

HEAVY OBJECT TRAP

Grease Receiving

Description

Turning used restaurant grease into a useful resource is becoming popular at wastewater treatment plants. Grease and other high-strength organics are pumped into sludge digesters to boost biogas production and increase the production of renewable energy. However, it's difficult dealing with the rocks, rags, silverware and plastics in the grease.

The new Monster Industrial Heavy Object Trap (model GRS) makes it quick and easy to screen out trash and debris that causes damage to downstream pumps and systems.

The HOT is available in six sizes and features a HYDRO grinder and an adjustable bar screen with 1/2" or 1" (12 or 25 mm) spacings. As grease trucks unload, rocks, rags, knives, plastics and other debris are captured. The HYDRO grinder then homogenizes the liquid grease – breaking clumps into an easy-to-pump slurry.

Once unloading is complete, the user can perform a hot water washdown to flush debris off the bars and into the perforated capture basket below. The truck driver or plant operator then opens the lid, removes the perforated basket and empties it into a trash bin.

Available flow rates:

- 4" pipe (100 mm) - 400 gpm (25 l/s)
- 6" pipe (150 mm) - 600 gpm (38 l/s)
- Flow Rate - max. 15 psi (1 bar)

| Model | Pipe Size - inches (mm) | Basket Capacity |
|--------------|----------------------------|---|
| GRS0103-1804 | 4 (100) | 1.1 ft ³ (0.03 m ³) |
| GRS0103-2004 | 4 (100) | 1.5 ft ³ (0.04 m ³) |
| GRS0103-2404 | 4 (100) | 2.2 ft ³ (0.06 m ³)* |
| GRS0103-1806 | 6 (150) | 1.1 ft ³ (0.03 m ³) |
| GRS0103-2006 | 6 (150) | 1.5 ft ³ (0.04 m ³) |
| GRS0103-2406 | 6 (150) | 2.2 ft ³ (0.06 m ³)* |

* Lifting station recommended to empty basket.
Please contact factory for more information.

Applications

- Grease receiving/screening
- Septage receiving/screening
- Sludge receiving/screening
- Wastewater treatment plants
- Private septage haulers

Options

- MonsterTrack™ billing controller
- Receipt printer
- Card lock
- Flow meter
- Plug valve





A grease truck unloads through the Monster Industrial Heavy Object Trap and into a wastewater treatment plant's holding tank.



The screening bars use a unique design for max flow while capturing silverware, rags and plastics. A hot water washdown cleans the bars.



Heavy objects, rocks, silverware, rags and other debris drop or are washed into the perforated capture basket.



A 3-HYDRO in-line grinder in a grease receiving line.



Macerators work poorly in grease/waste receiving applications.



MonsterTrack billing controller features a card lock and receipt printer.



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