



## *pH Adjustment/Reaction Tanks/Flocculation Units*

***Enprotec designs and builds its own reaction tanks and chemical feed systems. Years of experience have allowed Enprotec to design and construct reaction tanks and chemical feed systems for all types of applications.***

- *Treatability studies*
- *Analysis*
- *Capital and operating cost preparation*
- *Design*
- *Build*
- *Complete skid mounted/modular treatment systems*
- *Installation*
- *Parts management*
- *Client satisfaction*

### **pH adjustment tanks**

- Tank construction from various materials – polypropylene, polyethylene, fiberglass, epoxy coated carbon steel and stainless steel
- Utilizes high speed mixer sized to properly blend the incoming wastewater and the added adjustment chemicals with in the detention time of the mixing tank
- Chemical metering pumps available with on/off addition to 4-20mA control to maximize chemical usage and desired pH set point
- pH analyzers selected with proper probes for each application
- Complete integration with system control panel or as a stand alone unit

### **Reaction Tanks**

- Tank construction from various materials – polypropylene, polyethylene, fiberglass, epoxy coated carbon steel and stainless steel
- Utilizes high speed mixer sized to properly blend the incoming wastewater and the added conditioning chemicals with in the detention time of the mixing tank
- Chemical metering pumps available with on/off addition to 4-20mA control to maximize chemical usage to match the incoming flow
- Complete integration with system control panel or as a stand alone unit

### **Flocculation Tanks**

- Tank construction from various materials – polypropylene, polyethylene, fiberglass, epoxy coated carbon steel and stainless steel
- Utilizes a Variable Speed Motor controlled by a Variable Speed Frequency Drive
- Mixer design is a paddle style
- The variable speed motor and paddle design mixer allows for the optimal mixing for flocculation growth
- Polymer dilution-blending-feed systems allow for neat polymer to be used as needed without the additional equipment required for day tanks – allows for fresh polymer to be used on a constant basis
- Complete integration with system control panel or as a stand alone unit

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