

SPECO® GRITSEP

Grit Classifier
DS



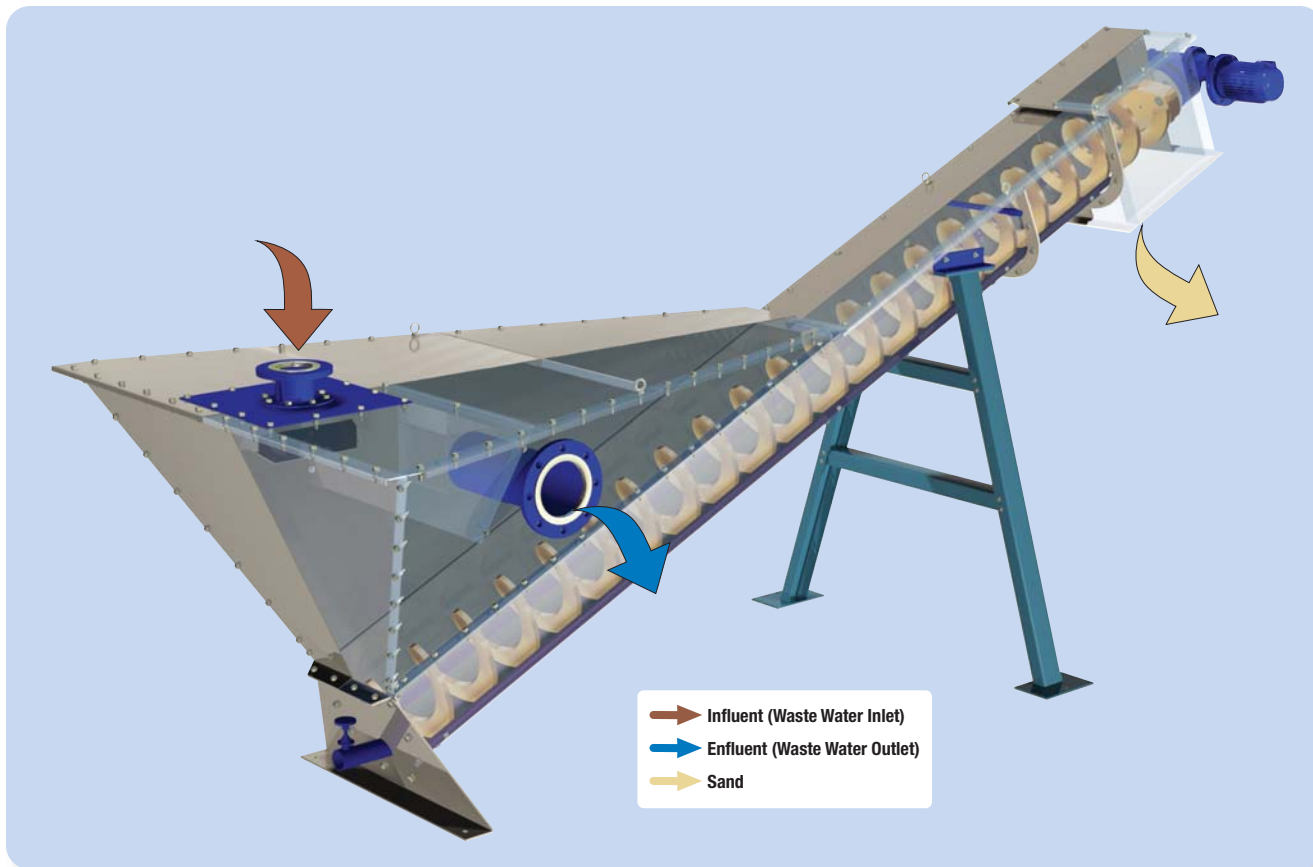
SPECO®






Traditional Design With Enhanced Durability

This conventional-style grit classifier has been engineered for low maintenance, long wear and energy efficient operation. The conveying screw is a shaftless spiral which eliminates the need for a lower bearing. A heavy-duty, high strength alloy, steel screw ensures durability and the wear bars are easily replaceable, bolt in place design.

These units are found in municipal wastewater applications in line with grit removal equipment. Many industrial applications from basic wastewater to washing processes to wash down require grit removal and dewatering for disposal.



 Influent (Waste Water Inlet)
 Effluent (Waste Water Outlet)
 Sand

Technical Features

- The settling tank and discharge trough are made of 304L SS with 316L SS as an option.
- The shaftless spiral discharge screw is manufactured from a heavy-duty, high strength alloy steel (optional 304/316 SS).
- The unit comes standard with wear bars in the discharge trough, but an optional low friction, HDPE liner is available.
- Capture efficiency is 90% separation of particles $\geq 200\mu$.
- Liquid throughput: 80 to 575 gpm.
- Solids output: 8 – 46 ft³/h.

Model Specifications

| Model | Flow Rate (gpm) | Tank Capacity (ft ³) | Average Grit Extraction (ft ³ /hr) |
|---------|-----------------|----------------------------------|---|
| DS 400 | 80 | 16 | 10 |
| DS 1000 | 135 | 25 | 13 |
| DS 2000 | 350 | 70 | 13 |
| DS 3400 | 440 | 100 | 13 |
| DS 4000 | 575 | 135 | 75 |

