



Heavy-duty spiral conveys the screenings to a dewatering zone



Cost-efficient, fast payback

# Hycor<sup>®</sup> Helisieve Plus<sup>®</sup> Septage Receiving Station

## A self-contained septage pre-treatment system

The Hycor<sup>®</sup> Helisieve Plus<sup>®</sup> Septage Receiving Station can turn your plant into a professional septage receiving facility overnight – without additional manpower or major retrofit.

Helisieve Plus is a self-contained system that pre-treats septage by removing solids, including rags, rocks and plastics prior to introduction to plant processes. If not removed, these solids can foul pumps, digesters and other downstream equipment. The Helisieve Plus unit removes these troublesome solids and dewateres them for landfill. It's fast, easy and effective. Haulers simply hook up to the unit, discharge their load and are on their way again in minutes. Incoming flow is automatically regulated by a control valve to prevent overflow. Odors are contained in the stainless steel receiving tank.

With special options, the Helisieve Plus unit can become

an automatic, self-operating septage receiving station with a coded security system and automatic load volume measurement for billing purposes. Additional options, such as pH shut down the system if incoming septage levels fall outside pre-set ranges. Screening is performed in a screen basket with 1/4" openings which allows the septage to pass through and captures the solids. The screenings are conveyed by a shaftless spiral to the dewatering zone where they are dewatered for landfill.

The shaftless spiral is fabricated of heavy carbon steel, double flighted for added durability. The entire process is simple to operate and maintain. The shaftless spiral has no submerged bearings or intermediate hanger bearings. A rugged brush mounted to the spiral continually wipes the screen basket clean. After a load is screened, a spray system automatically washes the tank interior.

# Advantages



User-friendly, maintenance-free septage pre-treatment protects downstream processes

- High capacity facilitates fast unloading
- Level control automatically regulates septage feed and prevents overflow
- 1/4" round screen openings remove troublesome solids and protect the process
- Dewatering reduces weight and volume and prepares screenings for landfill
- Fully enclosed stainless steel housing reduces odors
- Low maintenance – shaftless transport spiral has no submerged bearings
- Automatic washdown – spray headers wash the tank interior after shutdown
- Optional security access system allows 24-hour access for pre-qualified haulers
- Optional flow meter and totalizer provide computerized monthly billing
- Optional pH sensors prevent acceptance of “off spec” loads

## Fast payback

A Helisieve Plus® Septage Receiving Station prevents plant upsets and protects downstream equipment. It reduces hauling and landfill costs by dewatering the screenings for landfill and may even generate revenue for your plant. Payback time varies with the market price for septage acceptance.

## Satisfaction guaranteed

The knowledge gained from hundreds of installations and over 15 years of experience is the Parkson guarantee.



In-channel models are also available



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