

SEPTAGE UNIT

A HIGH
PERFORMANCE
AND LOW
MAINTENANCE
SOLUTION



Septage Unit Advantages:

- No rock trap or grinder needed.
- No tank needed.
- Proven Roto-Sieve technology.
- Self-cleaning design.



SEPTAGE UNIT

The Roto-Sieve Septage Unit is the world-class solution to the most common complaints related to septage receiving systems. The internally fed, self-cleaning, drum design efficiently handles the heavy solids loads common with septage. Trucks are unloaded easily and quickly. The various advantages of the Roto-Sieve Septage Unit are numerous.

ROTO-SIEVE SEPTAGE UNIT ADVANTAGES AND FEATURES:

- High capacity even with high solids content enables fast truck unloading. The unit is specifically designed for handling septage.
- No vertical or slotted seals of any kind eliminates the risk of seal failure and pass through. All flow must pass through the perforated drum to reach the downstream process.
- No rock trap or grinder needed. Eliminates the unsanitary process of plant personnel having to regularly clean out rock traps and maintain grinders.
- Proven Roto-Sieve technology.
- Self-cleaning design efficiently keeps screen free of debris.
- No tank needed. Eliminates solids sedimentation problems associated with tank-based septage receiving stations, a common complaint of plant personnel.
- Automatic overflow bypass with overflow sensor protects sensitive downstream processes from damage.
- Reduced odor issues as the unit is completely enclosed and all septage completely exits the unit after every load.
- Innovative drive design and lack of trunnion wheels results in low maintenance and high reliability. No regular lubrication required.
- Very low energy use. Largest unit uses only one 0.75hp motor.
- Compact, space-saving design.
- Control system can be as simple or as sophisticated as needed.
- Optional continuous bagging unit available to further contain odors.

TECHNICAL SPECIFICATIONS

| Septage Station Model | RSS-24 | RSS-36 |
|------------------------------------|-------------------|-------------------|
| Capacity (gpm) ¹ | 300 to 440 | 440 to 570 |
| Length (in) ² | 125 1/8 | 125 7/8 |
| Width (in) ² | 47 1/4 | 55 7/8 |
| Height (in) | 61 | 76 3/4 |
| Net Weight (lb) | 725 | 1390 |
| Operating Weight (lb) ³ | 815 | 1490 |
| Inlet Diameter (in) | 4 (Camlock) | 4 (Camlock) |
| Outlet Diameter (in) ⁴ | 16 | 20 |
| Overflow Outlet Diameter (in) | 8 | 10 |
| Spray Wash Connection | 1" | 1" |
| Rec. Spray Wash Pressure (psi) | 70 to 100 | 70 to 100 |
| Spray Wash Consumption (gpm) | 19 | 19 |
| Motor Horse Power | 0.5 | 0.75 |
| Available Perforation Sizes (mm) | 6.0 | 6.0 |
| Materials of Construction | 304 SS or 316L SS | 304 SS or 316L SS |

1. Capacity is self-regulating and dependent on septage characteristics.
2. Length and width dimensions include the standard inlet pipe design.
3. Static weight with drum filled with sludge to the overflow level.
4. Sized for unrestricted gravity discharge.



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