

AIRPORT RECEIVING STATION



Overview

The Monster Airport Receiving Station (ARS) is a complete, self-contained, below-grade and automated station that allows for simple, clean and efficient disposal of airplane lavatory sewage, also known as blue water.

Built around the legendary Muffin Monster® sewage grinder, the ARS allows you to keep up with increasing traffic and strict environmental regulations. The Muffin Monster uses dual-shafted cutting action to reduce troublesome solids to small particles which are easy to flush away. It can shred items such as rags, diapers, silverware, plastics and latex.

Once the system starts, the operator attaches a sewage hose to the quick connect coupler and starts the flow of wastewater. Flow is macerated as it passes through the grinder, then discharged into the local sewer system.

A PLC-based controller is standard. The optional MonsterTrack controller features a card swipe and electronic billing system to accurately track usage and record sewage flow.



Dual-shafted, steel cutters



More blue water arriving

Features & Benefits

Engineered tank design

- Pre-plumbed Muffin Monster and piping complete with P traps, vents, and drains
- Handles gravity fed or pumped flow and can unload a lavatory cart in minutes

Dual-shafted Muffin Monster grinder

- Reduces waste solids into smaller particles to prevent clogging and damage to downstream equipment, complying with discharge requirements
- Low-speed, high-torque design allows grinders to shred tough solids, clothing and rags
- Auto-load sensing and reversals

Energy-efficient motor

- 3 hp (2.2 kW) 3-phase electric motor; 5 hp (3.7 kW) optional

Quick connect hose coupler

- 4 inch (100 mm) coupler provides easy connection and prevents spillage, ensuring a clean receiving area (custom connection optional)

MonsterTrack control system (optional)

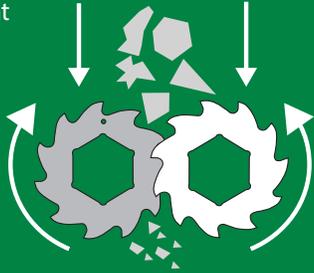
- Ensures only authorized user can access the system
- Monitors and stores transaction data (customer number, transaction number, date, flow quantity and type useful for billing)



Monster Airport Receiving Station with Muffin Monster® Grinder

Operation

1. Solids enter the Muffin Monster via the waste stream
2. Solids are passed through the cutters for size reduction
3. Ground material is smaller and particles pose no threat to downstream equipment



Capacity

ARS1204400 gpm (92 m³/hr)

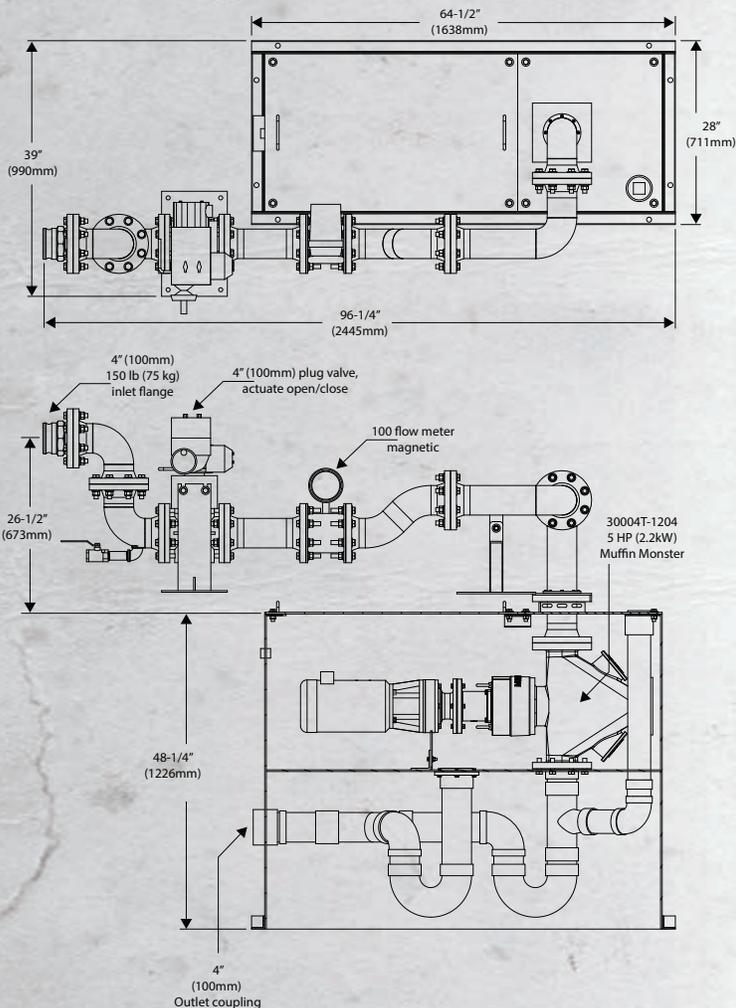
Materials of construction

Tank: 1/4"(6 mm) ASTM A 36 carbon steel with an epoxy resin coating.
64-1/2" L x 28"W x 48-1/4" H (1638 mm L x 711 W x 1226 H)

Grinder cutters: Heat-treated alloy steel, surface ground for uniformity and through-hardened

Seal faces: Tungsten carbide / tungsten carbide

Plumbing includes: Schedule 40 ABS-DWV piping and fittings, inspection flush port, floor drain with backflow valve, vent with spill hood



MonsterTrack



1 Lavatory truck pulls into the septage receiving bay



2 The operator swipes their card at the optional MonsterTrack* controller.



3 The controller activates the Muffin Monster grinder, plug valve* and flow meter*.



4 The operator connects and locks on the discharge hose and unloading begins.

*Optional



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