



Passive Grease Interceptors

HT-2899

Passive Grease Interceptors (PGI) help FSE and food production/processing industries comply with the EPA Sewer Pretreatment Regulations. PGIs are high-performance gravity grease interceptors designed to intercept and remove large quantities of sewer-clogging FOG and oily food waste before it is discharged in a municipal wastewater treatment system.

PGI sizing and construction conforms to recognized plumbing codes and meets or exceeds most municipal FOG discharge requirements. They can be sized for greater volumes, storage capacity and even retention times up to 30 minutes.

We construct our standard PGIs from mild carbon steel, meeting ASTM specifications, for superior structural strength and impermeability.

Unlike old-style concrete or fiberglass interceptors, Highland Tank's PGIs don't crack, leak or collapse under hydrostatic pressure. And unlike many competitive units, they're water tight and pressure testable for leaks in both the factory and the field.

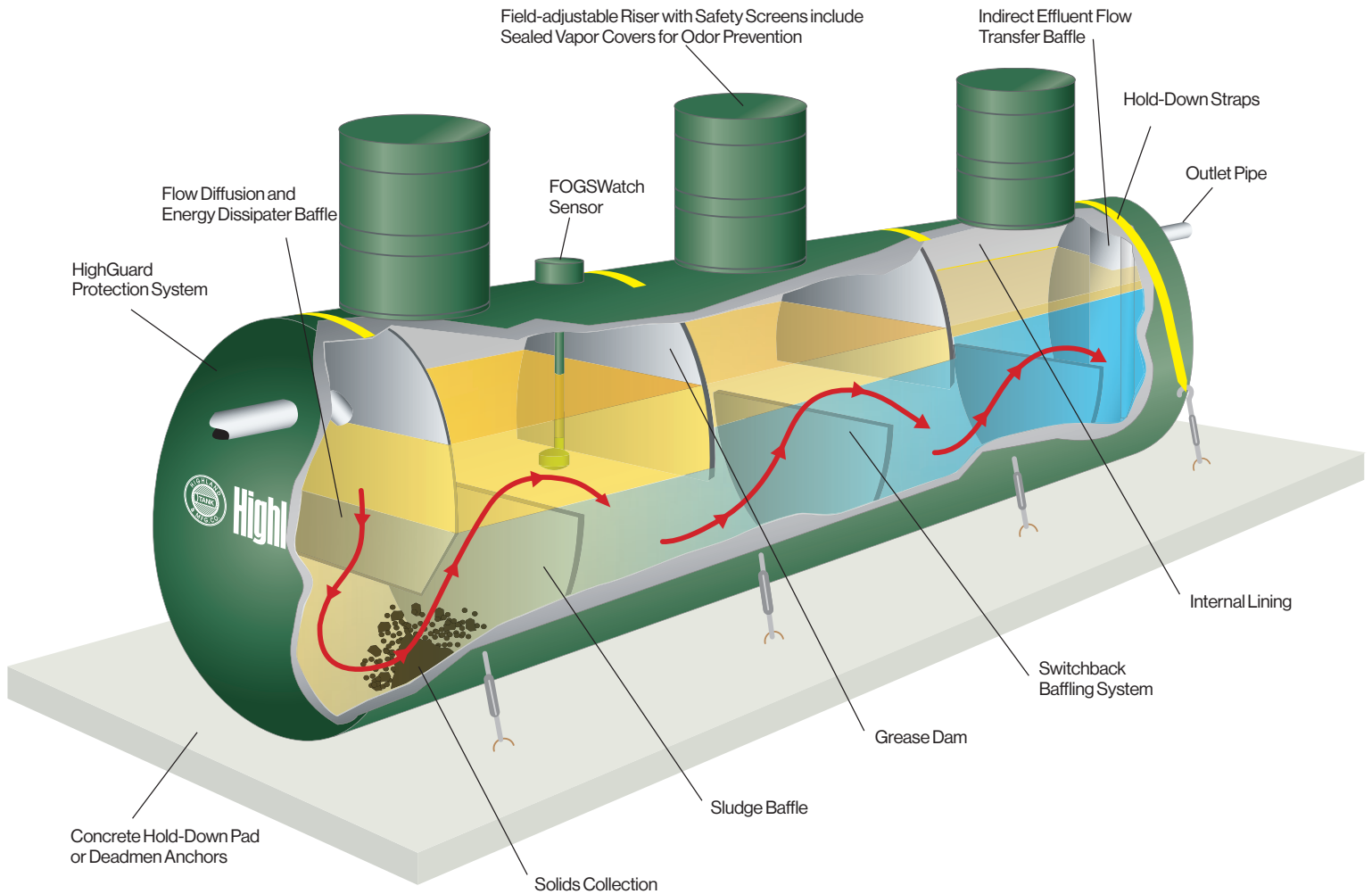


Advanced Corrosion Protection

Factory and Steel Tank Institute specifications are followed to assure complete internal and external corrosion protection. We offer complete interior/exterior grit blast and finish coatings, including Highland Tank's HighGuard UL-1746 approved protective polyurethane coating.

An additional acid-resistant internal polyurethane lining assures years of continuous service.

How it works



PGIs are approved by the IPC, UPC and state plumbing codes in many states and municipalities. Custom designs are available to meet Authority Having Jurisdiction (AHJ) requirements. Consult a local Highland Tank representative for assistance with the local AHJ regulations.

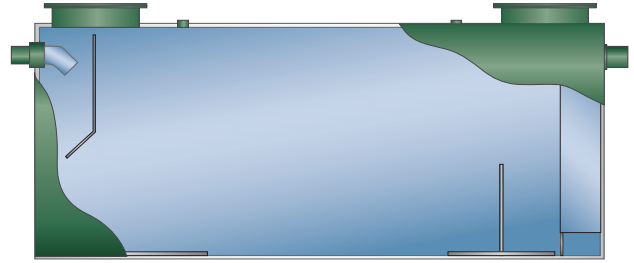


Highland Tank[®]

Design Options

Single Basin Interceptors

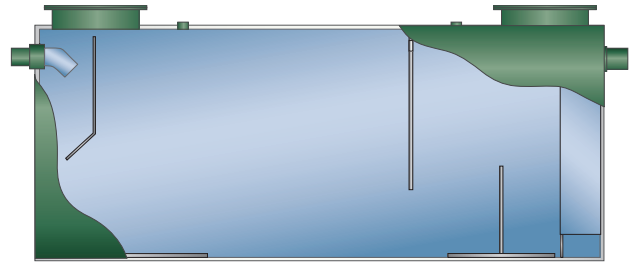
Single Basin Interceptors have a single collection chamber and a sludge baffle to remove FOG and solids. This is our simple grease and garbage "knock-out" design.



A Simple "Knock-Out" Interceptor

Double Basin Interceptors

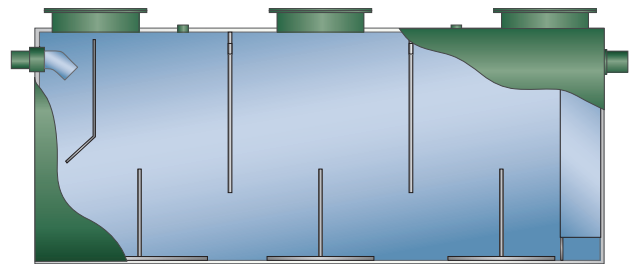
Double Basin Interceptors have two collection chambers and a sludge baffle. Our most popular design conforms to IAPMO/ANSI Z1001-2007.



Meets UPC requirements for Gravity Grease Interceptors

Triple Basin Interceptors

Triple Basin Interceptors have three collection chambers and a sludge baffle. FOG and solids are trapped in the first compartment and any remaining grease is trapped in the second compartment. The third chamber can be modified and equipped with an effluent pump system when gravity flow to the sewer is not an option.



Approved - Washington Suburban Sanitary Commission (WSSC)

Standard Features

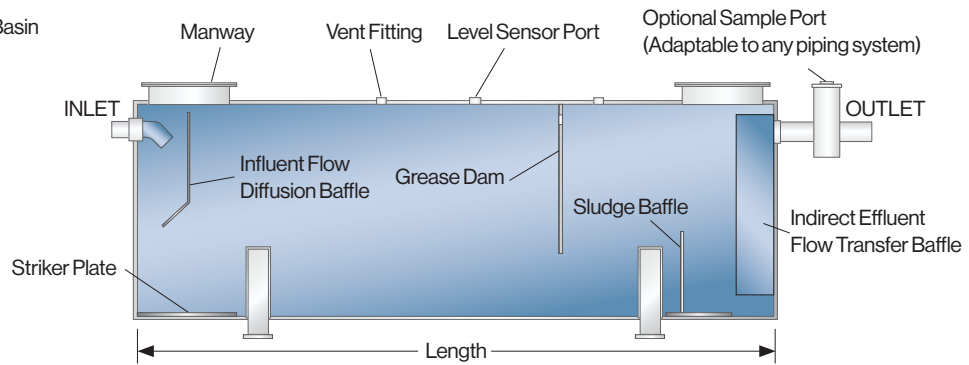
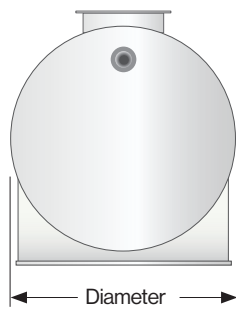
- Rugged protected steel construction for superior structural strength
- Factory welded inlet, outlet, transfer pipes and baffles
- Exterior polyurethane coating provides corrosion protection
- Acid-resistant internal polyurethane lining to protect against hydrogen sulfide damage
- Light color interior coating for ease of inspection
- Smooth, interior lining makes pump-outs and cleaning easier
- Factory-mounted on structural steel skid for bolting to pad
- Hinged vapor-sealed covers for easy access, inspection and maintenance
- Factory-tested for tightness

Construction Options

- Aboveground or Underground
 - Stainless Steel Construction
 - Double-Wall Secondary Containment
 - Stackable Risers and Covers - can be modified in the field to allow for easy installation
 - Manway Extensions
 - Large EZ-Access Manways
 - Grade-Level Manways
 - Saddles or I-Beam Supports
 - Deadmen Anchoring System
 - FOGSWatch Monitoring System
 - Effluent Filters
- Influent or Effluent Pump Systems

Drawing & Details

Aboveground Cylindrical Double Basin



Total Volume Gallons	Nominal Dimensions		Inlet & Outlet Diameter
	Diameter	Length	
†*250	3'-6"	4'-2"	4"
†*350	3'-6"	5'-10"	4"
†550	3'-6"	9'-2"	4"
†750	3'-6"	12'-6"	4"
†1,000	4'-0"	12'-4"	4"
†1,250	4'-0"	15'-4"	4"
†**1,500	5'-4"	10'-2"	4"
†2,000	5'-4"	13'-8"	4"
†2,500	5'-4"	17'-0"	4"
†3,000	6'-0"	15'-10"	4"
†3,500	6'-0"	18'-4"	4"
†4,000	6'-0"	21'-4"	4"
†5,000	6'-0"	27'-6"	6"
6,000	7'-0"	23'-6"	6"
7,000	7'-0"	27'-8"	6"
8,000	8'-0"	23'-8"	6"
9,000	8'-0"	26'-8"	6"
10,000	8'-0"	29'-8"	6"
12,000	10'-0"	22'-6"	8"
15,000	10'-0"	28'-0"	8"
20,000	10'-6"	33'-8"	8"
25,000	10'-6"	42'-8"	8"
30,000	12'-0"	38'-6"	8"
40,000	12'-0"	47'-6"	8"
50,000	12'-0"	59'-6"	8"
60,000	13'-0"	60'-6"	8"

* Available as single-basin ONLY with one manway, all others have one manway per basin. ** 1,500 triple basin dimensions 5'-0" x 11'-10". †IAPMO UPC Approved. Gravity Grease Interceptor (GGI) sizing and construction is consistent with industry protocol for complying with the sewer pre-treatment regulations. GGI sizing is based on 30-minute retention time. Consult Highland Tank for alternate sizing methods and custom sizes.



Highland Tank®



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