



Roll-Off Sludge Mate®

Designed to Dewater

The Sludge Mate® is a container filter used along with polymer to dewater various types of waste. Polymer is mixed in with the waste before it is processed through the Sludge Mate®. The filters within the Sludge Mate® retain the solids and allow the water to pass through and out the drainage ports. This discharge of clear liquid is not treated water and must be disposed of properly. Once the sludge has been dewatered for 12 to 24 hours and has passed the paint filter test, it will then be ready for disposal.



Sample Application

Beginning Waste % of Solids	Beginning Waste Volume	Processing Time	Dewatered Cake % of Solids	Dewatered Cake Volume	Volume Reduction
1 - 1.5%	10,000 Gallons	24 Hours	12-16%	1,000 Gallons (5 Cu Yards)	85 - 90%

Note: Individual application results, as well as processing capacity, may vary depending on % of solids in the sludge and sludge characteristics



Roll-Off Sludge Mates® are designed to be handled by a roll-off hoist truck. They are of rectangular design and have a filter panel on each wall and one in the center extending the length of the container. Each Roll-Off unit can be equipped with a sliding lid, a tarp, a closed roof with hatchways, or an open top. All units are offered with or without the Poly-Mate® Polymer Mixing and Injection System.



Sludge Mate® Processing Capabilities

Sludge Mate® Size	Amount of sludge processed per day*
15 cu. yd.	15,000 gallons
20 cu. yd.	20,000 gallons
25 cu. yd.	25,000 gallons
30 cu. yd.	30,000 gallons
40 cu. yd.	40,000 gallons

**Calculations based on sludge with 1% of solids. Results may vary according to sludge characteristics.*

- Digested Sludge
- Alum Sludge
- Grease Trap Waste
- Septic Tank Waste



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U.S. Patent Nos. 4,871,454 and 5,595,654

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Engineered Drawings available Upon Request

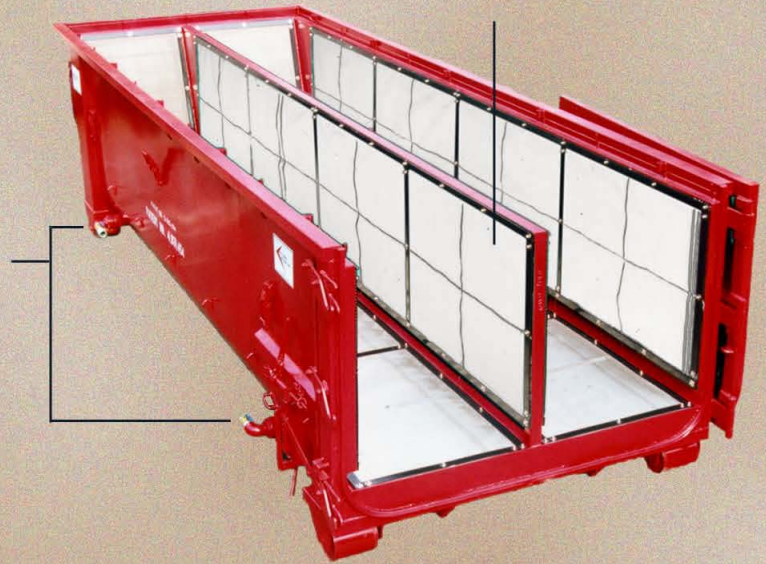
Roll-Off Models

Standard sizes: 15, 20, 25, 30 and 40 cubic yard capacities. As an option, a center panel can be added to increase the drainage surface area. Roll-offs are round-bottom containers with 3" drainage ports, 1/4" gasketed watertight doors, a 1/4" floor, and 3/16" side walls. Roll-offs are commercially sandblasted, coated with a two-part epoxy primer, and painted with a two-part epoxy top coat.

- Available with Reusable Nylon Screens
- Available with Split Rolling Lid

optional center panel with porous support plates behind filter media

Filtered liquid drains (two on each side) by pump or gravity drainage of bottom filter cavity. Two additional drains are located on the front of the container for draining wall cavities.



Model RB-25-0-G/V-VPF features an open top, 25 cubic yard Gravity/Vacuum and vertical center panel



15 cu. yd.



20 cu. yd.



25 cu. yd.



30 cu. yd.



40 cu. yd.

Loader Model

Standard sizes: 1-1/2, 2, 3, and 4 cu. yd. Available in front, rear or side-loader models. These Container Filters can be picked up and unloaded by standard loader trucks.

Gravity/Vacuum style with casters and lid

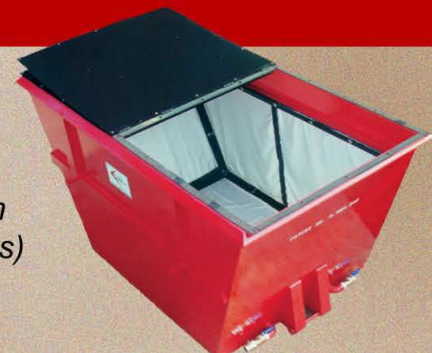


FL-2-C-G/V 2 cu. yd. Loader

Lugger Model

Standard sizes: 6, 8, 10, 14, and 16 cu. yd. These Container Filters are custom made to fit lugger trucks and hoists.

sloped bottom (towards drains)



filtered liquid drains

LB-8-C-G/V 8 cu. yd. Gravity/Vacuum style with hinged lid

Container Filters

Patent No. 5,681,460
& 4,871,454

Available in three styles:

- **Basic** - floor filter only
- **Standard** - floor and side filters
- **Gravity / Vacuum** - vacuum filtration of floor screens and gravity draining of side screen
- *Cover Lids - available for all models*
- *Center panels - for greater filter area on all models*

Available Container Filter Models:

- Roll-off
- Self-Dumping Hoppers
- Front Loaders
- Rear/Side Loaders
- Retro-Fits
- Trailer Mounted
- Tipping Stand Mounted
- Vacuum Boxes

Filter Media:

Reusable Filter

Materials:

- Polyester
 - Stainless Steel
 - Polypropylene
 - Nylon
 - Other Plastics
- Mesh Size: 4 - 325
Micron Rating: 4750 - 45

Disposable Filter

Materials:

- Polypropylene Non-Woven
WT. 3oz., 4oz., 6oz., 8oz., 10oz. Micron Rating: 12 - 100
- Polypropylene Monofilament
Mesh size: 40 microns

THE CONTAINER FILTER is a patented, economical one-step method for separating and dewatering sludge, slurries and waste streams. The container filter's simple design consists of three components: the Container, porous support panels, and filter media. The space between the support panels, container walls and floor provide a drainage field for liquid. Outlets on the bottom and side walls of the container allow for gravity drainage or pump suction of liquid from the Container Filter.

All models of Container Filters can be altered to fit the customer's specific requirements.

