

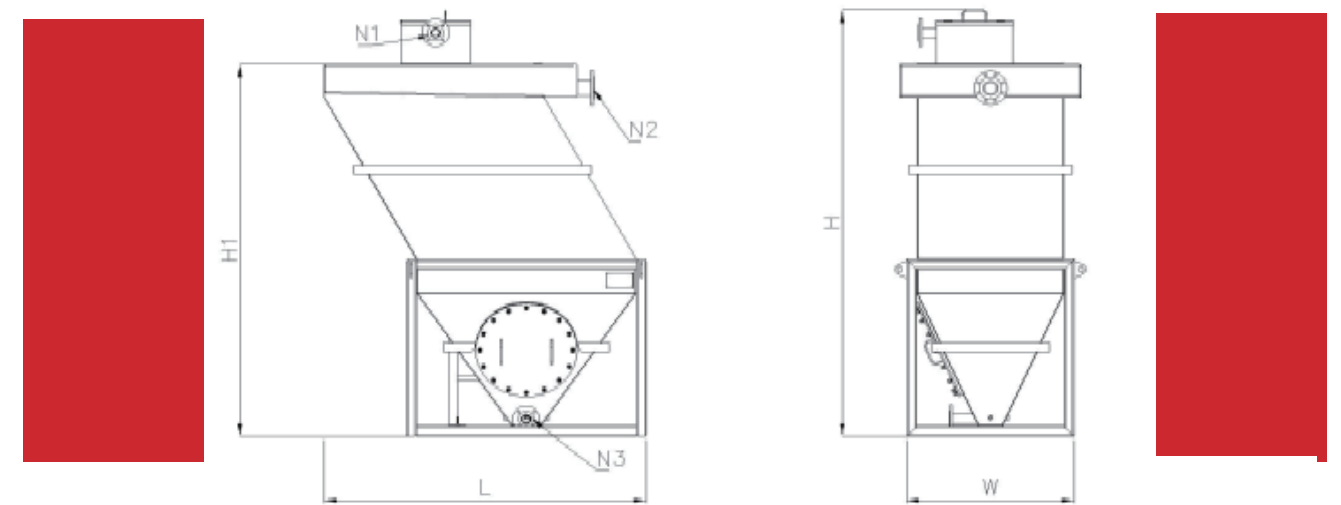
## Lamellar Clarifier

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