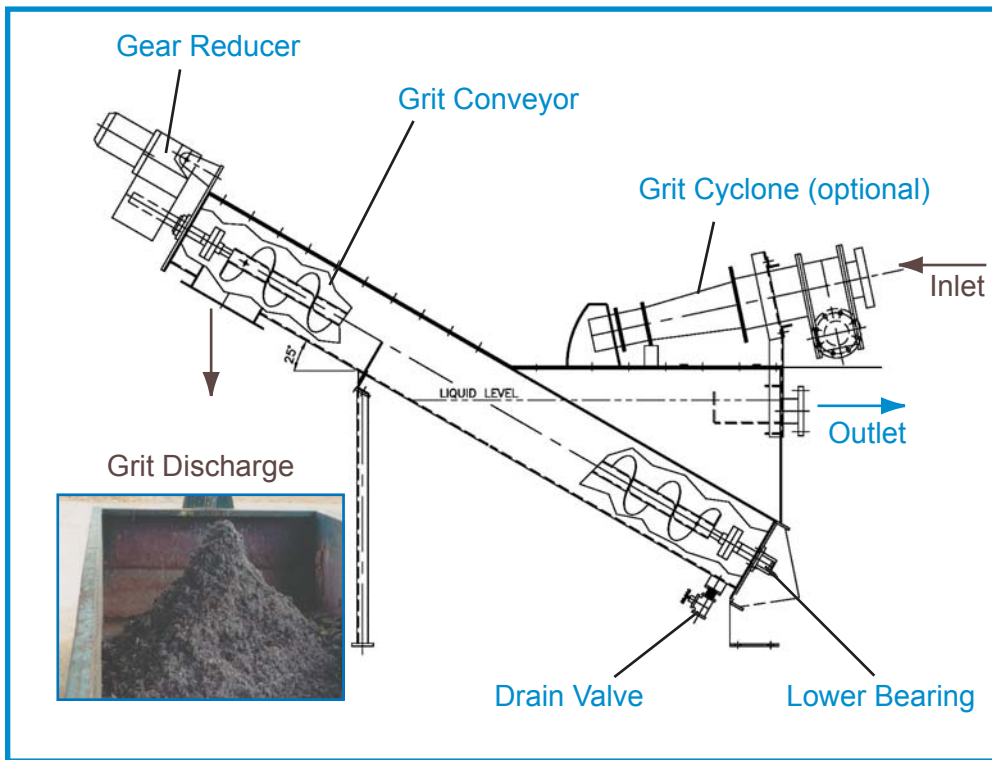




GRIT CLASSIFIER / WASHER WITH CYCLONE

Hi-Tech Environmental, Inc. offers a complete line of modular grit classifiers. Standard classifier models are designed to handle up to 550 gpm peak flow and remove 95% of 65 mesh and larger particles. The cyclone and washer combination is designed to handle larger flow rates and remove up to 98% of the grit entering the feed inlet 150 mesh and larger with a specific gravity greater than 2.65. The cyclone unit concentrates the grit and reduces the liquid flow into the grit classifier / washer. Collected grit is discharged into the classifier and washed while the lighter organic particles remain in suspension and discharge over the weir and out of the unit. The heavier particles settle into the sloped bottom where they are conveyed out of the classifier. The operating angle and high discharge point allows any residual liquid to flow back providing efficient dewatering of the grit. The grit classifier uses a unique water lubricated lower bearing assembly specifically designed for submerged applications. The lower bearing can be replaced without requiring removal of the screw assembly.



Stainless Steel Classifiers



Stainless Steel Classifier with Grit Cyclone

STANDARD FEATURES

- Low Capital Costs
- 304 Stainless Steel Body
- Hardened Steel Flighting
- Water Lubricated Lower Bearing
- High Efficiency Gear Reducer
- Low Maintenance Costs
- Direct Drive (No Chains or Belts)

OPTIONAL ITEMS

- Weather Protection / Heating
- Solids Bagger
- Shaftless Flighting
- Stainless Steel Flighting
- Explosion Proof Operation
- 316 SStl Construction
- Replaceable Ni-Hard Wear Shoes