

# Plate Settler Pilot

## Pilot Plant

The inclined plate separator pilot plant is designed to remove and thicken suspended solids in surface water, filter backwash water, and many other industrial water and wastewater applications. The basic system consists of rapid mixing and flocculation tanks, followed by an inclined plate clarifier with a sludge hopper underneath.

## Pilot Applications

- Municipal water
- Industrial water
- Wastewaters
- Backwash wastewater recovery
- Pretreatment to membranes
- Common contaminant removal: Color, Fe, Heavy Metals, Mn, TOC, TSS, etc.



## Pilot Specifications

Flow Rate	20 to 60 gpm
Dimensions	6' -6" W x 19' -6" L x 14' -0" H
Shipping Weight	12,000 Pounds
Power Requirements	460 V, 25 amp, 3 ph, 60 hz
Connection Sizes	4" Flanged Raw Water Inlet ¾" MNPT Sludge Outlet 4' Flanged Effluent Outlet
Operational Control	Manual
Projected Plate Area	145 ft <sup>2</sup>
Sludge Hopper	64 gal

## The Pilot includes:

- Rapid mixing tank (110 Gal.) w/ .3 HP constant speed mixer
- Flocculation tank (550 Gal.) w/ .3 HP variable speed mixer
- Sludge recirculation
- Control panel for start/stop operation
- Flow meters - influent and sludge
- Chemical feed equipment available
- 15' power cable

Contact WesTech today to implement a pilot test at your facility. Our responsive engineering team will help facilitate scheduling and pilot setup of the plate settler pilot plant.