



Especialistas en mecánica de fluidos

CG Grease Concentrator



INTRODUCTION:

The **Filtramas CG grease concentrator** unit is a compact unit designed for the separation and extraction of the floats, grease and foam contained in the waste water coming from the grit trap or decanter.

DESCRIPTION:

The new design of **Filtramas** presents some notable features:

- Inclined bottom that allows the purging of the sedimented solids inside the tank without the need to empty it, thus facilitating the maintenance and cleaning of the equipment.
- Very compact equipment: We manage to reduce the space with a grease deflector that extends to the bottom of the equipment, folding backwards so that the spill is forced to make a longer path, following the diagonal of the container tank.
- It is supplied with a GRP protective cover, which completely covers the entire chain and scraper mechanism, in compliance with EC machine safety regulations. In addition, due to its lightness, it allows easy manual disassembly and easy access.
- It has a hinged register and can be supplied with deodorization outlets.

The equipment consists of the following **components**:

- **Delivery box.** Once the water enters through the inlet flange, its mission is to evenly distribute the fluid so that the floats and grease remain on the surface of the equipment. In the event that the floats do not come from a pumping operation, the float box is replaced by a straight section of tank. In this case, the float inlet connection must be



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located on one side of the equipment to avoid preferential flows, and must be located on the top so that the manifold is not under load.

- **Holding tank.** It receives fluid from the distribution box, and is arranged to encourage the formation of a fat or foam "mattress" on the top of the box to be removed by a sweeper. In its lower part there is a rectangular mouth that connects with the spillway of the clarified waters.
- **Floating sweeping mechanism.** It consists of two conveyor chains, with two axles equipped with pinions and driven by a low power motor reducer. These chains drag a certain number of scrapers that sweep the foam or fat mattress through a ramp and throw it into a container.
- **Spillway.** It consists of a tank located at the rear of the holding tank, receives clear water and directs it to the outside through a socket.

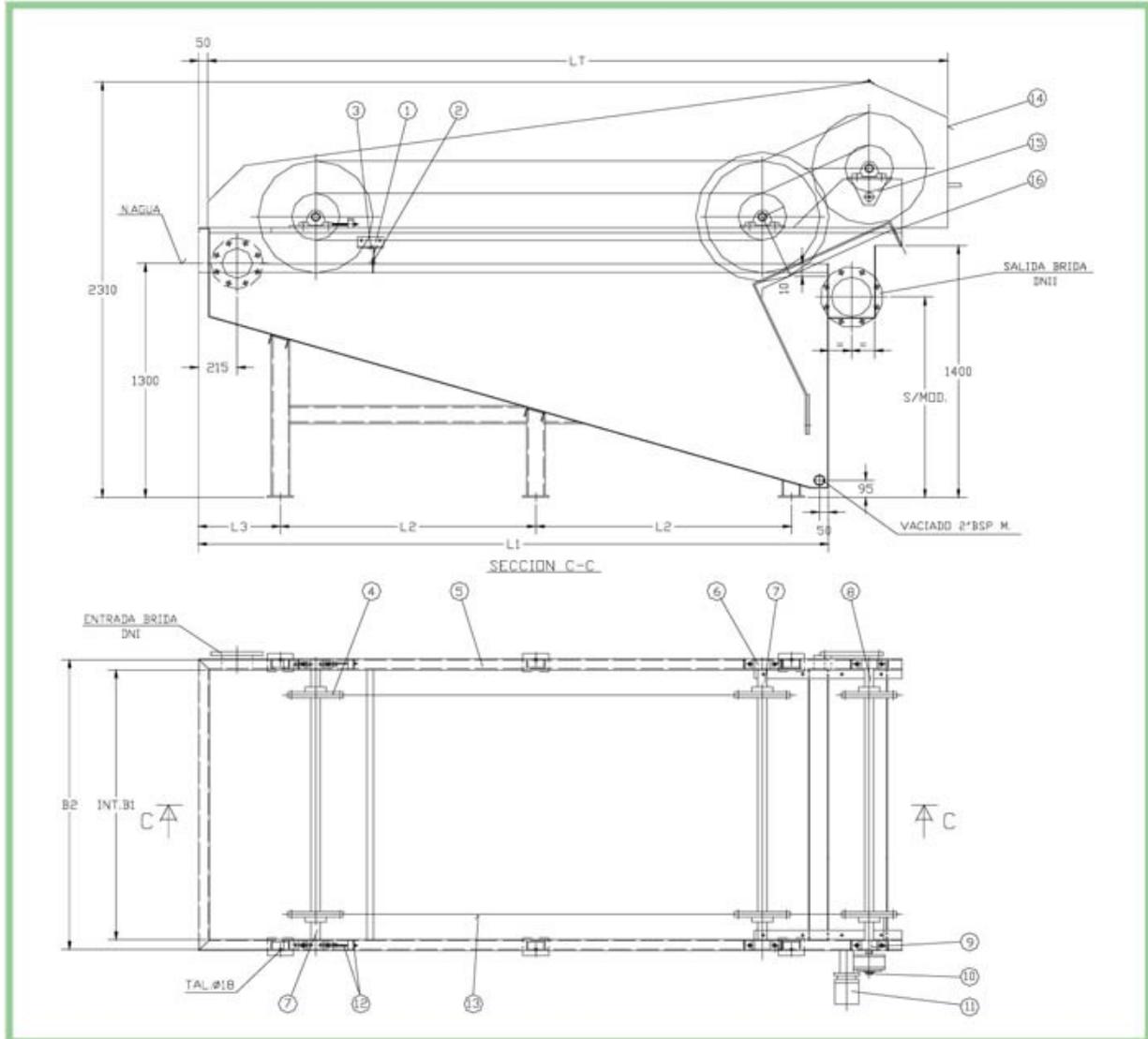
Available models:

- The **Filtramas CG grease concentrator** unit is sized according to the flow rate to be treated. The model number corresponds to the m³/h that can be treated:

CG-5, CG-10, CG-20, CG-30, CG-45 and CG-60

- It can be manufactured in different materials according to the customer's needs or the characteristics of the installation (painted A42b steel, AISI 304 or AISI 316).

GENERAL DIMENSIONS:



CG-60	2000	2110	150	200	4922	1420	4	445	5510	0,25	60
CG-45	1500	1610	150	200	4922	1420	4	445	5510	0,25	50
CG-30	1500	1610	150	200	3422	1400	3	410	4010	0,18	30
CG-20	1000	1110	100	125	3422	1400	3	410	4010	0,18	20
CG-10	1000	1110	80	100	1815	1205	2	410	2410	0,11	10
CG-5	500	610	80	80	1815	1205	2	410	2410	0,11	5
MODELO	INT.B1	B2	DNI	DNII	L1	L2	NUM. PATAS	L3	LT	POT. (KW)	Q NOMINAL

OBSERVACIONES: CAUDALES EN M3/H, PARA V ASCENSIONAL= 2 mm/S