

## PACKAGE WASTEWATER TREATMENT SYSTEMS

PROTON USA CORP., supplies activated sludge systems to biologically treat municipal or industrial waste water. This system works by providing ideal living conditions for aerobic bacteria and other micro-organisms to decompose the sewage or organic contaminants.

The system provides sufficient oxygen and other elements which allow the bacteria to consume the pollutant organic matter and multiply within the treatment plant. In this way the aerobic treatment removes the pollutants, producing a stable sludge and no odor generation.

The system is sold as packages or to be built in place. When packages are supplied, it takes less than one day to be installed. The air necessary in the system is supplied by a blower and distributed by fine bubble diffusers placed on the bottom of the reactor. The clarifiers are supplied with air lift sludge returning systems or with central or axial drive scraper with pump sludge return.



### ACTIVATED SLUDGE SYSTEM - DIAGRAM

