

Introduction

The Hubert grit removal system provides continuous, low-cost separation and removal of sand from the raw influent in wastewater treatment plants. Hubert designs grit removal systems to accommodate the most challenging influent profiles and treatment standards. The system consists of grit collecting and washing mechanisms which operate separately but in hydraulic communication with each other.

Efficient removal of sand

The Hubert square flat sand trap combined with rake classifier (sand washer) and return of organic matter is designed to remove sand from the crude influent in water treatment plants. The grit collecting mechanism is normally installed in a square shallow concrete tank with sloping corners.

Reliable operation

The crude influent enters the square sand trap on one side and is distributed equally across the entire trap area by means of adjustable baffles. The grit settles at the bottom of the trap. The effluent will be discharged via a weir at the opposite end.

The collecting mechanism consists of two steel arms which are attached to a vertical shaft and fitted with outward raking blades (with scoops on the ends).

