Single Container Advanced Treatment
Two Systems...One Solution!
Effluent Path

- 80% Recirculation Line
- 100/80/20 Recirculation Device
- Control Panel
- SCAT Module
- Inlet
- STEP System
- A300 Series Effluent Filter
Applications

- Single Family Residential
- Commercial
- Cluster/Community
- Sensitive Environments
Commercial
Cluster Community
Sensitive Environment

Actual effluent sample from NSF testing facility
Installation
Pre-Treatment

Install the Zabel A300 Series Filter in the septic tank.
Access System

Install Quanics Access Systems
STEP System

Install the Quanics Filtered Pump Vault and STEP package
Place the module on a level site. Aerocell can be carried into place. Bio-COIR must be moved with heavy equipment.

Pre-plumbed pipes are attached with unions. The air vent is glued on.
Treatment Module

Connect piping
Recirculation

Adjust the recirculation device and cover it up. After the effluent works its way through the SCAT system, it will go to the Recirculation Device. Adjust all the outlet openings by turning them so the levels are all equal. This is how you get the 80% back to the tank and the 20% to the drainfield.
Operation

Fill the septic tank and turn the pump on. Then set the pressure at the spray nozzles from 5-8 psi.

Set timer to design dose
Maintenance (at six month intervals)

- Septic Tank
- Effluent Filter
- Dosing system
- Treatment Module
- Recirculation Device
- Dispersal System
Septic Tank

- The tank should be inspected for excessive scum and solids build-up. Determine the pumping frequency.

- Homeowners should be encouraged not to use excessive amounts of cleaners. Also, limit non-biodegradable materials such as grease, garbage disposal, personal hygiene products, chemicals, diapers, etc.
**Effluent Filter and Pump Vault**

- Inspect the septic tank effluent filter and clean as needed.
- Remove the filter plates on the pump vault and clean as needed.
- Installation and maintenance directions are included with the filter and pump vault.
Dosing Systems

- Inspect wiring connections and control panel for proper operation. Correct as needed.
- Inspect floats for proper placement and make sure they are not tangled.
- Activate the pump through the panel or manually trip the floats to test for proper pump operation.
- Activate the alarm system to verify proper operation.
A gray biomat on the media should be present and is normal. An excessive accumulation of solids may indicate that the septic tank is functioning poorly.

If necessary, remove the upper layers of media and clean them by squeezing or rinsing. If you replace media, make sure it is compacted below the spray nozzles.

Remove the spray nozzles by unclipping the clamp from the pipe. Clean of any debris and replace.
Recirculation Devices

• If the recirculation system includes a pump, activate and check for proper operation.
• If the recirculation is by gravity, check by observing the discharge rates and adjust, if necessary by leveling.
Dispersal Systems

• If monitoring ports are installed, check the trenches for excessive ponding. Ponding may indicate poor soil, excessive water use or a timer that is not set properly.

• Inspect the overall system for signs of seepages or excessive vegetative growth. Determine the cause and make corrections.
Your Responsibility to Dealer

- Proper installation
- Completed installation checklist
- Completed operation checklist
Your Responsibility to Quanics

- Proper use of Quanics products
- Proper installation of the system
Quanics Responsibility to You

- Proper training
- Warranty support
- Promoting your professionalism