

SETECH GRIT CLASSIFIER

Introduction

The Grit Classifier is installed on small and large size treatment plants. It is an efficient machine use for removing of sand receiving from treatment plant.

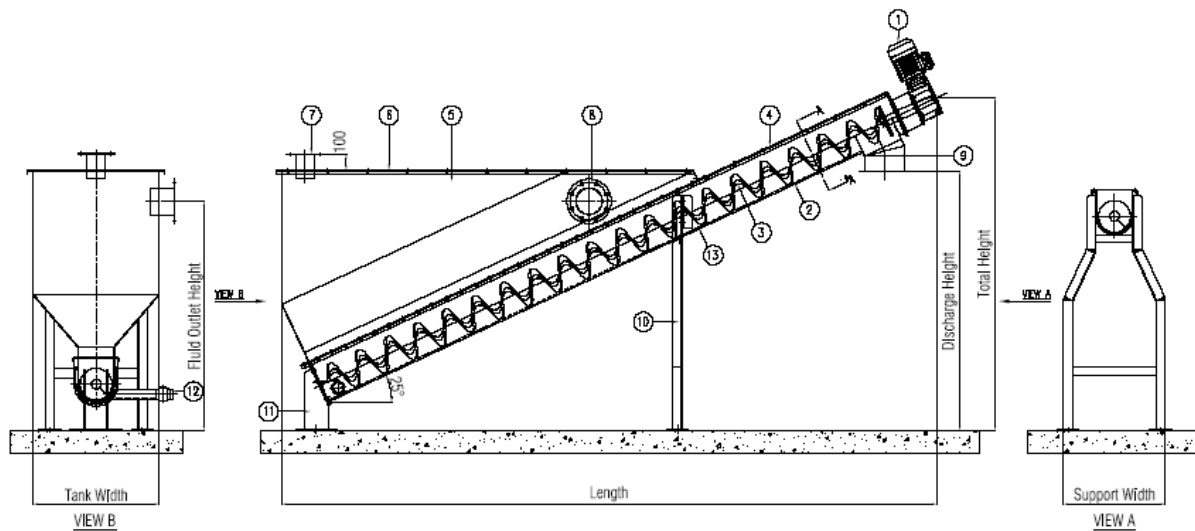
Operation

The Grit Classifier consists of a tank, a screw conveyor, a drive unit, and sand discharge hopper. The Grit Classifier is design to receive mixture of water and sand. The sand settled on the tank bottom and is lifted by a screw conveyor and then drained and discharged. The floating solids and water will overflow back to the main sewage channel through outlet.

Design Criteria

1. Grit Classifier is delivering as fully assembled system with support structure.
2. Free standing unit and anchor bolted to floor.
3. It is less maintenance since no bearing and lubrication.
4. Grit Classifier is made of SS304 or SS316 expect spiral and gear motor.
5. Spirals made of high strength steel or stainless steel.

GENERAL ARRANGEMENT DRAWINGS AND COMPONENTS



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|-------------------------|--------------------|
| 1. Gear Motor | 8. Fluid Outlet |
| 2. U-Trough | 9. Discharge Chute |
| 3. Spiral | 10. Front Support |
| 4. Conveyor Cover | 11. Rear Support |
| 5. Sedimentation Tank | 13. Ball Valve |
| 6. Tank Cover | 14. Liner |
| 7. Water And Sand Inlet | |