

LAMELLA SEPARATOR

TECHNICAL DATASHEET

Designed to maximise efficiency in settling out solids in sewage and industrial wastewater.

Discharge occurs through a full-length v-notch channel positioned on either side of the lamella separator.

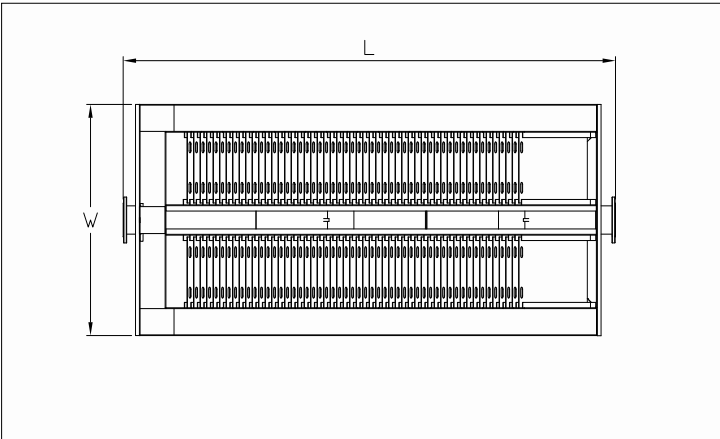
The weir design significantly reduces the velocity of the effluent flow resulting in a smaller quantity of suspended solids being transported to the outfall point.



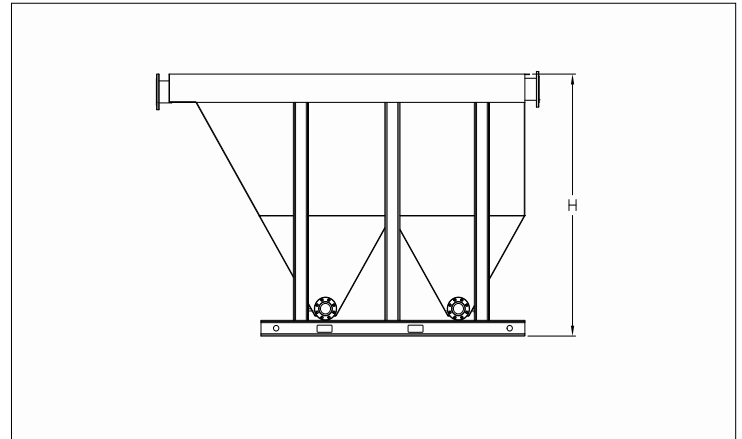
Model	Dimensions (m)			Q (m³/h)	Total volume (m³)	Weight (Kg)		Inlet/Outlet (DN Flange)	Surface plate area	Available for hire
	L	W	H			Empty	Operational			
LST-20-AG	2.1	1.8	2.8	20	3.7	1,650	5,355	DN150	11.7m²	
LST-50-AG	3.78	1.71	2.5	50	6.15	3,000	10,000	DN200	29.1m²	✓
LST-50-BG*	3.78	1.71	2.5	50	6.15	3,000	10,000	DN200	29.1m²	

The Lamella Separator can be custom designed based on site specific requirement, with hire, trial or purchase options available.

*Below ground option only



Plan view



Front view

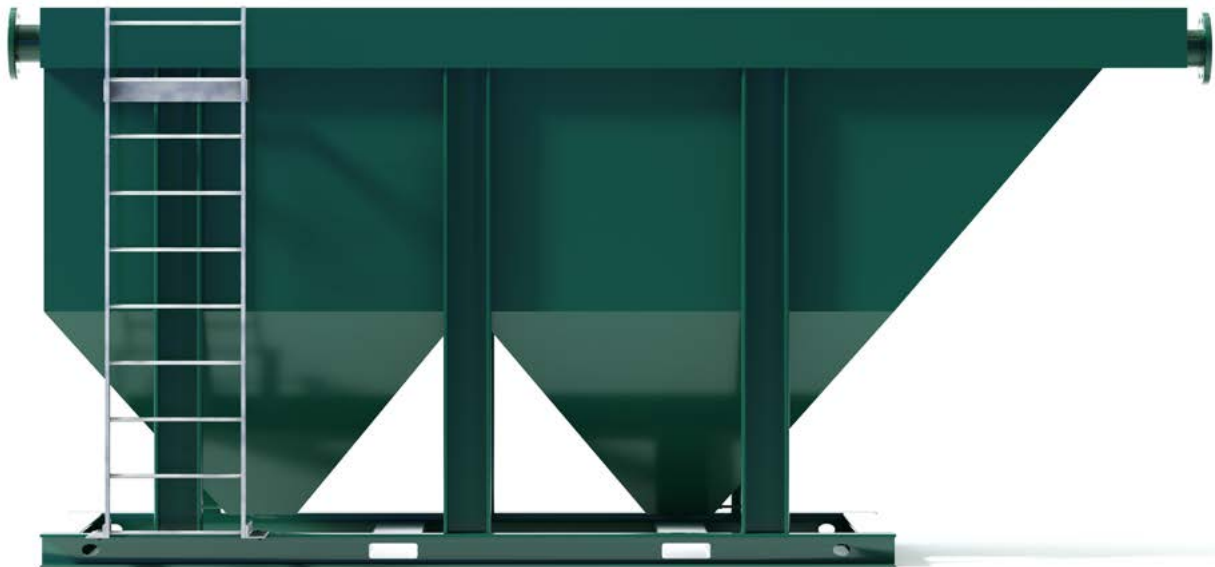
Model	Hydraulic loading (max) against the projected surface area (m/h)	Standard lamella plate spacing (mm)	Plate	
			Angle (degree)	Weight** (kg)
LST-20-AG	1.16	40.3	60	4
LST-50-AG	1.15	40.3	60	4
LST-50-BG*	1.15	40.3	60	4

*Below ground option only

**Weight with no deposited sludge attached

KEY FEATURES:

- 90% smaller than traditional separators or clarifiers
- High treatment – up to 95% efficiency
- No moving parts within the clarifier
- Supplied as complete units manufactured off-site
- Quick set-up due to pre-configured weirs and fixed pipework
- Units can be linked in series or in parallel
- Skid mounted option



Disclaimer

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