



MODEL: FB-5



Manufacturing Mass Finishing Solutions

# Settling Tanks and Paper Bed Filtration

## Overview

CLM Vibetech, Inc. settling tanks and paper bed filters play a crucial role in sustainable water management by clarifying effluent (wastewater) for re-use in standard vibratory finishing processes. With water costs rising, these economical solutions are essential for maintaining water quality, maximizing operational efficiency, lowering costs and protecting the environment.

Settling tanks, also known as clarifiers or sedimentation basins, use gravity to separate solids from wastewater. By slowing down the water flow, they allow heavier particles to sink to the bottom. As wastewater flows into the tank, it passes over a series of vertical walls (weirs), which create a cascading effect. Over time, solids (clay and metal) will drop out, thus clarifying the effluent. The larger the tank, the more effective the clarification process is, enhancing the overall quality of the water. Vibetech also offers a dual settling tank version, in which the standard settling tank underneath is coupled with a sloped settling pan on top. This solution forces wastewater to travel uphill before

depositing in the lower tank. It also allows for simpler cleaning and preventative maintenance processes. All settling tanks are offered in carbon and stainless-steel construction, can be customized, and come in many different sizes to meet your specific needs.

Paper bed filters provide high-performance filtration technology, removing solids (down to filter media size) from free flowing and industrial process liquids. They are designed with an auto indexing filter bed system supported by a 60-gallon stainless steel settling tank. As effluent flows into the filter bed, the filter paper removes solids before depositing into the settling tank below. As the filter paper loads up with solids, it automatically advances, presenting fresh filter paper to the inbound wastewater. This feature allows for hands-free continuous filtration and the operator only needs to periodically add a new roll of filter paper. The used filter paper moves to the end of the conveyor (drying out in the process) and into a container, which then can be disposed of without any down time.



## Advantages

- Waste reduction
- Improved product quality
- Reduced water consumption
- Optimized operational efficiency
- Increased cost savings
- Environmental sustainability
- Labor savings with optional automated features

## Results

Wastewater settling tanks and paper bed filters are valuable assets for businesses looking for improved part quality, production efficiency and environmental sustainability. CLM Vibetech aims to make your processes lean, while maintaining water quality and protecting ecosystems. Contact us today to learn more about how these versatile and flexible systems can provide a cleaner, faster and more sustainable solution for your company.

## Key Features

### Settling Tank

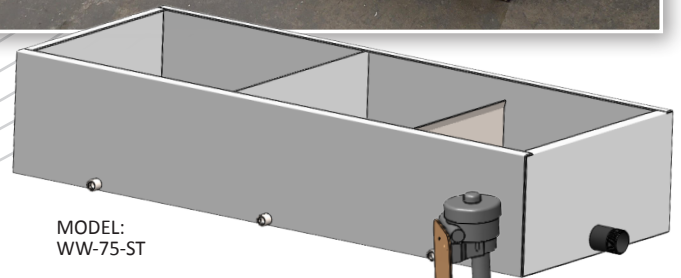
- Carbon or stainless-steel durable construction
- Small footprint and low profile
- Liquid tight, sloping floor with one outlet (dual version)
- Customizable, available in various sizes
- Optional water and compound automation
- Optional oil skimmer and additional flow meter

### Paper Bed Filters

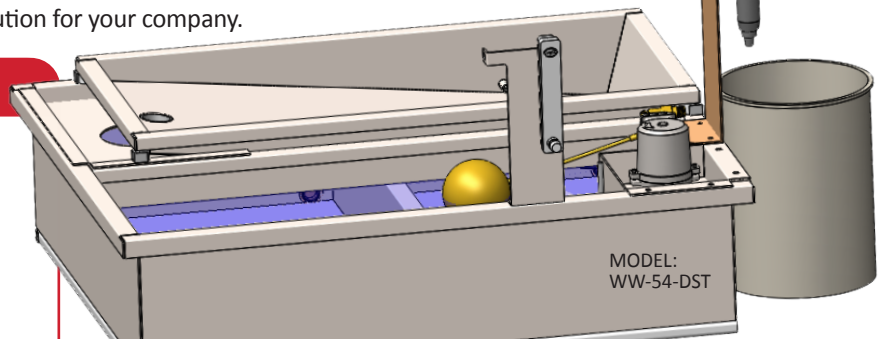
- Automated filter bed advancement
- Stainless-steel clean tank with two weirs and three drain couplings
- Sludge box for filtered solids and used fabric
- Optional mechanical float valve automates the refill of house water as needed
- Optional metering pump allows for the addition of new chemistry at a given percentage



MODEL: WW-54-DST



MODEL:  
WW-75-ST



MODEL:  
WW-54-DST

## Specifications

MODEL	Tank Capacity	Width	Length	Height	Function	Features
WW-50-ST	50 gallons	24"	48"	12"	Settling	2 weirs, 1 baffle
WW-75-ST	75 gallons	24"	60"	12"	Settling	2 weirs, 1 baffle
WW-100-ST	100 gallons	24"	96"	12"	Settling	3 weirs, 1 baffle
WW-150-ST	150 gallons	30"	96"	12"	Settling	3 weirs, 1 baffle
WW-300-ST	300 gallons	60"	72"	16"	Settling	3 weirs
WW-54-DST	54 gallons	42"	47"	13.75"	Dual settling	Upper tray, 1 weir below and built in pump
WW-FB-5	60 gallons	28"	62"	10"	Filtration and settling	Auto filtration on top, 2 weirs in tank below

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