

# Hydronic T Screening System



Powerful Cleaning Mechanism

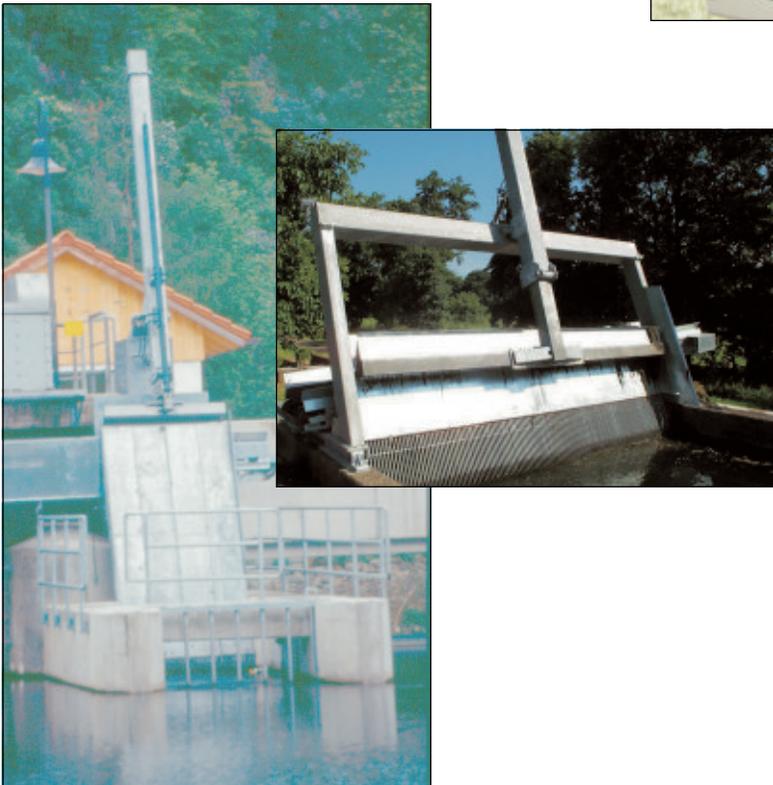


# Telescoping Hydraulic Screening System

The Lakeside/Muhr Hydronic T is a hydraulically operated telescoping boom and rake mechanism for cleaning bar screens, trash racks and intake screens at wastewater treatment plants, stormwater facilities and water intake structures.

Hydraulic cylinders are used to pivot the boom and to extend and retract the boom and rake. Single telescoping designs are typical and multiple telescoping sections are available to expand the rake's reaching capabilities. This telescoping feature saves money when designing indoor headworks systems with deep channels, low headroom or retrofit needs.

The hydraulic power pack (below) allows for greater lifting capacities compared to other screens. Various rake heads are available to fit any given application and are designed to minimize rack wear. The Hydronic T can withstand the toughest applications plants have to offer.



## Hydronic T Advantages

- Design flexibility for new and retrofit applications
- Simple design, fewer parts
- All equipment accessible above channel
- Up to 50-foot chamber depths, 35-foot rack widths
- Rack inclinations up to 90 degrees
- Fine and coarse screening options
- Adjustable pressure on screen for optimal cleaning
- Includes controls for automatic operation
- Galvanized or stainless steel construction

# Sequence of Operation



The rake's arm pivots from park position.



Next, it telescopes to the bottom.



The arm pivots into the rack.



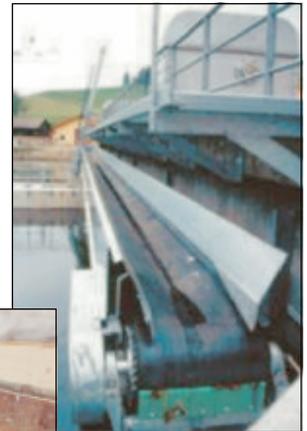
Maintaining adjustable pressure against the rack, it retracts to the discharge point.

# Design Options

The Hydronic T Screening System is available in a traversing design (right) for cleaning multiple screens. Special control options are also available (below).



Optional accessories include a conveying system (right) to transport screenings and the RAPTOR® Wash Press (below) that cleans, compacts and dewateres screenings.



## Treatment equipment and systems solutions from Lakeside

Lakeside offers a wide range of equipment and systems for virtually all stages of wastewater treatment from influent through final discharge. Each process and equipment item that we supply is manufactured with one goal in mind . . . to reliably improve the quality of our water resources in the most cost-effective way possible.

We've been doing just that since 1928.

### Aeration

- newair® Diffuser
- CLR Process
- E.A. Aerotor
- Magna Rotors
- Rotor Covers
- Level Control Weirs

### Clarification

- Spiraflo Clarifier
- Spiravac Clarifier
- Tertiary Treatment using Series Clarification
- Full-Surface Skimming

### Trickling Filters

### RAPTOR® Screening Products

- Fine Screen
- Micro Strainer
- Rotary Drum Screen
- Wash Press
- Septage Acceptance Plant
- Complete Plant

### Grit Collection

- SpiraGrit
- Aeroductor
- RAPTOR® Grit Washer
- Inline Grit Collector
- Model L Grit Classifier

### Submersible Products

- Mixers
- Propeller Pumps
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### Trash & Screen Rakes

### Other Screening Products

- Water Intake Screens
- CSO Screens

### Screw Pumps

- Open Screw Pumps
- Enclosed Screw Pumps



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