



UTS-P™

An innovative and versatile treatment system for the removal of turbidity, giardia, cryptosporidium, TOC, color, and many other surface water contaminants.

The UTS-P™ meets or exceeds USEPA, Canadian, and Ten States treatment standards.

The tried-and-true physical-chemical treatment system for surface water has just been dramatically improved!

Tonka Equipment Company's **Unitized Treatment System with inclined plate technology (UTS-P™)** has arrived. This treatment system includes two-stage flocculation, inclined plate clarification, and filtration in a high-performance package plant. We've combined state-of-the-art inclined plate and sludge withdrawal technology with Tonka's proven Simul-Wash™ backwash system to produce a simple-to-use, yet highly versatile treatment plant. The Tonka UTS-P™ is capable of treating the most challenging waters while conserving backwash waste.



The Inclined Plate Advantage

Inclined plate technology offers better process control, higher throughput capacity and increased treatment efficiency over any other packaged surface water treatment system. The inclined plates are arrayed in steep rows to avoid the plugging associated with flat plate designs. The steep row design maximizes projected square footage, minimizing footprint. This array forms an extremely solid deck that is strong enough to be walked on while providing superior settling. Individual plates can be easily inspected and removed from above for maintenance without draining the basin or disassembly of any components. Stainless steel plate and collector construction provides superior strength and durability. The plate settler system is provided with a programmable controller that activates a floor-traveling sludge removal suction system that assures positive sludge withdrawal.

Versatility

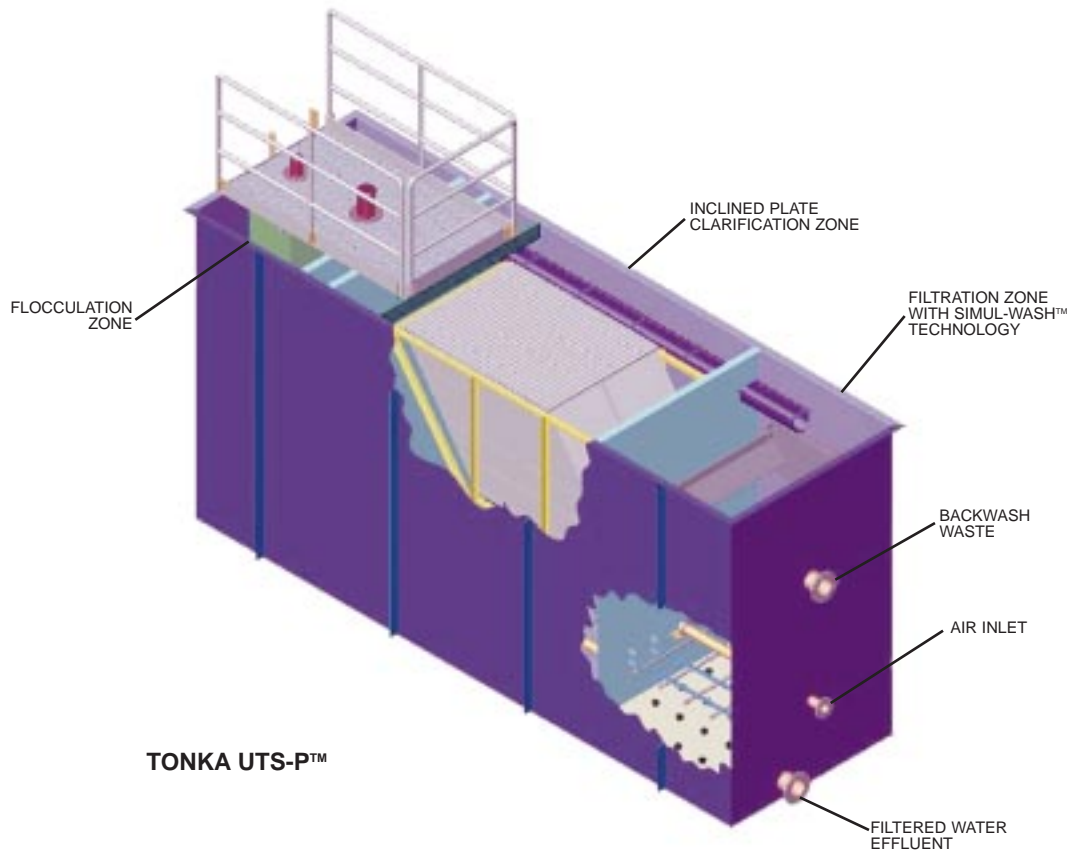
Whether it's the cold, clear waters of northern Canada, or the warm, organically tinted waters of the southeastern US, Tonka designs the UTS-P™ to meet your application. The flexibility and simplicity of the UTS-P™ brings the time-tested conventional technologies of flocculation, clarification, and filtration into the 21st century in an optimized treatment unit. Customized for your specific needs, the UTS-P™ is designed for use with chemical additions such as alum, polymer, PAC, and many others. It meets all USEPA, Canadian, and Ten States Standards for turbidity and bacteria removal, enhanced coagulation, pH adjustment, and all other standards necessary for potable drinking water.



TONKA EQUIPMENT COMPANY

Since 1956 Tonka has completed over 1500 successful installations in the United States, Canada, and Puerto Rico.

Isometric UTS-P™ design



Material Selection

To provide the utmost in customized alternatives, we offer the UTS-P™ in carbon steel, stainless steel, or marine grade aluminum construction. Whatever your environmental requirements may be, we have the right material for you.

Simul-Wash™

Independently verified as the best way to clean a filter bed, Tonka's UTS-P™ utilizes collapse-pulse backwash technology by combining air and water at subfluidized flow rates. The specially designed Simul-Wash™ trough allows the simultaneous air/water backwash cycle to be performed indefinitely without the loss of media. Our unique collapse-pulse backwash system extends filter runs, lengthens the useful life of the filter media, prevents mudballs, and frees nearly all captured filter debris – all while using 50% less backwash water than conventional backwash systems.

We're the Experts

We've been designing innovative, economical treatment systems to produce drinking water for millions of people since 1956, and continue to serve the water treatment industry. We're the "consultant's consultant". Contact your local Tonka Equipment Company representative to discuss how we can help you solve your surface water treatment challenges with the UTS-P™ or other Tonka products.



TONKA EQUIPMENT COMPANY

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