

Envetec GENERATIONS[®] Filtration System

GENERATIONS is the first onsite treatment technology to feature an effluent particulate filtration system as standard.

Why is it important?

Effluent filtration is essential for ensuring the safety of discharge to drains, meeting increasing regulatory requirements, and adhering to corporate and local effluent guidelines.

Unit Specifications

The GENERATIONS filtration unit has been designed for ease of installation. The main requirement for installation is adequate access to drainage.

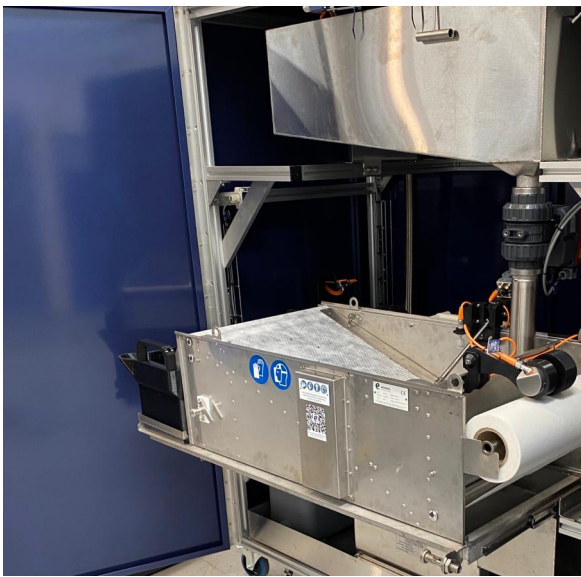
Height	1975 mm
Width	1610 mm
Depth	860 mm
Weight	450 kg
Filter Media	90 - 200 µm*
Software	Powered by Siemens
Flow Rate	150 L/min

Post Filtration Effluent

PH	6.6 - 7.5
Turbidity	40-50% reduction
Suitable for Drain?	Yes

*Dependent on product selected. Refer to manufacturers data for latest specifications.





GENERATIONS Filtration Process

Step 1: The waste liquid and suspended solid solution are pumped from GENERATIONS dewatering auger to the top tank of the filtration unit.

Step 2: Modulating valve transfers the waste liquid and suspended solid solution to the filter bed.

Step 3: The waste liquid and suspended solid solution are filtered through filtration media with a pore size optimised for the site waste stream. Ranging from 90µm to 200µm

Step 4: The treated wastewater is now safe and directed to drain



Additional Technical Specifications

- GENERATIONS Filtration unit is CE Compliant
- Unit is a aluminium profile frame construction, internal product contact components are ASI 304 s/s . The unit is mounted on lockable swivel castors for ease of movement with adjustable mounting feet for levelling at final location
- Power requirements: 3-phase 400Vac (powered from GENERATIONS main unit)
- Connections: 1 ½" flexible hose with 1 ½" sanitary Tri-clover type connections from Auger pump outlet to filter inlet and from filter outlet to sewer drain

