
Highland SB-PGI Passive Grease Interceptors



Highland Tank
Waste Water Division



SB-PGI Single Basin Passive Grease Interceptors

Highland Single Basin Passive Grease Interceptor are designed to intercept and remove large quantities of fats, oils, and grease (FOG), discharged from food service facilities and large commercial/institutional kitchens, which might interfere with the proper drainage and treatment of municipal wastewater.

Highland Passive Grease Interceptors are highly efficient. Designed to accept gravity flow, Highland Passive Grease Interceptor Tanks, with their advanced "Switchback Baffling System™", retain wastewater long enough to allow liquefied grease to cool down,

separate, and congeal. Highland Passive Grease Interceptors keeps large amounts of pipe-clogging grease from entering the sanitary sewer system.

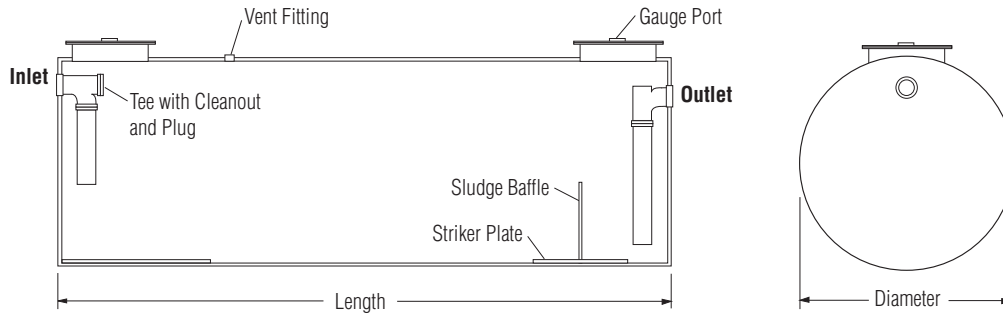
All Highland Passive Grease Interceptors are of the highest quality and are designed for the rigors of a belowground environment. They are constructed of protected steel to Underwriter,s Laboratories UL and Steel Tank Institute STI-P3® or ACT-100-U® specifications, with 30 year limited warranty against corrosion and structural failure. Additionally, a rugged acid resistant internal polyurethane lining provides for years of continuous service

Options

- Stainless Steel Construction
- Double Wall Secondary Containment
- Manway Extensions
- EZ- Access™ Manways
- Traffic Duty Covers
- Steam or Electric Heating Systems
- Aboveground Rectangular Designs

Please contact Highland Tank for more details.

General Arrangement



Double and triple basin interceptors are available. Manhole extensions are available as an option.

SB-PGI Single Basin Passive Grease Interceptors

Highland Passive Grease interceptors help facilities comply with the EPA Fats, Oils, and Grease Pretreatment Program!

Highland Passive Grease Interceptors are designed to intercept the liquid greasy waste and/or garbage from the discharge piping from a food preparation facility or kitchen and retain it for a sufficient amount of time. Grease, especially when hot or warm, is lighter than water and will not mix well with water.

With their advanced "Switchback Baffling System™", Highland Passive Grease Interceptors retain wastewater long enough to allow for cool-down of the greasy liquid, thus promoting coagulation and separation of the grease from the water. This proprietary baffling and detention time also allows for separation of the garbage from the wastewater. The grease cools down and floats on the top of the Interceptor until the service contractor removes it. The wastewater is allowed to discharge from the bottom of the interceptor into the main sewer system.

Highland Tank's Model HT-SB-PGI Interceptors conform to Uniform Plumbing Code. Interceptors are constructed of all-welded mild carbon steel. STI-P3® or ACT-100-U® Interceptors with interior acid-resistant lining, inlet, outlet, vent, and gauge threaded fittings, internal baffles, and 18" or 24" manway(s). Options include hold down straps, manway extensions, and traffic duty covers.

Nominal Capacity (gal.)	Operating Grease Volume (lbs.)	Dimensions		Inlet / Outlet Diameter	Thickness	Approximate Wt. (lbs.)
		Diameter	Length			
†240	120	3' 2"	4' 0"	4"	7 ga.	748
†300	150	3' 2"	5' 0"	4"	7 ga.	848
550	250	3' 6"	7' 9"	4"	7 ga.	1,250
750	370	3' 6"	10' 9"	4"	7 ga.	1,550
1,000	500	4' 0"	10' 9"	6"	7 ga.	1,818
1,500	750	5' 4"	9' 0"	6"	7 ga.	2,215
2,000	1000	5' 4"	12' 0"	8"	7 ga.	2,690
2,500	1250	5' 4"	15' 0"	8"	7 ga.	3,165
3,000	1500	5'-4"	18'-0"	8"	7 ga.	3,665
4,000	2000	5' 4"	24' 0"	8"	7 ga.	4,665
5,000	2500	6' 0"	23' 10"	10"	1/4"	6,821
6,000	3000	6' 0"	28' 8"	10"	1/4"	7,971
7,000	3500	7' 0"	24' 4"	10"	1/4"	8,250
8,000	4000	7' 0"	28' 0"	10"	1/4"	9,300
9,000	4500	8' 0"	24' 0"	12"	1/4"	9,582
10,000	3000	8' 0"	26' 8"	12"	1/4"	10,782
12,000	6000	8' 0"	32' 0"	12"	1/4"	12,782
15,000	7500	10' 0"	25' 6"	14"	5/16"	16,098
20,000	10000	10' 6"	31' 0"	16"	5/16"	19,954
25,000	12500	10' 6"	38' 9"	18"	3/8"	28,145
30,000	15000	10' 6"	46' 6"	20"	3/8"	32,945
40,000	20000	12' 0"	47' 6"	24"	3/8"	39,577
50,000	25000	12' 0"	59' 6"	24"	3/8"	47,577

† - One Manway, * Intermittent Flow ** Grease Interceptor sizing is based on the Simplified Municipal Sewer Authority Sizing Method for Restaurants. Consult Highland Tank Engineering Department for alternate sizing methods. Weights shown are for Single-wall Passive Grease Interceptors. Contact Highland for all other weights.

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