

CDL – GRIT WASHER



The CDL – GRIT WASHER is used for the separation of sandy materials contained in waste water, and for the simultaneous washing of the organic substances.

It is constituted by a conical hopper decantation equipped with a stirring system, connected to a spiral for extracting solid with central shaft.

The spiral auger is normally connected directly to the motor via flanged shaft. In the bottom of the hopper is a clean water inlet system in countercurrent which has the purpose of removing the organic substances present in the sands.

The water entering into the hopper, through the inlet spiral, is kept in motion by the agitator central with a rotational movement. This has the purpose to facilitate the sedimentation of the sand and at the same time to maintain suspension of the organic material.

The sand, in its journey towards the bottom, is further distant from the clean water wash fed in countercurrent, to then be that will then be extracted from the cochlea.

The counter flow water also has the task of facilitating the ascent of the organic substances, which are then evacuated at regular intervals by dedicate exhaust duct.

The clarified water is instead evacuated by a second duct placed in the upper part of the conical hopper. The continuous rotational motion of the water mass allows the sand to pass from the hopper to the discharge auger, which conveys towards the output.

DESCRIPTION

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- Manufacturer: FLUITECO
- Model: CDL
- Material: Stainless Steel
- Surface Treatment: Pickled & passivated

CPP unit are used for the separation and cleaning of sandy material from wastewater. These machines consist of a tangential inlet and conical decantation hopper that give to sandy waste water a rotational movement; this rotation facilitates the sedimentation process.

A screw conveyor provides to extract the grit previously settled with a great efficiency in term of grit particles capture ratio (97% minimum size 200 microns)

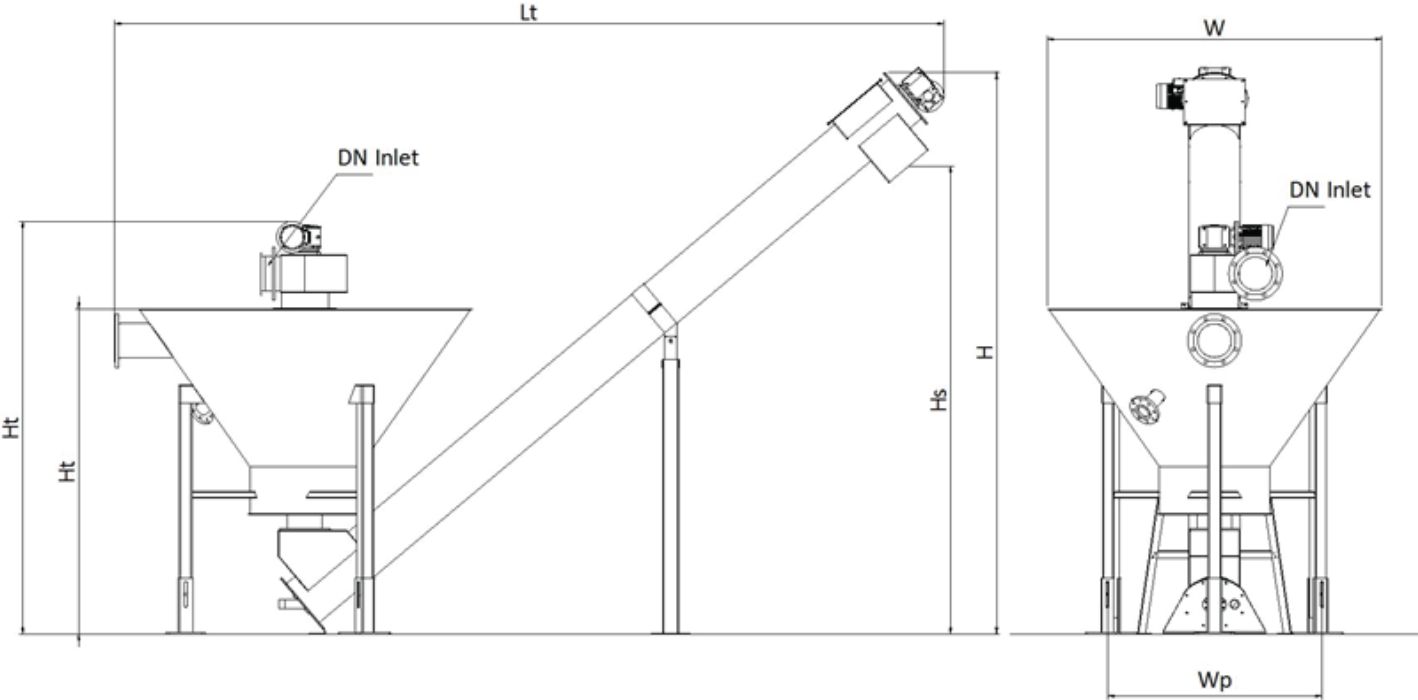


CDL - THEORETICAL FLOWRATE

MODEL	CDL30	CDL60	CDL90
Wastewater flowrate (mc/h)	30	60	90
Hopper capacity (mc)	0,65	0,9	1,5
Sand removing (mc/h)	0,4	0,4	0,4

CDL- STANDARD DIMENSIONS

MODEL	Lt	H	Wp	W	C	Hs	Hin	Ho	DN Outlet
CDL30	4210	2915	1380	2025	2295	2255	1980	1600	DN150PN10
CDL60	5265	3610	1360	2125	2630	2980	2295	1870	DN200PN10
CDL90	5260	3610	1360	2125	2930	2980	2595	2170	DN200PN10



CDL- Rendering

