



YOUR PRETREATMENT HOUSE

WAU

SANDS REMOVAL SYSTEM



INSTALLED



MORE THAN 500 WAU UNITS AROUND THE WORLD!

FYI

The compact pre-treatment unit has the best options when it comes to grit removal, having a density up to 20%. Furthermore:

- Incoming flows treatable up to 100 m³/h
- Efficiency in terms of separation is up to 97% for sand particles having a size equal to or greater than 200 microns.

INPUT PRODUCT



SAND EXTRACTED



WHY HEAVY DUTY?

Heavy Duty conveyors find their purpose in industries where the main objective is to transport "complicated" products functioning 24H a day. As of today, FLUITECO has supplied hundreds of Heavy Duty conveyors in: - slaughterhouses - paper factories - transporting solid waste - perforation industries.

CCS-HD

HEAVY DUTY SCREW CONVEYORS



INPUT PRODUCT



INSTALLED



IFDS

HEAVY DUTY TROMMELS FED DRUM



WORKING LOGIC

It consists of an inclined cylinder covered with screening cloth. This cylinder rotates slowly and continuously, while it is being fed with material to be screened. The inclined walls of this rotating cylindrical screen separate the material being fed into different fractions.

INSTALLED



INPUT PRODUCT



OPERA

ORGANIC EXTRACTOR

PATENT PENDING



HOW IT WORKS

The waste enters into the receive hopper where the feeding screw that break and conveys the waste into the separation chamber. There the organic fraction will be separated from the contaminants.

ORGANIC EXTRACTED



FOODWASTE/FORSU TO BE SEPARATED



CONTAMINANTS REMOVED



WHY HEAVY DUTY?

They are equipped with single or multiple extractor screws for every kind of waste/sludge. The applications can be with high thickness shaftless or shafted spirals depending from the application. They are also designed with fixed or variable pitch to obtain the maximum performance in term of extraction. All this to store and distribute waste and organic materials in the biogas



LBB

LIVE
BOTTOM
BIN

INPUT PRODUCT



INSTALLED



CPW

HEAVY DUTY
SCREW
COMPACTOR



WHAT IT MAKES

The reject is fed into the screw compactor, where it will be conveyed by a high thickness spiral until the compaction chamber. A countweight pneumatically actuated will provide to create a compaction effect before the discharge.

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COMPACTED REJECTS



SD

SLUDGE SCREW PRESS



ABOUT

Designed to dewater the sludge and to obtain a dryness up to 25%. In the SD the sludge is pushed by the conveying screw into the discharge chamber. During this phase, the flocculated sludge loses a certain quantity of water and before the outlet, thanks to the adjustable counterweight. The unit manages to reach the desired level of performance.

INSTALLED



DEWATERED



HOW IT WORKS?

Primary sludge is pumped passing through a perforated drum. It is then caught and pushed by a screw, which also keeping the inlet flow pressurized. In the last stage of this process is a cone which pneumatically regulates the counter thrust in order to hold the pressure inside the unit.

CAPTURED SCREENINGS



SDH

SLUDGE CLEANER



INSTALLED



DESIGN & MANUFACTURED BY



YOUR PRETREATMENT HOUSE

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