



Grease Interceptors for Florida

HT-2809

Cylindrical Passive Grease Interceptors

Highland Tank's Passive Grease Interceptors (PGI) help restaurants and food service facilities comply with the municipal Sewer Pretreatment Regulations.

PGIs are gravity-based grease interceptors that intercept and remove large quantities of sewer clogging fats, oils, and grease (FOG) that might interfere with the proper drainage and treatment of municipal wastewater.

These interceptors are designed to have more retention time and storage capacity, and require less maintenance by facility personnel than smaller capacity indoor grease traps. Highland Tank PGIs are lighter than traditional concrete units, resulting in lower delivery, crane rental, and installation costs.

Highland Tank PGIs are efficient and meet or exceed many municipal FOG discharge regulations. Design, construction, and sizing conforms to recognized plumbing codes, including those with 30 minute retention times.

PGIs can be configured and are designed to site-specific needs. Typically located near the source of the discharge, they can be installed above or under ground to receive gravity flow from kitchen fixtures and drains.

Highland Tank's PGIs contain specially designed internal baffles and bulkheads that reduce flow turbulence and accelerate the separation process.

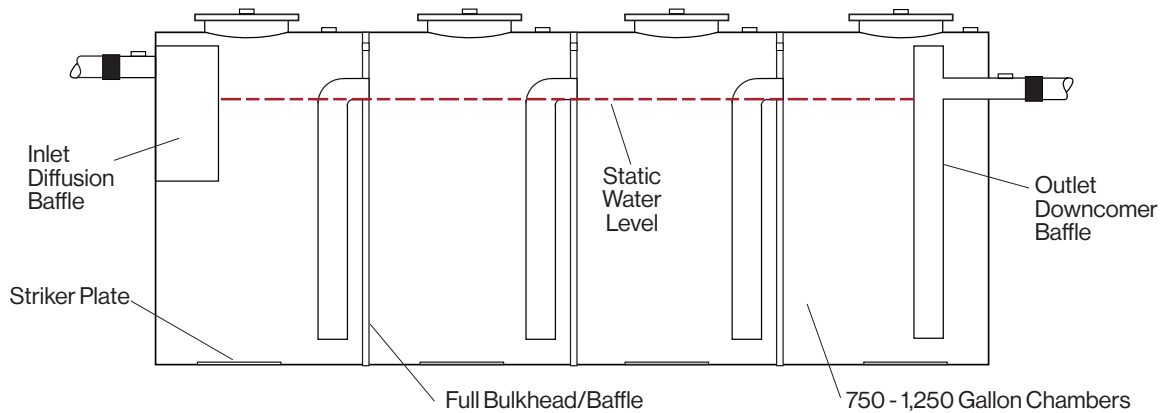
Highland Tank PGIs for use in Florida are designed with compartments ranging in size from a minimum of 750-gallons and maximum of 1,250-gallons to meet specific site requirements.

In operation, flow enters the PGI, solids immediately start to drop out and collect in the bottom of the tank. Grease rises and accumulates on the water's surface, leaving the clearer water beneath to transfer into the next compartment and eventually discharge from the PGI.

Regular inspections to monitor grease and solids accumulations can help determine maintenance cycles. Grease and solids are removed through one of the tank-top manways.

During clean-out, solids and liquids flow to the bottom center-line, making the cylindrical design easier to clean than flat bottom interceptors.

General Arrangement



Construction

Florida code requirements mandate a minimum 750 and maximum 1250-gallons per treatment compartment. Site-specific treatment volume and flow rate will determine the number and configuration of compartments for a Highland Tank PGI installed in Florida.

Gravity Grease Interceptor sizing and construction is consistent with industry protocols for complying with the sewer pretreatment regulations.

High-quality Highland Tank PGIs are designed for the hydrostatic pressure and rigors of underground environments. All Highland, HighGuard protected interceptors are factory pressure-tested.

Constructed of heavy-duty carbon steel, meeting ASTM specifications, Highland Tank's PGIs don't crack or collapse like concrete or fiberglass units might in similar environments.

Complies with State of Florida Department of Health, Standards for On-site Sewage Treatment and Disposal Systems, 64E-6.013: Construction Materials and Standards for Treatment Receptacles

Factory and Steel Tank Institute specifications are followed to assure complete internal and external corrosion protection.

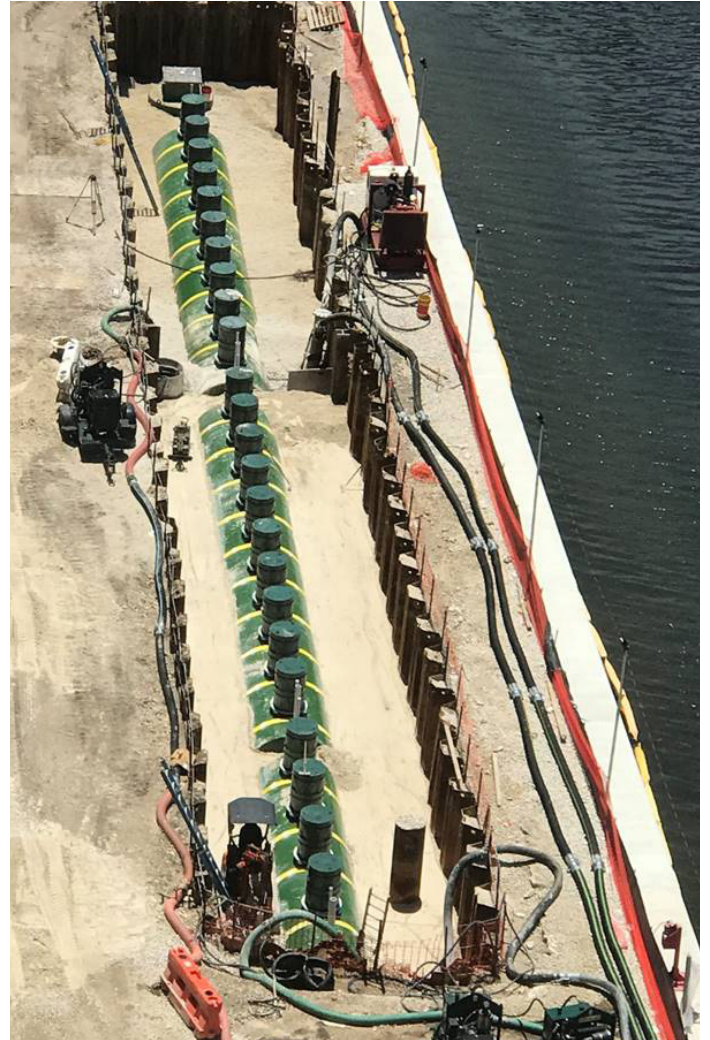
We offer complete interior/exterior blast and finish coatings, including the Highland HighGuard, UL-1746 approved protective coating with a limited 10-year warranty.

Additionally, a full immersion, high-temperature, acid resistant internal polyurethane lining is available to assure years of continuous service and ease of cleaning.

Stainless steel or double-wall construction are available, as are aboveground rectangular tank designs with optional electric heating systems.



Features, Benefits and Options



Features and Benefits

- Save on excavation and installation
- Bulkheads and transfer pipes provide for better performance
- Pressure tested for tightness
- Lighter and easier to install than similar sized concrete units
- Easy to clean
- State of the art exterior corrosion protection system with 10-year warranty
- Field-Stackable Manway Risers
- Large inspection & maintenance access manways
- Conforms to ANSI - IAPMO - Z1001-2007

Options

- Stainless Steel Construction
- Double-wall Secondary Containment
- Manway Extensions
- EZ- Access Manways
- Traffic Duty Covers
- Electric Heating Systems
- Heavy-duty interior high temperature, acid resistant lining.
- Flanged Connections
- Other Corrosion Protection Systems
- 30-Year Limited Warranty



This diagram illustrates manway risers on a four basin PGI.

Sizing Details

Total Volume Gallons	Nominal Inside Diameter	Nominal Inside Dimensions Length	Inlet & Outlet Diameter
800	5'-4"	7'-0"	4"
1,000	5'-4"	7'-10"	4"
1,250	5'-4"	8'-8"	4"
1,500	5'-4"	11'-0"	4"
2,000	5'-4"	15'-0"	4"
2,500	5'-4"	17'-8"	4"
3,000	5'-4"	21'-0"	4"
4,000	6'-0"	22'-4"	6"
5,000	7'-0"	19'-10"	6"
6,000	7'-0"	23'-9"	6"
6,250	7'-0"	24'-4.5"	6"
7,500	7'-0"	29'-9"	6"
10,000	7'-0"	40'-4"	6"
12,000	7'-0"	50'-0"	8"
15,000	7'-6"	53'-0"	8"
17,500	8'-0"	56'-0"	8"
20,000	8'-0"	64'-0"	8"

All models have Florida DOH approvals; additional listings may be available by contacting Highland Tank at 814-893-5701.



Highland Tank®



Stoystown, PA
One Highland Rd.
Stoystown, PA 15563
(814) 893-5701

Manheim, PA
4535 Elizabethtown Rd.
Manheim, PA 17545
(717) 664-0600

Watervliet, NY
958 19th St.
Watervliet, NY 12189
(518) 273-0801

Greensboro, NC
2700 Patterson St.
Greensboro, NC 27407
(336) 218-0801

Friedens, PA
1510 Stoystown Rd.
Friedens, PA 15541
(814) 443-6800

Clarkston, MI
4701 White Lake Rd.
Clarkston, MI 48346
(248) 625-8700

Mancelona, MI
9517 Lake St.
Mancelona, MI 49659
(231) 587-8412