Compact PC Pretreatment

INTRODUCTION:

The **compact pretreatment equipment model PC** responds to a growing demand for simplification of pretreatments, including in a single compact the following functions:

- Fine screening and waste treatment
- Separation and extraction of the sands
- Separation and extraction of fats

DESCRIPTION:

The **Filtramas PC compact pretreatment** equipment is designed to separate suspended solids from wastewater and compact them, as well as to separate and extract sand and grease.

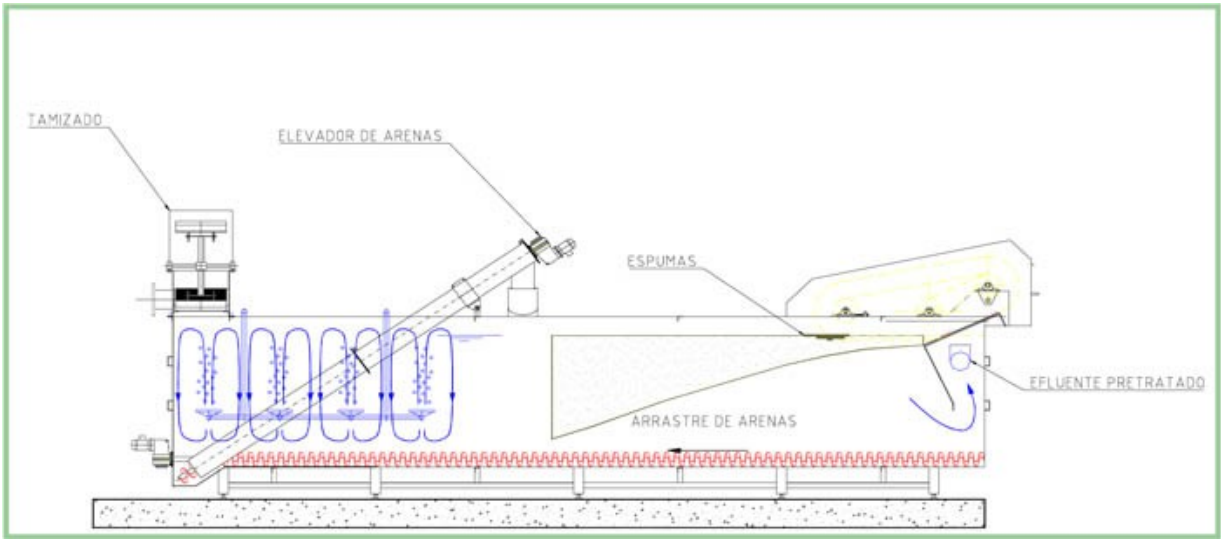
The equipment is composed of different components:

- Fine sieve.
- Longitudinal sand removal tank with legs.
- Screws conveyor and sand extractor.
- Aeration.
- Degreasing system.

The water enters the compact tank at the first stage of the screening process. The sieve, which has been selected according to the characteristics of the installation, separates the solids from the wastewater and removes them.

The water then passes into the desander-degreaser. At this stage, with the help of aeration, floating solids, fats and oils are separated and extracted. The sedimentable solids are also

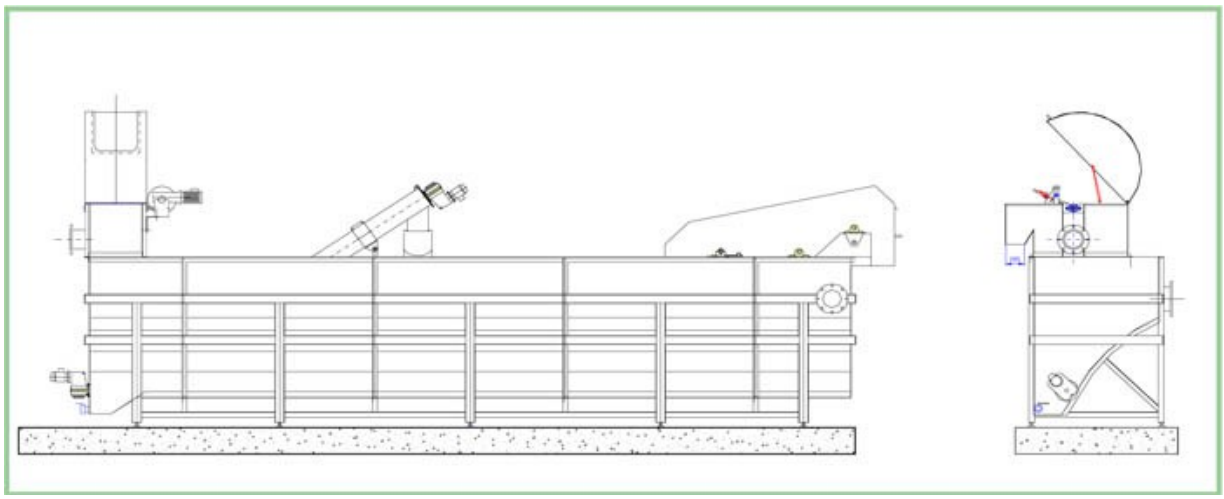
retained and transported against the current by means of a horizontal screw to a hopper designed for this purpose.



The **PC compact pretreatment** equipment has the following **FEATURES**:

- Very simple but robust design that offers a complete pre-treatment.
- It complies with German regulations and at Qmax retains 90% of particles larger than 200 microns.
- Continuous operation with high reliability.
- Fine screening of the residue.
- Compacting of the separated waste.
- Separation of the sands.
- Dehydration of the sands.
- Grease collection area separated from the grit trap Special finish with handrails and access ladder.
- Great reduction in space and treatment costs.
- Reduction of odours when completely closed.
- High capacity and performance.

GENERAL DIMENSIONS:



	PCI-15	PCI-30	PCI-45	PCI-60	PCI-80	PCI-100	PCI-120	PCI-150	PCI-180
Caudal nominal (m3/h)	54	108	162	216	288	360	432	540	648
Ancho del tanque (mm)	1200	1200	1200	1200	1500	1500	1500	2400	2400
Alto del tanque (mm)	1820	1820	1820	1820	2240	2240	2240	2400	2400
Largo del tanque (mm)	2000	4000	6000	8000	8000	10000	12000	10000	12000
Longitud total (mm)	3200	5200	7200	9200	9200	11200	13200	10500	12500
Ancho total (mm)	2000	2000	2000	2000	2500	2500	2500	4300	4300