

# GRIT CLASSIFIER

## Type: scraper type

- The construction consists of:
  - A steel storage room, thickness 5mm;
  - 1 supply opening;
  - 1 overflow tube;
  - 1 drain connection, with stop plug.
- In this tank, there is a scraper mechanism placed, that consist of:
  - A hermetic worm gear motor with degree of protection IP55;
  - A drive rod with ball bearings;
  - Two swing bases, each consisting of two swing arms, each with 2 ball bearings.
  - Two rocker levers, of which one is connected to the connecting rod;
  - A drawbar that connects the rocker levers;
  - A frame with 2 flange connections that are attached to the rocker levers. The frame consists of 2 longitudinal bottom H-profiles, on which every 15cm the scraper blades are welded. The thickness of the scraper blades is 6mm.
- 4 supports each with a foot plate 30x30cm. Each foot plate has 4 holes to fix the structure to the ground with anchor bolts.
- Because of the special relationship connecting rod and lever distances following movements of the scrapers obtain:
  - During the forward movement the scrapers moves practically parallel to the inclined bottom, then they lifted and turn back to the starting position.
- The moving parts are sufficiently protected so that they cannot be touched from the ground floor
- At the inlet, a construction fence is placed so that the turbulence in the setting chamber is limited;

## Paint work:

- Sandblasting SA3;
- Zinc epoxy primer: 40micron;
- Coal tar epoxy 2x150micron.

## Specifications:

- Length: 6m,8m,10m,12m;
- Width: 0,40m, 0,50m,0,60m,0,70m,0,80m;

