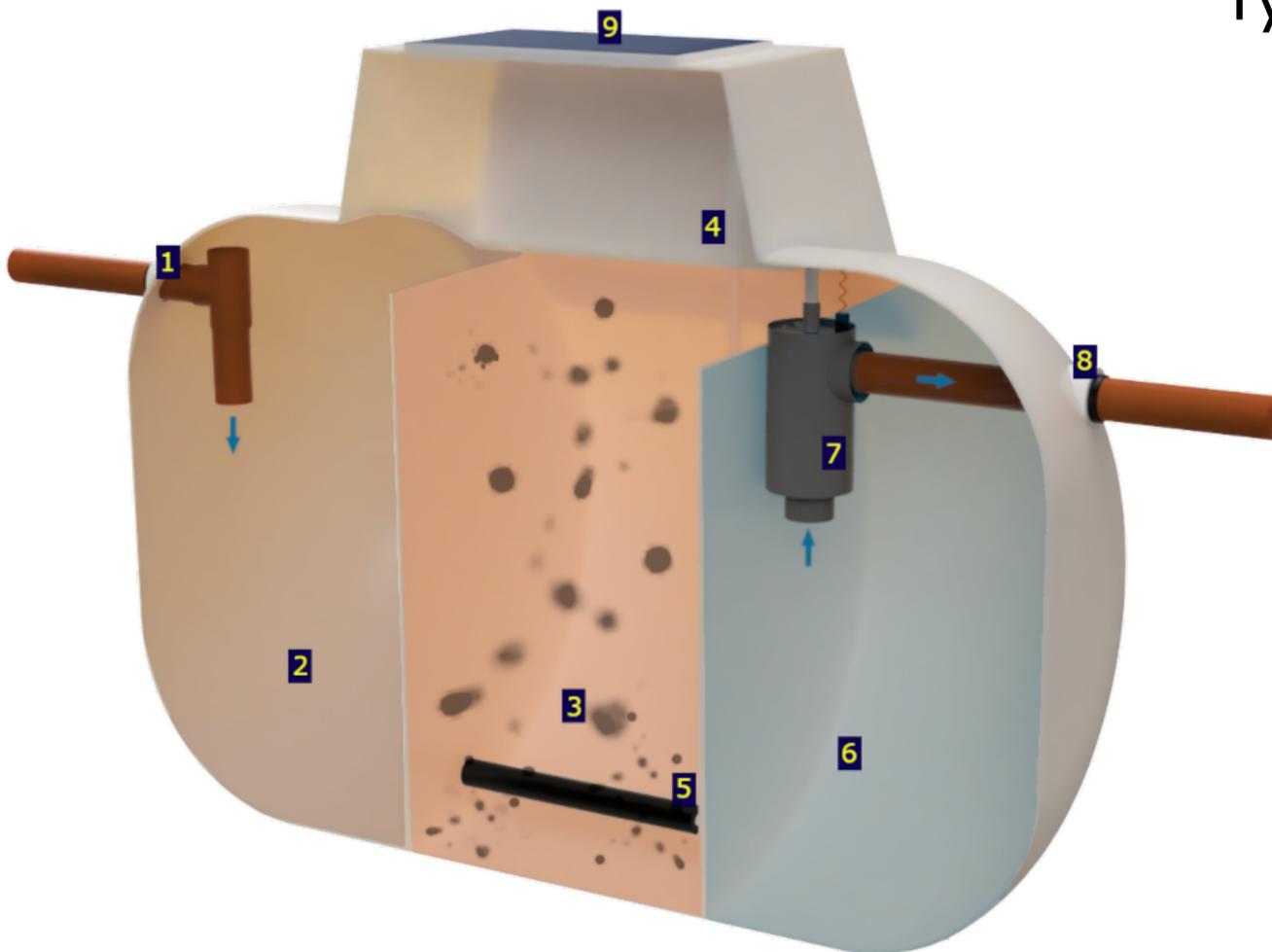
## Required influent characteristics:

- 20 mg/L BOD and 30 mg/L SS, UVT > 70%

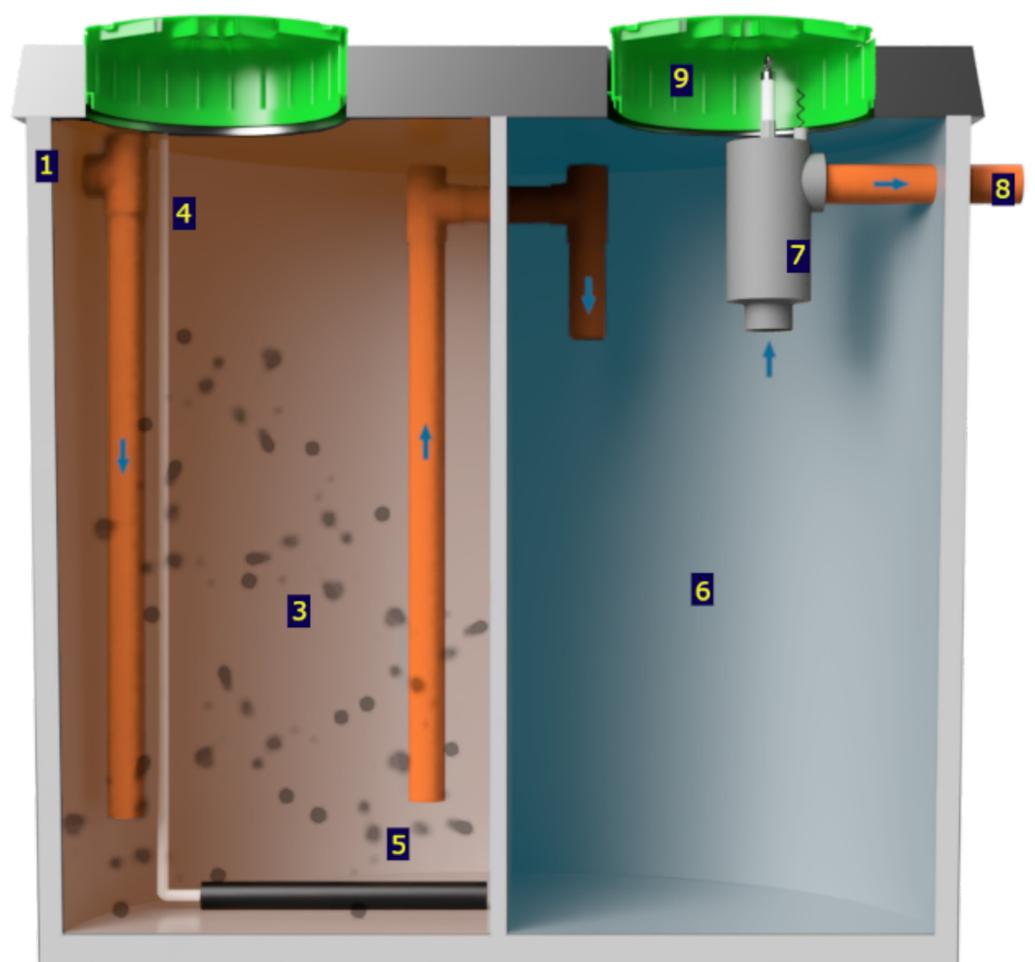


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## Typical Applications



Fibreglass Tank Treatment Plant



Concrete Tank Treatment Plant

1. Inlet
2. Primary Settlement Chamber
3. Aeration Chamber
4. Pressure Pipe for Diffuser(s)
5. Bio-media
6. Final Settlement Chamber
7. Polylok Compact UV Effluent Filter
8. Outlet
9. Access Lid