

Standard Features

- Hydraulic Driven Rake Drive, No Chains or Belts to Break
- Radial Launder Ensures Uniform Collection
- Coated Mechanism
- Hydraulic Pressure Switch Cutoff Increases Reliability
- Rolled Shell Plate and Anchor Channel
- Rake and Turbine Flanges Machined after Welding to Ease Assembly
- Ladder with safety cage Access
- Chemical Dosing Piping for Coagulant and Polymer to Bridge
- Sample Sink to Sample Various Levels
- External Sludge Recycle to Enhance Sludge Consistency
- NEMA 4 Local Control Box

Upgrade Options

- Sandblasting and Primer Painting of Shell Plate
- Pre-Fabricated and Painted Shells Up to 14' on Request
- Carbon Steel Elevated Floor
- Continuous Analog Torque Output Signal
- Straight or Spiral Stairway Access
- Galvanized Components
- Lime and/or Soda Ash Dosing Piping to Bridge
- Chemical Dosing Skids
- Thickeners
- External Sludge Recycle
- Sludge Handling Equipment
- Sludge Dewatering Equipment



Clarifiers

Design Feed Conditions

- Up to 3% Solids

Applications

- Solids Removal
- Lime Softening
- Caustic Softening
- Lime and Soda Ash Softening
- Silica Reduction with or without MgOxide or MgChloride
- Flue Gas Desulfurization (Custom)

Aquatech WATERTRAK™ Clarifier Models

MODEL Diameter (Ft)	Rake Motor (HP)	Turbine Motor (HP)	Rake torque – AGMA Continuous (Ft-lbs)	Rake torque – AGMA Maximum (Ft-lbs)	Design Flow Rate Normal (GPM)	Maximum Design Flow Rate (GPM)
20	0.5	1.5	14000	28000	314	471
25	0.5	2.0	14000	28000	491	736
30	0.75	3.0	14000	28000	707	1060
35	0.75	3.0	14000	28000	962	1443
40	0.75	5.0	14000	28000	1257	1885
45	1.0	5.0	14000	28000	1590	2386
50	1.0	5.0	27000	34000	1963	2945
55	1.0	5.0	27000	34000	2376	3564
60	1.0	5.0	27000	34000	2827	4241
62	1.0	5.0	27000	34000	3019	4529
65	2.0	7.5	35000	70000	3318	4977
70	3.0	10.0	47000	94000	3848	5773
75	3.0	15.0	47000	94000	4418	6627
80	3.0	15.0	47000	94000	5027	7540
85	3.0	20.0	47000	94000	5674	8512
90	3.0	20.0	47000	94000	6362	9543

Note: Other sizes and special needs are available. Please check with the factory.
 Maximum Overload: The maximum safe, short-term operating torque.

