

DECLA SERIES

LAMELAR
DECANTERS



**Hidro
Water**

GLOBAL WATER TREATMENT EQUIPMENT PROVIDER



HIDRO-WATER LAMELAR DECANter



FEATURES

Gravity sedimentation
is a normal and reliable
system for separating
suspended solids from liquids

This system has its application in almost every purification plant, industrial or wastewater process. A classic sedimentation tank occupies a large space and its construction cost is high.



The **HW-DECLA** lamella decanter **reduces** the necessary area by **90%** or more. This reduction in area results in **lower installation and maintenance costs.**

The concept of parallel inclined lamellae transforms the sum of all projections of the lamellae on the horizontal plane into an effective sedimentation surface. Therefore, there is up to **16 m²** of settling surface for every square meter of land.

In general, the calculated surface for a classic decanter can be used directly to design a plate decanter. The total surface is only replaced by the total surface of the projection of plates on the horizontal plane.

HIDRO-WATER LAMELAR DECANTERS

CHARACTERISTICS



STANDARD:

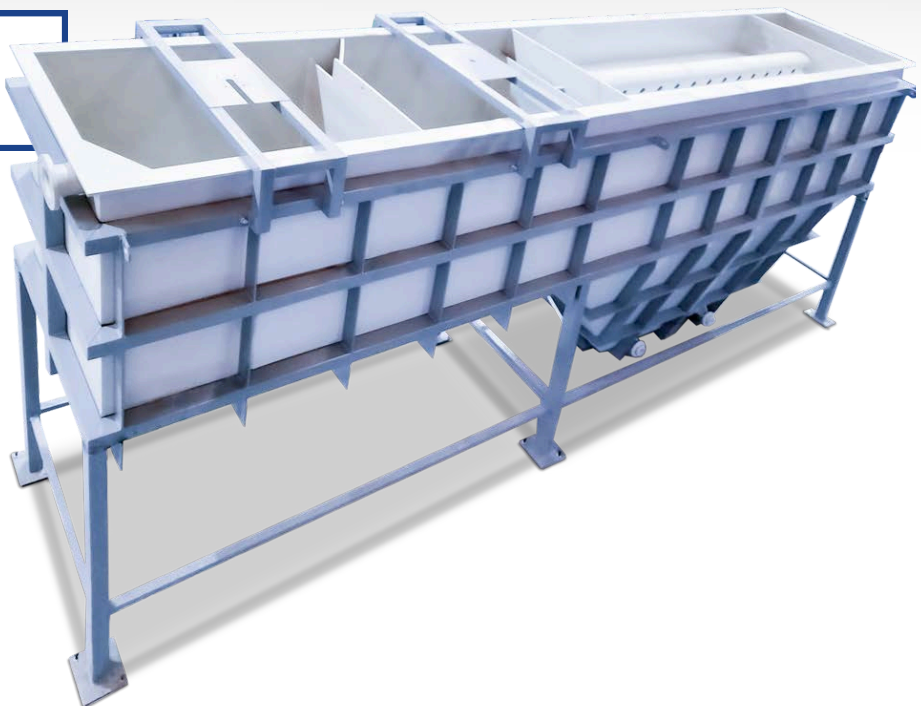
- PP Tank with stainless steel protected structure
- PP Lamellae with 60° inclination
- Sludge concentrator with high capacity

OPTIONAL:

- Mixing and flocculation chamber
- Sludge purge
- Float material collector
- Metallic construction

	LAMELLAE		
Lamellar distance	40mm	60mm	80mm
geometry	Hexagonal		
Specific area	16 m ² /m ³	12 m ² /m ³	8 m ² /m ³
Hydraulic diameter	0,051 m	0,062 m	0,085 m

APPLICATIONS



- Clarification and thickening in industrial, wastewater and drinking water treatment plants.
- Biological treatment processes

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MODEL	LAMELLAE TYPE			CONCENTRATOR		MEASURES		
DECANTADOR	40	60	80	SLUDGE		Width	Large	Height
	m3/h *			Qty (u.)	VOL.(m3)	mm		
DECLA-1	11,7	8,8	5,8	1	0,3	1200	2100	2800
DECLA-2	23,3	17,5	11,7	1	0,6	1200	3100	2800
DECLA-3	35,0	26,3	17,5	1	1,32	1200	4100	3200
DECLA-4	46,7	35,0	23,3	1	2,8	2200	3100	3000
DECLA-6	70,0	52,5	35,0	1	7,14	2200	4100	3700
DECLA-8	93,3	70,0	46,7	2	5,6	2200	5100	3000
DECLA-10	116,7	87,5	58,3	2	9,8	2200	6100	3400
DECLA-12	140,0	105,0	70,0	2	14,28	2200	7100	3700
DECLA-14	163,3	122,5	81,7	2	19,6	2200	8100	4000
DECLA-16	186,7	140,0	93,3	2	25,76	2200	9100	4300
DECLA-18	210,0	157,5	105,0	3	21,42	2200	10100	3700

QUESTIONS?

We answer you

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