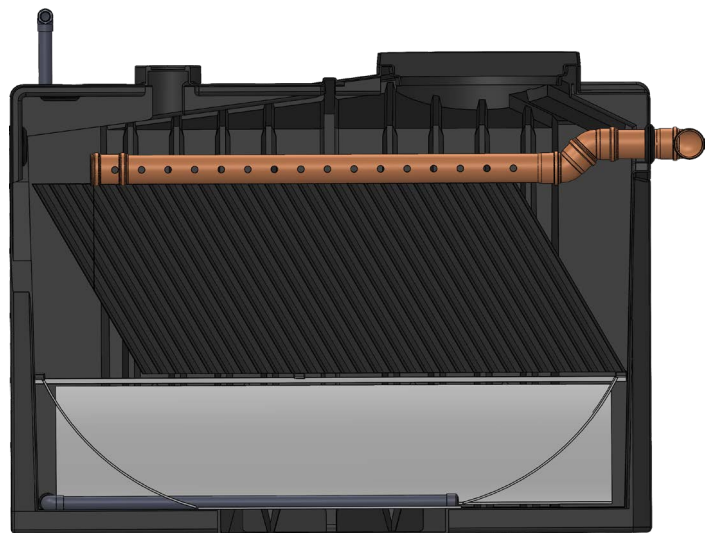


Lamella Clarifier AP

Benefits of the ClearFox® Lamella Clarifier AP

- Fast startup, cost saving in installation, small footprint
- Modular system, adaptable at every application
- Predesigned acc. ATV/DWA guidelines WW-treatment
- Industrial as well as municipal wastewater clarifying
- High performance with high quality; Made in Germany
- Tank system approved by EN 12566 and ISO 9001/3



The ClearFox® Lamella Clarifier is a non-pressurized system. Its primary application occurs after biological treatment for the removal of secondary sludge. However, water containing solids can also be clarified after chemical treatment. The water laden with solids is pumped through an inlet pipe or flows by gravity into the inlet of the Inclined Settler, where it is directed downwards. Below the lamella pack, the flow reverses, and the water flows upward through the lamellae. The solids (heavier than water) settle on the lamellae in the counterflow direction.

The clarified water continues to flow upwards and over a special overflow weir to the outlet. The solids slide down along the lamellae and accumulate in the sludge hopper, which ends in a pump sump. Depending on the subsequent process steps, the sludge can be discharged continuously or discontinuously.

Depending on the requirements, the Inclined Settler is completely installed in a PE tank of the desired size. The inlet area also consists of a seamless PE sump. From there, the sludge is pumped out with a sludge pump (optional), either with a submersible pump (hanging on a rope directly in the sludge sump) or by connecting a sludge pump for dry installation outside the tank to a sludge outlet opening (threaded connection on the tank side near the bottom with a submerged lining).

We offer 3 different tank sizes and lamella packages, depending on the application and/or flow rate.

- Optional With an externally horizontal circumferential steel frame for freestanding bottom installation of the tank
- Material of the steel frame: 80 mm x 40 mm (internal reinforcement for underground installation is standard)
- Optional access dome shaft to adjust the entry opening

above ground level for underground tank installation.

- Optional sludge discharge connection (DN 25 for connection of a dry-installed pump)
- Optional with pump (submersible motor or dry installation), flow rate approximately 0.5 l/s - 1.0 l/s
- Inlet/outlet connections, DN 100 at 140 cm above the ground
- Water depth approximately 1.40 m

Technical Data:

	CI 2250	CI 3500
Tank:	2250 l Tank	3500 l Tank
Measures: (l, w, h) in cm (with side frame)	154/122/171 (170/138/171)	243/122/171 (259/138/171)
Base area:	2,25 m²	3,5 m²
Transport weight:	190 kg	250 kg
Max. operational weight:	2300 kg	3550 kg
Inlet connection by gravity or feed pump pressure line:	DN 100	DN 100
Outlet connection by gravity:	DN 100	DN 100
Feeding Pump secondary sludge: (optional)	Sludgewater pump with 1" connection	Sludgewater pump with 1" connection
Access via:	Lid (60 cm diameter)	Lid (60 cm diameter)



Application

Clarifier for biological fixed-bed processes, aquaculture, rainwater

Module	CI2250/2.5	CI3500/5.0
Size	2250 l	3500 l
Flowrate (m³/h)	2.5	5.0
Base area (m²)	6.87	13.46
Inclination of internal Lamellas	60°	

Clarifier for highly loaded biological fixed-bed processes, flocculated water

Module	CI2250/1.0	CI3500/1.5
Size	2250 l	3500 l
Flowrate (m³/h)	1.0	1.5
Base area (m²)	4.81	9.4
Inclination of internal Lamellas	60°	

