

COAGULATION/FLOCCULATION STATIC MIXER 7000

A simple 2-stage solution for cleaning wastewater in a compact space.

For use in Coagulation/Flocculation applications where suspended solids and particles must be removed from wastewater and space is limited. A coagulant, added to wastewater downstream of Westfall's Static Mixer Model 2800, undergoes high shear turbulence. Rapid mixing is generated to disperse the coagulant throughout the liquid.

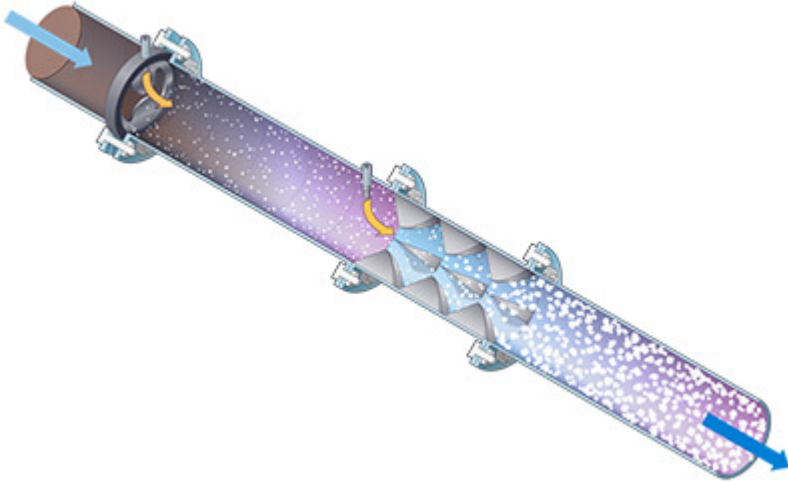
As a result of the coagulant action, charge neutralization occurs and the suspended particles bind together to form larger particles or flocs.

These bonded particles then flow past Westfall's Low Headloss 3050 vanes for slow and gentle mixing with the polymers required to help the particles form bridges and agglomerate into much larger flocs. Once formed, the large flocs are easily removed by filtration, straining, floatation or sedimentation.

This second stage eliminates the need for lengthy serpentine piping.

[About Coag-Floc Article](#)

Watch video of the Coagulation/Flocculation stages in a poultry processing plant in Mexico:



Usage and Applications

- Poultry Processing Plant
- Replacing Serpentine Piping

Common Applications

- Municipal Waste Water Treatment
- Industrial Wastewater Cleaning
- Food Processing
- Arsenic Removal

Benefits and Features

Efficient Treatment in Less Space
Two Mixers in One Pipe
Replaces Serpentine Piping

Plate Mixer Produces Small Floccs
Increases Settling Rates
Vane Mixer Encourages Large Floccs
Low Maintenance/Low Cost
1.5 – 120" Pipe Size
Lasts 40-Plus Years

**ALL OUR STATIC MIXERS, DE FILTERS AND VENTURI TUBES ARE CUSTOM ENGINEERED AND MANUFACTURED.
WE STILL SAVE YOU TIME AND MONEY.**