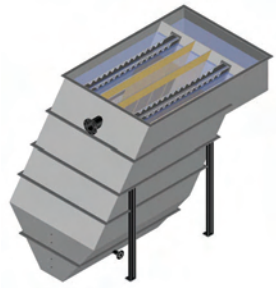
PO Box 530
Momence, IL. 60954
Tel: 815-472-2700
Toll Free: 877-489-2681
Fax: 815-472-2930
www.AppliedMechTech.com

Water / Wastewater Division

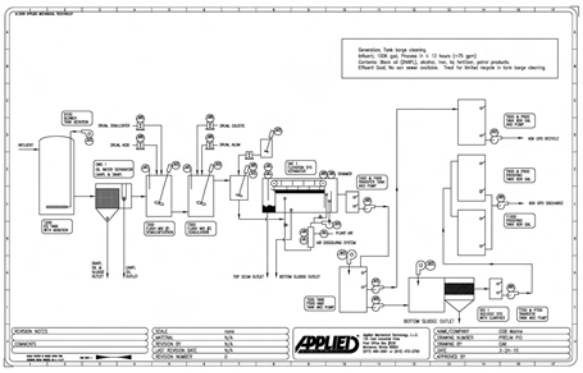


CLARIFIERS – We offer several models of High Performance Inclined Plate Clarifiers that are excellent for separating and removing sinking solids, metallic floc, coagulated solids, sand and grit and any other settlable material from water or wastewater at any flow rate. The clarifiers are available in a variety of configurations and materials to suit any water and wastewater treatment application including NSF61. The ultra smooth steep angle inclined plates and adjustable effluent troughs are designed to get the best possible flow distribution and settling performance. The bottom sludge chambers gently thicken the sludge. Bottom augers available on some models.

FLOTATION – We offer a complete line of dissolved air flotation systems. Our systems are carefully designed to create high efficiency dissolved air that is mingled with the water/wastewater in a specially designed reaction chamber to ensure excellent bubble impingement. Bubbles are formed in the presence of particulate creating a strong bubble-particle bond that ensures robust removal and a stout float blanket. Design velocities are carefully selected to ensure the longest residence time in a non-turbulent separation cell. The surface skimmer easily removes the solids allowing the clean treated water to exit. Our DAF is available in a variety of materials and coatings.

FILTERS & IX – We offer a complete line of filters and Ion Exchange Systems including MultiMedia, Silica, Anthracite, Activated Carbon, OrganoClay, Demineralizers, Metal Ion Specific, Organic Traps and Manganese Greensand filters. Our filters are offered in a variety of materials and configurations. Automatic backwash, manual backwash, single and multicell, same source and separate source backwashing, mixed media and IX regeneration. Materials of construction include fiberglass, steel, ASME rated, stainless steel, and various other alloys. Operator interface control panels are provided with large intuitive displays for easy operation without extensive training.

OIL WATER SEPARATORS – Our line of oily water separators provide high performance in a relatively small package. We offer high performance coalescing media separators, open channel separators, and enhanced gravity separators (see DAF below). The high performance coalescing media separators pack a lot of coalescing surface in each cubic foot and are well suited for most industrial oils or other lighter than water non aqueous products. Our open channel separators are ideal for thick non-flowable material with their mechanical surface skimmers and optional bottom augers. Our oil water separators are available in a variety of materials and coatings to suit.



COMPLETE SYSTEMS – Applied Mechanical Technology designs and builds the core technologies and can provide them as individual components, or in a complete water/wastewater treatment system. Our in-house engineering and strategic relationships with key suppliers for instruments, dosing pumps, mixers, pumps etc enable us to provide a complete, fully integrated system with single source responsibility. From Treatability to Turnkey, we can provide a successful project from start to finish.