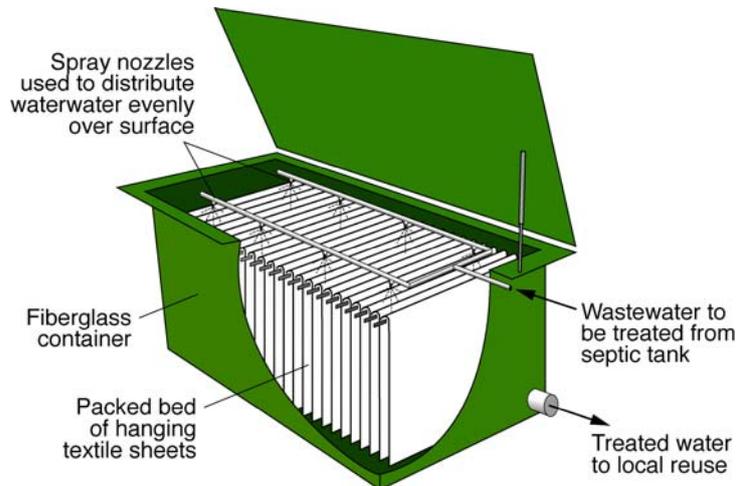


TEXTILE FILTER TECHNOLOGY

The AdvanTex® Treatment Systems are based on packed bed filter technology — a reliable, proven method for treating onsite wastewater.

Orengo's engineers have optimized packed bed filter technology over the past 20 years. Instead of using sand or gravel for the filtering media, the AdvanTex product line uses an engineered textile. Textile is much more

efficient than sand or gravel because it has about five times more surface area. That's why, with textile filters, you can treat the same amount of wastewater in a fraction of the space.



Wastewater percolates both through and between the sheets of textile media. A visible biological film normally develops on the filter medium within a few days. BOD₅ and TSS reductions occur almost immediately.

The AdvanTex® Treatment System is a recirculating process, which increases effluent quality and reduces nitrogen. AdvanTex Treatment Systems produce effluent that exceeds Secondary Treatment Standards, even under peak flow conditions. The systems can be operated in one of two Modes, depending on the desired degree of nitrogen reduction.

The AdvanTex® Treatment System discharges small amounts of treated wastewater at timed intervals throughout the day. The effluent is so clean (typically 5 mg/L BOD₅ and TSS) that it can be used for drip or subsurface irrigation or discharged to shallow, inconspicuous trenches. Reductions in drainfield size are often permitted with AdvanTex® Treatment Systems.