

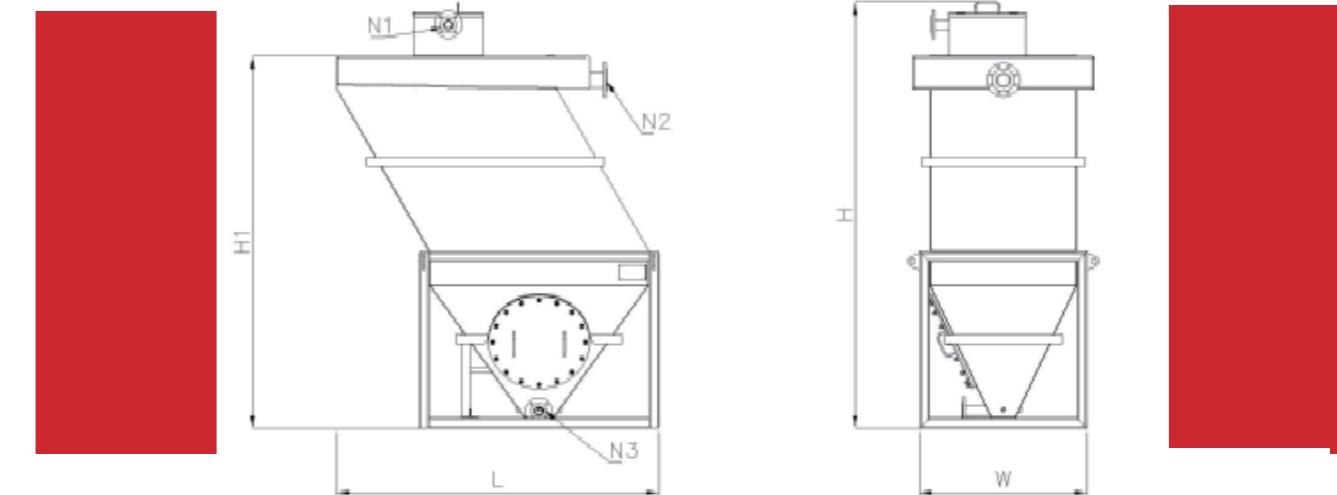
Lamellar Clarifier

Lamella Clarifier also known as inclined plate/tube settler. Based on the "Shallow Tank Theory" proposed by German Professor Hazen, a series of inclined plates/tubes are installed inside the sedimentation tank. This effectively increases the settling area, improves hydrodynamic conditions, and enhances sedimentation efficiency.

The Lamellar sedimentation process achieves rapid sludge-water separation through five stages: Filtration & energy dissipation、Uniform water distribution、Solid-liquid separation、Clarified water collection、Sludge thickening. Additionally, depending on water quality requirements, a bottom-mounted sludge scraper can be installed to optimize sludge discharge conditions.



Models of VMC



Advantages



Compact structure with small land occupation

Save area 80% area compares to traditional device



Imported material with high efficiency

Larger sedimentation area, shorter time, lower possibility of getting blocked



German craftsmanship, sturdy and durable

Internal design from German, with modular embedding method, higher strength and simpler rinsing process

Models

Model	Cap (m³/h)	Dimension(mm)			Inlet(DN)			Material	Form
		L	W	H	N1	N2	N3		
VMC10	~5	2000	1100	2200	50	50	50	Carbon steel or Stainless steel	Sedimentation Clarification
VMC20	~10	2000	2000	2600	80	80	50		
VMC30	~15	2500	2000	2600	100	100	50		
VMC40	~20	3000	2000	2900	100	100	50		
VMC60	~30	3100	2700	2900	100	150	50		
VMC100	~50	4900	2800	3000	100*2	150	50*2	Stainless steel	Concentration
VMC150	~75	6800	2900	3800	100*2	200	50*2		
VMC200	~100	7500	3200	3800	100*2	250	50*2		

PWI reserves the right to modify some parameters without effecting equipment performance