



# VOLUTE™ THICKENER



SIMPLE



AUTOMATED



COST EFFECTIVE

# SMALLEST FOOTPRINT AND LOWEST MAINTENANCE REQUIREMENTS

## Features Unique Thickening Drum Design



### KEY BENEFITS

- ✓ The most compact mechanical thickener
- ✓ 24-hour unattended operation
- ✓ Complete package includes polymer system, optional feed pump, flocculation tank, and controls
- ✓ High solids recovery: (typically over 95%)
- ✓ Very low power consumption
- ✓ Minimal maintenance requirements
- ✓ No wash water requirements under regular operation



Learn more.

### SIMPLE OPERATION

The PWTech Volute Thickener, based on Japanese Volute technology, is now available in the U.S. This fully automated, virtually maintenance-free system is designed to efficiently thicken diluted sludges, making storage, dewatering, or transport more cost-effective.

### SUPERIOR PERFORMANCE

In wastewater treatment, sludge typically contains 0.4% to 0.8% solids. The Volute Thickener can increase solids content to 3%-8% for waste activated sludge (WAS) and up to 16% for primary sludge.

### THICKENING DRUM DESIGN

Sludge and polymer are gently mixed in the flocculation tank, forming solid agglomerations (flocs) and separating free water, and then overflows into the thickening drum. The constant movement of the rings in the thickening drum prevent plugging allowing for very efficient solids capture and efficient operation.

### ABOUT US

Process Water Technologies LLC (PWTech) is based in Rosedale, MD. Along with our flagship Volute technology for sludge dewatering and thickening, we supply sludge handling and CSO / SSO products that are simple, effective and easy to maintain.

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 1.833.888.2651

 [info@PWTech.us](mailto:info@PWTech.us)

 [pwtech.us](http://pwtech.us)

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