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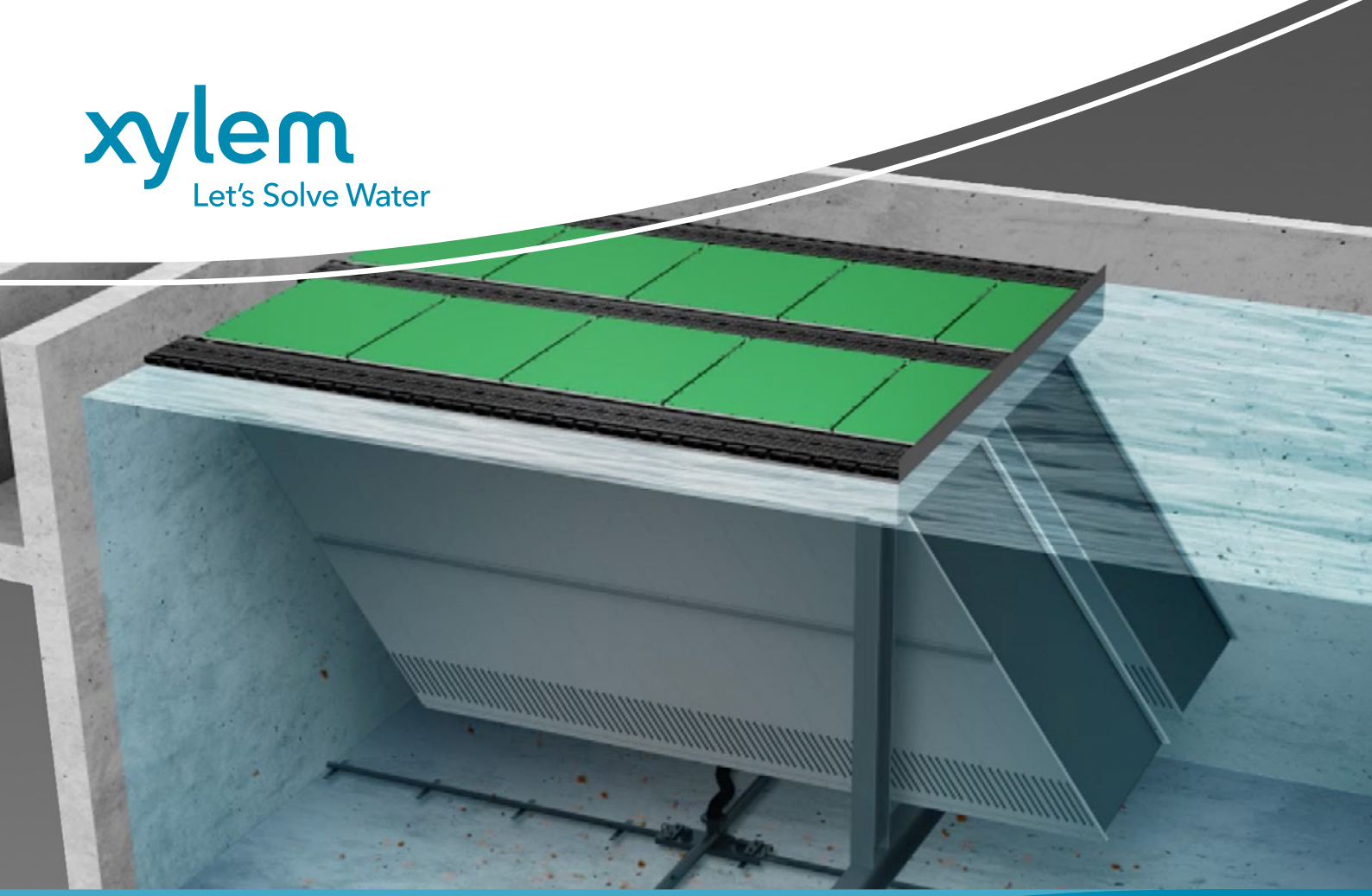


Leopold Texler™ Lamella Clarifier

FLEXIBLE DESIGN FOR EASE AND EFFICIENCY

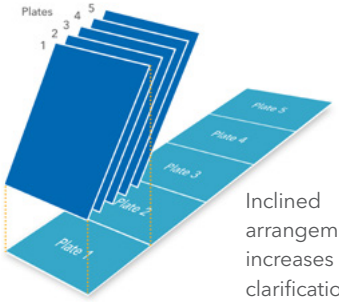
LEOPOLD
a xylem brand

The Clear Choice

The Leopold Texler lamella clarifier uses a series of inclined lamellas designed to fit in rectangular clarification basins, providing a large settling area within a small footprint. With its efficient removal of solids, the Texler process attains very low turbidity levels and improves the filterability of the water.

High efficiency with small footprint

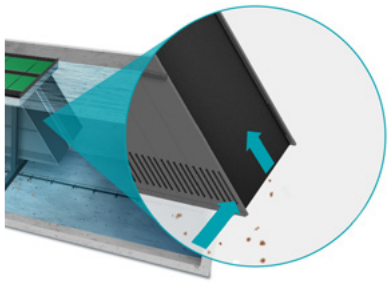
Texler provides a large clarification area basin. The numerous lamella sheets are installed at a 55° angle, increasing the water treatment capacity by up to 100% compared to conventional sedimentation systems. Solids settle without blocking the pathway of the water. The unique trough covers have an integrated v-notch weir design to ensure even flow distribution throughout the length of the clarifier. In this process, solids are reduced by over 80%, resulting in turbidity levels below 1 NTU.



Inclined arrangement increases clarification area

Designed for minimal maintenance

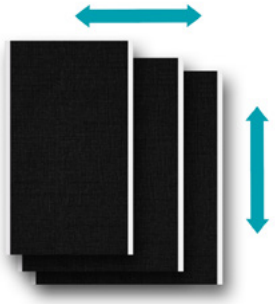
Texler's lamellas are made from a hydrophobic geotextile material, a proven, NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 certified, high-density polyethylene (HDPE) that has been used in the water industry for many years. The repellent and flexible nature of the geotextile prevent sludge accumulation on the lamella sheets, which reduces the need for regular cleaning. The trough covers provide easy access for inspection or service work following local safety protocols. Texler's unique, yet simple design helps minimize service costs.



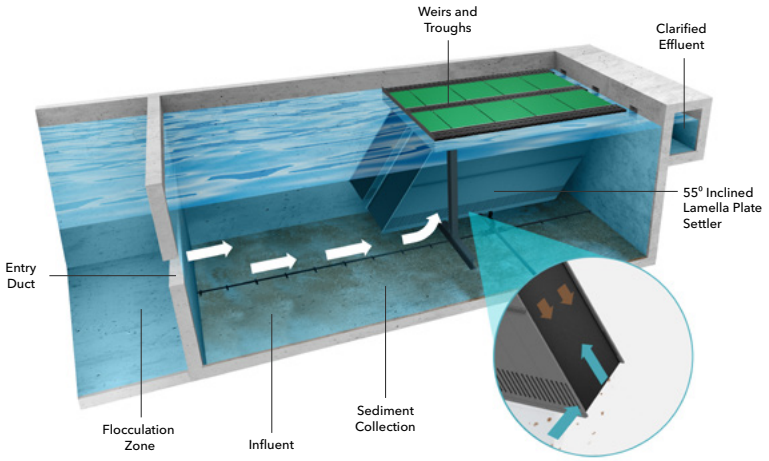
Geotextile material prevents sludge accumulation

Light and flexible for easy installation

Texler is cost-efficient to install thanks to its light and modular design. The width of the lamella sheets can be adapted to optimize the effective use of existing basins, and the use of HDPE reduces manufacturing and installation costs compared to current stainless steel designs.

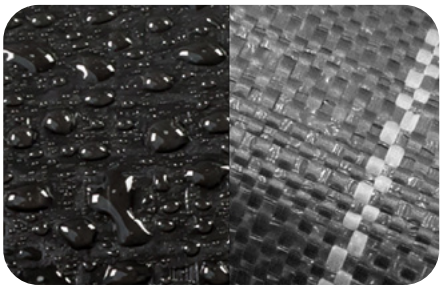


Sheet sizing optimizes retrofit installations



How it works.

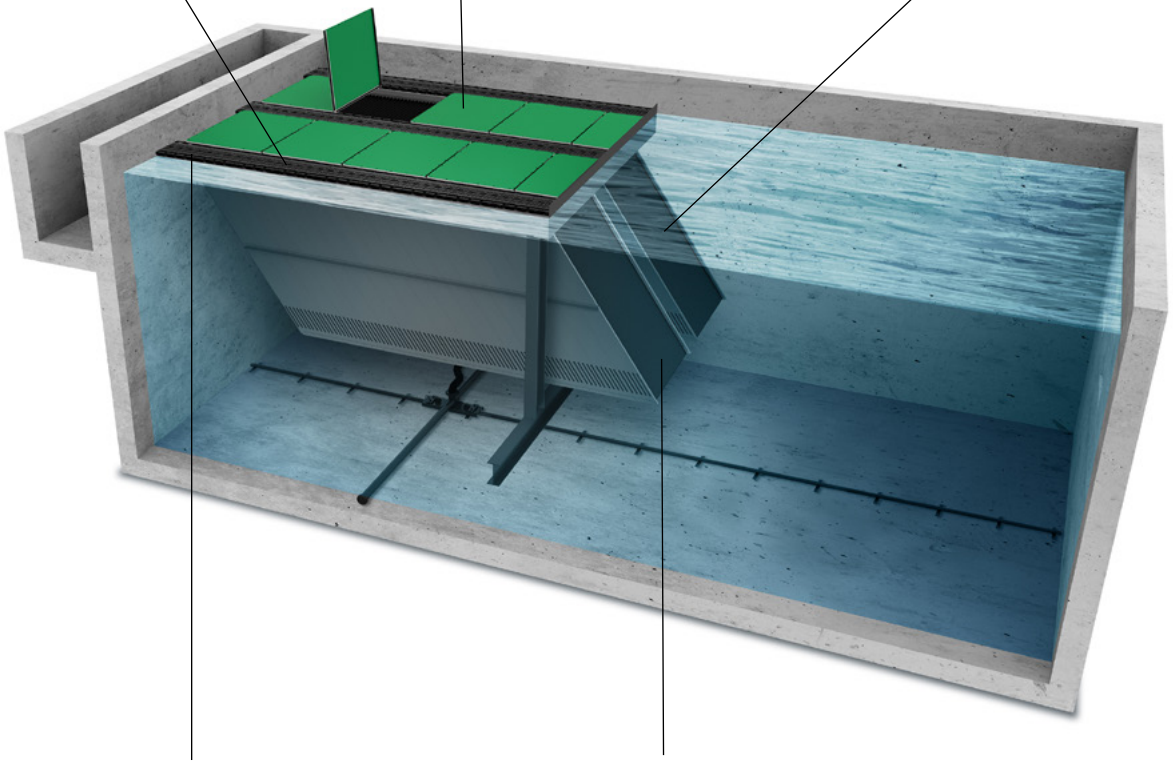
Flocculated water flows through entry ducts into the basin and passes through side orifices of the Texler sidewall. From there, the water travels upwards on the inclined lamella sheets into the v-notch weir. As water flows up, suspended solids settle and fall off the lamella sheet sliding down to the basin floor. The Leopold CT2® sludge collector removes the accumulated solids from the basin floor through differential head.

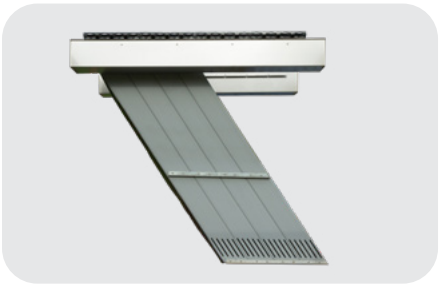


Easy Access
High strength trough covers allow the operator to access the system for inspection or maintenance.

Algae Protection
UV covers absorb 90% of the ultraviolet light and minimizes potential algae growth.

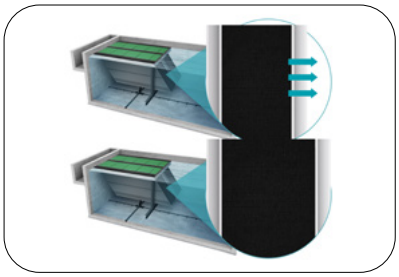
Less Cleaning
The durable HDPE material of the lamella sheets is certified according to NSF standards. Its flexible and hydrophobic nature helps reduce sludge build-up and the need for regular cleaning.

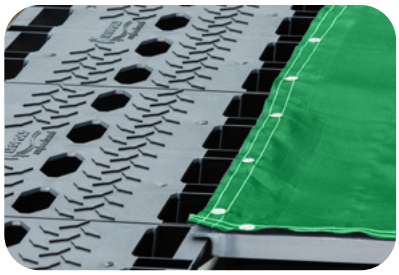




Stable Flow
An integrated v-notch weir in the trough cover distributes the flow evenly throughout the system.

Low Installation Cost
The modular side panels are also made from rigid and light HDPE which reduces the need for additional support structures.





Easy retrofit with customized designs

- Width 24-72 in. (61-183 cm)
- Height 5 - 10ft (152 - 305 cm)
- Lamella sheet centerline 2 in. (5 cm)
- Inclination angle 55°

Trough Cover

- Meets catwalk requirements according to ASCE 7-05
- Width 20.5 in. (52cm)
- Module length 24 in. (61cm)
- UV resistant
- Non-slip surface
- Integrated v-notch weir

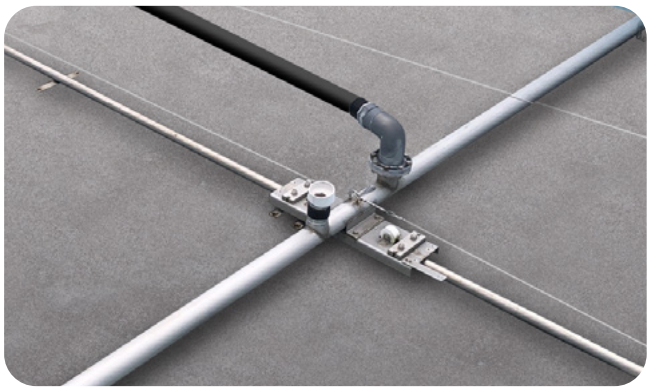
NSF
Certified to NSF/ANSI/CAN 61 & 372

Leopold CT2® Submerged Sludge Collector

Superbly Simple, Highly Efficient Sludge Removal

Reliable, Proven Performance

For more than 20 years, the Leopold CT2 submerged sludge collector systems have quietly done their job, delivering reliable operation, low maintenance costs, and good sludge production in hundreds of facilities worldwide. The CT2 submerged sludge collection system, distinguished by its engineered simplicity, takes sludge removal to the next level. By simplifying the water treatment process, the CT2 sludge collection system increases plant efficiency, and reduces both maintenance time and total system operational costs.



Engineered Simplicity

Engineered simplicity is integral to the design of the Leopold CT2 sludge collection system. It operates on a simple principle and a powerful force: gravity. We've designed a superbly simple but highly efficient process to remove sludge by taking advantage of a differential head. Water pressure in the main tank forces the sludge through the header collector into the outlet piping, and away to the sludge removal trough. Careful selection of smooth-bore piping for the suction header keeps head loss to a minimum for the most efficient sludge removal and low driving head requirements. A simple cable drive moves the suction header across the tank floor at a steady, controlled rate, removing sludge without disturbance. Pumping costs are eliminated and cable drives require far less power.

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