



Crienviro

Engineering Eco-Sustainability

Lamella Clarifier

Lamella Clarifier is a type of high rate clarifier. This system provides large effective settling area for a small foot prints to separate particulates from liquid.

As the liquid flows upward, the solid settle on the inclined, parallel plates and slide into the sludge hopper at the bottom. Further thickening of the sludge is achieved in the hopper due to compression in the quiescent zone achieved by the side feed design.

The clarified liquid leaves the plate assembly through weirs at the top and is distributed into collection channels/ Hopper leading to the clarified water outlet. This creates a pressure drop across the collection channels which ensure uniform flow distribution across the plates in order to utilize the full area for settling.

We designs and manufactures a complete Lamella Clarifier system along with necessary pre and post treatment facilities, suitable for small to large capacity water and waste water treatment plants depending on the characteristics of input feed .

Lamella Clarifier consists of following sections

1. Inlet Channel
2. Quiescent /stagnant zone
3. Inclined Plates
4. Clarified liquid outlet weir
5. Settling Zone
6. Sludge Collection hopper

Applications

- Drinking water treatment
- Industrial effluent treatment
- Sewage water treatment
- Industrial process water
- Recovery of water from Backwash Water



S. No.	FLOW RATE(LPH)	MODEL NUMBER
1	5000-16000	CESPL-LC-01
2	16001-22000	CESPL-LC-02
3	22001-27000	CESPL-LC-03
4	27001-32000	CESPL-LC-04
5	32100-37000	CESPL-LC-05
6	37001-42000	CESPL-LC-06
7	42001-47000	CESPL-LC-07
8	47001-52000	CESPL-LC-08
9	52001-57000	CESPL-LC-09
10	57001-62000	CESPL-LC-10
11	62001-67000	CESPL-LC-11
12	67001-72000	CESPL-LC-12
13	72001-77000	CESPL-LC-13
14	77001-82000	CESPL-LC-14
15	82001-87000	CESPL-LC-15
16	87001-92000	CESPL-LC-16

17	92001-97000	CESPL-LC-17
18	97001-102000	CESPL-LC-18
19	102001-107000	CESPL-LC-19
20	107001-112000	CESPL-LC-20
21	112001-117000	CESPL-LC-21
22	117001-122000	CESPL-LC-22
23	122001-127000	CESPL-LC-23
24	127001-132000	CESPL-LC-24
25	132001-137000	CESPL-LC-25
26	137001-142000	CESPL-LC-26
27	142001-147000	CESPL-LC-27
28	147001-152000	CESPL-LC-28
29	152001-157000	CESPL-LC-29
30	157001-162000	CESPL-LC-30
31	162001-167000	CESPL-LC-31
32	167001-172000	CESPL-LC-32
33	172001-177000	CESPL-LC-33
34	177001-182000	CESPL-LC-34
35	182001-187000	CESPL-LC-35
36	187001-192000	CESPL-LC-36
37	192001-197000	CESPL-LC-37
38	197001-200000	CESPL-LC-38