



INTRODUCTION:

Specially designed for the extraction of sands from a sandbox.

It consists of a set of reciprocating sweep rakes hydraulically operated and installed in a rectangular tank with the bottom of it sloping.

The feeding of the classifier is continuous, distributing the fluid across it to a certain height at which point there is an overflow.

The reciprocating movement of the rakes slightly agitates the liquid contained in the tank, in such a way that this agitation separates solids of low volume and low specific gravity from the heavier sands or solids that remain on the bottom.

The light solids, usually of organic character, are evacuated by the overflow recycling again to the process, the sands are dragged in their alternative movement to the high point of the channel by the rakes, which effect the discharge of the same, washed for the suppression of possible smells in the sands.

The solids discharged from the classifier are easily manipulated by mechanical means for their removal and disposal.

Hydraulic grit classifier HIDRAMEC

PRODUCTS

General Features:

Frame.- Built entirely in stainless steel quality AISI 304 or 316, high resistance rectangular design, built-in reinforcements, turning points capsulated in Teflon or nylon.

Protective cover.- Located in the upper part of the equipment, as a function of protection of the hydraulic pistons and additional mechanisms, practical and recommended application in outdoor installations, construction in stainless steel quality AISI 304 or 316.

Motion transmission elements.- Cranks and eccentrics in welded construction of AISI 304 or 316 quality stainless steel, Teflon or nylon bushes in the turning points, stainless steel axes in AISI 304 or 316 quality.

The cylinders and wheels of Nylon in welded construction and reinforced in stainless steel quality AISI 304 or 316.

Rakes.- Welded in the lower part of the structure, transversely located in it and equally spaced along the longitudinal axis of the structure, complete in Aisi 304 or 316 quality stainless steel.

Drive.- The mechanism is driven by a hydraulic group with double acting cylinders that transmit the movement to the rakes.

Protection.- The system will be protected against excess tension, in all its movements by means of hydraulic limit switches.

Desk.- standard design, Himel or Rital type, dimensions according to the project, inside it, the hydraulic unit of the equipment is protected, the protection of said panel will be IP-55, at least.

Compact metallic tank.- As an optional application, construction in stainless steel quality Aisi 304 or 316.



Hydraulic grit classifier HIDRAMEC-C



Hydraulic grit classifier HIDRAMEC-O



Hydraulic grit classifier HIDRAMEC-O



Hydraulic grit classifier HIDRAMEC-O