AeroCell®

Open Cell Foam Biofilter

1. Collection

Sewage flows from the home or facility into a watertight primary tank or chamber. The solids settle and the liquid effluent flows by gravity through an effluent filter to the system.

2. Treatment

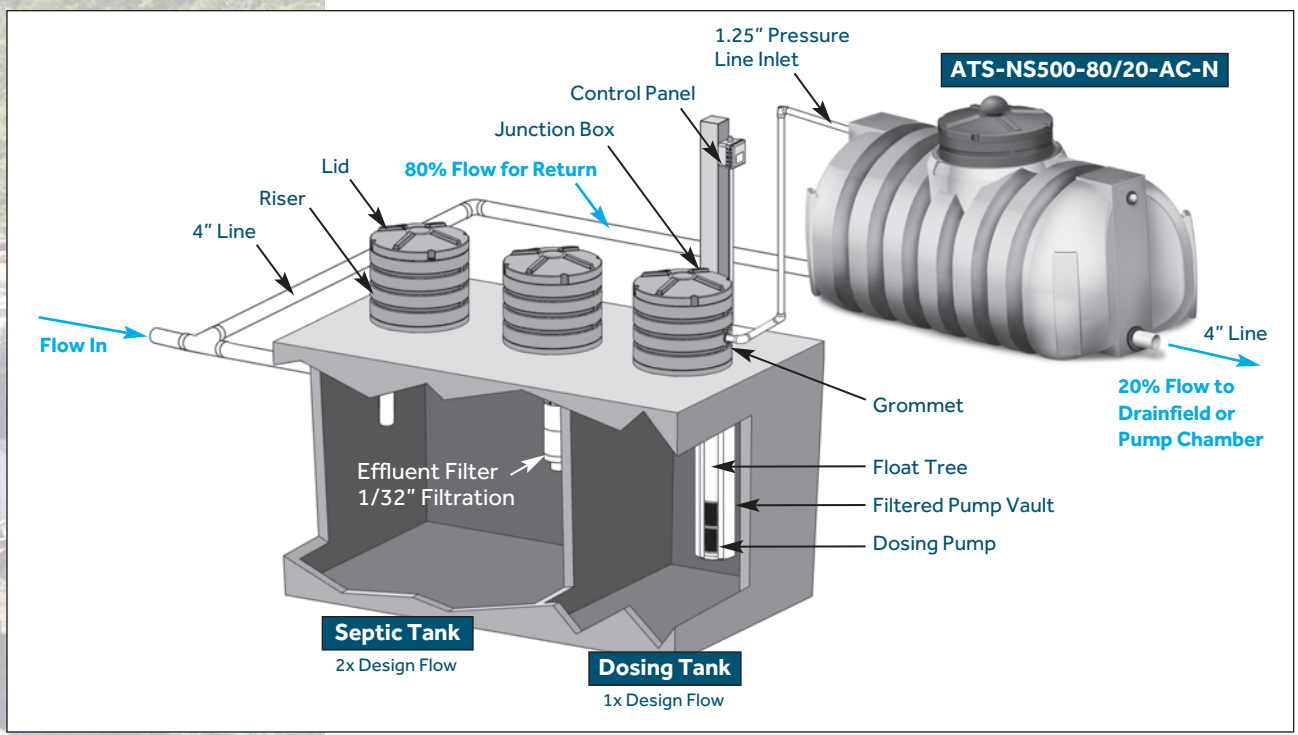
The AeroCell Recirculating Media Filter provides biochemical treatment through passive biofiltration principles. The open cell foam cubes are uniform and provide ample surface area for biological growth. The media contains many voids to accommodate optimum air flow and water flow. Pretreated effluent is sprayed over the media using specially designed helical spray nozzles that provides even distribution over the entire surface area within the pod. Treated effluent is recirculated multiple times which optimizes treatment.

3. Dispersal

The highly treated effluent exits the 20% side of the pod and flows into a gravity drainfield or into a pump chamber for dosing LPP, drip irrigation, or other pressurized drainfields.

Treatment Performance

Parameters	Typical Values
BOD_5	≤10 to ≤30 mg/l
TSS	≤10 to ≤30 mg/l
Total Nitrogen	≤20 mg/l



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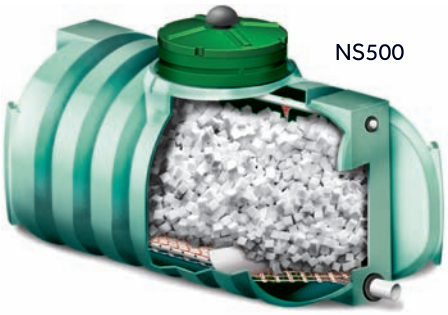
NS Models

Model Number	Design Flow (GPD)
ATS-NS500-AC-N	500
ATS-NS750-AC-N	660
ATS-NS1000-AC-N	800
ATS-NS500-80/20-AC-N	500
ATS-NS750-80/20-AC-N	660
ATS-NS1000-80/20-AC-N	800
ATS-NS500-2-80/20-AC-N	1000
ATS-NS500-3-80/20-AC-N	1500
ATS-NS750-2-80/20-AC-N	1320



NS500

NS750

NS1000

Pre-assembled Pod

- Flexible configurations
- Multiple sizes available
- Lightweight pods
- Synthetic media
- Unique 80%/20% effluent splitting
- No gravity recirculation valve needed

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Only pods bearing the NSF® mark are certified to NSF/ANSI Standard 40, Class I