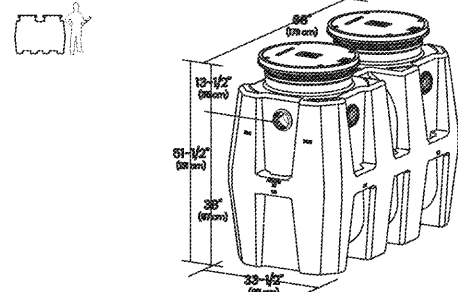


# SPECIFICATION AND SUBMITTAL

## GB-250 100/200 GPM Grease Interceptor for Indoor/Outdoor Use



This unit is certified to ASME A3234.5 (Type C) and CSA B481.1 at two different flow rates and includes the Internal Flow Control for both. Internal flow control with vent not required. **Submittal Note:** Submit 80% efficiency requirements when all listed units are installed in series.

### SUBMITTAL

Standard	Options
Less than indoor/outdoor installation above/below grade Flow Rates / Grease Capacity: 100 GPM (3.8 L/s) / 120 lbs. 200 GPM (7.6 L/s) / 180 lbs. Solids Capacity: 25 gal. Liquid Capacity: 275 gal. Weights: 250 lbs. Connections: 4" (100 mm) plain end Cast iron bolted gas/water tight composite with 10,000 lb. load rating	<input type="checkbox"/> 4" (100 mm) plain end inlet/outlet (straight-through) <input type="checkbox"/> 4" (100 mm) plain end inlet/outlet (tee-outlet) <input type="checkbox"/> 4" (100 mm) male thread inlet/outlet (cast-iron steel/straight-through) <input type="checkbox"/> 4" (100 mm) flange outlet (straight-through only) <input type="checkbox"/> PLMB-24-34x2" (50 mm) plain end fitting <input type="checkbox"/> PLMB-24-34x2" (76 mm) plain end fitting <input type="checkbox"/> PPT-24-34x2" x 2" (76 x 100 mm) PPT fitting <input type="checkbox"/> PPT-24-34x4" x 2" (100 x 76 mm) PPT fitting <input type="checkbox"/> GB-250 H20 load rated plate steel cast iron cover - 10,000 lbs. <input type="checkbox"/> GB-250 Membrane Clamping collar kit <input type="checkbox"/> PWC Pumpout Port <input type="checkbox"/> H20 High Water Anchor Kit <input type="checkbox"/> Steel Grid Mats <input type="checkbox"/> 2824 (2) 1" - 20" <input type="checkbox"/> 2824 (2) 2" - 30" <input type="checkbox"/> 2824 (2) 3" - 42" <input type="checkbox"/> 2824 (2) + 1824 (2) 4" - 60" <input type="checkbox"/> 2824 (2) - 72"

Approval

Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Company: \_\_\_\_\_  
 Specifying Engineer: \_\_\_\_\_ Engineering Firm: \_\_\_\_\_

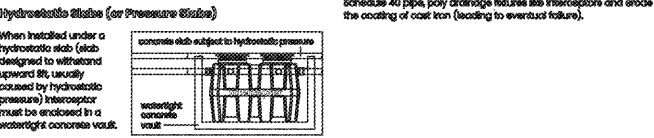
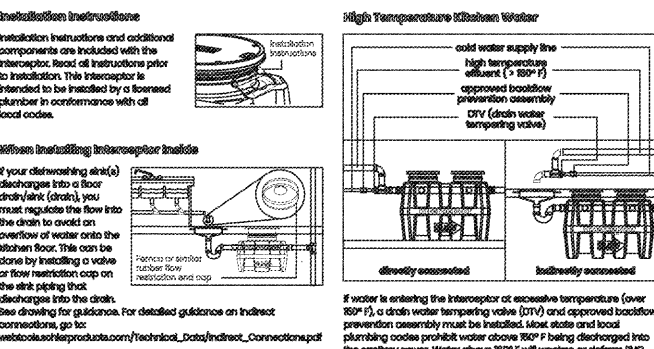
**SCHIER** SUBMITTAL SHEET  
**GB-250**  
 100/200 GPM Polyethylene Grease Interceptor  
 DWG BY: S. Kozar DATE: 10/12/2018 REV: \_\_\_\_\_  
 8000 Woodland Road | Shawnee, KS 66201 | Tel: 913-681-8800 | www.schierproducts.com

### SPECIAL PRECAUTIONS

For Schier Grease Interceptor Installations - Failure to follow this guidance voids your warranty.

**WARNING:** DO NOT AIR TEST OR PRESSURIZE. Doing so may result in property damage, personal injury or death.

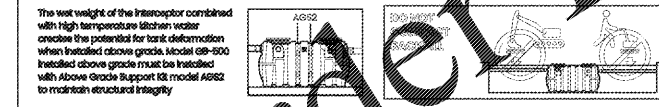
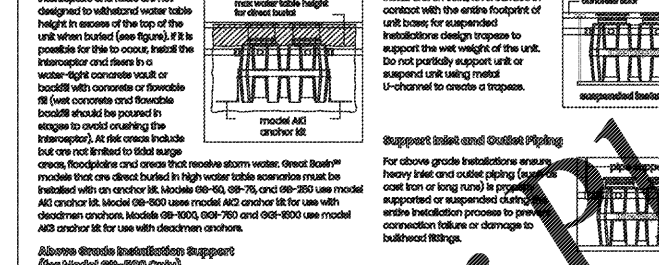
**CAUTION:** Do not install this unit in any manner except as described in these instructions.



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### SPECIAL PRECAUTIONS

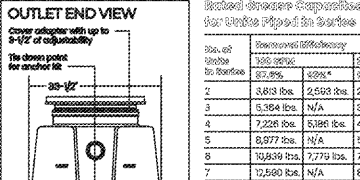
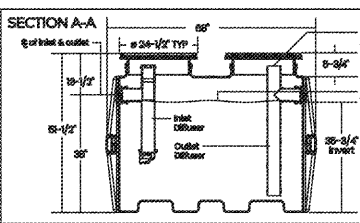
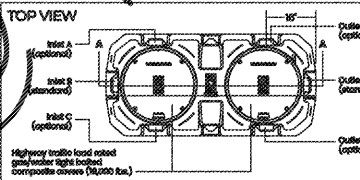
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### SPECIFICATIONS

- 4" plain end inlet/outlet
- Unit weight - minimum 250 lbs. (net weight) iron covers 340 lbs. (for wet weight add 2500 lbs.)
- Maximum operating temperature: 180° F continuous
- Capacity - liquid 275 gal. (200 GPM - Grease 120 lbs.)
- Subsidiary flow control for series installations, only install flow control on the first unit in the series.
- For applications only, do not use for pressure applications. Lower capacities allow full access to tank for cleaning purposes.
- Interceptors and bases are not designed to withstand water table height in excess of the top of the unit when buried (see figure). If it is possible for this to occur, install the interceptor and flow in a water-tight concrete vault or backfill with concrete or flowable fill (wet concrete and flowable backfill should be poured in stages to avoid crushing the Interceptor). At risk areas include but are not limited to flood surge areas, floodplains and areas that receive storm water. Great Basin™ models that are direct buried in high water table scenarios must be installed with an anchor kit. Models 98-100, 98-75, and 98-250 use model AK1 anchor kit. Model 98-500 uses model AK2 anchor kit for use with deckman anchors. Models 98-1000, 98-750 and 98-400 use model AK3 anchor kit for use with deckman anchors.
- Subsidiary flow control for series installations, only install flow control on the first unit in the series.
- For applications only, do not use for pressure applications. Lower capacities allow full access to tank for cleaning purposes.
- Interceptors and bases are not designed to withstand water table height in excess of the top of the unit when buried (see figure). If it is possible for this to occur, install the interceptor and flow in a water-tight concrete vault or backfill with concrete or flowable fill (wet concrete and flowable backfill should be poured in stages to avoid crushing the Interceptor). At risk areas include but are not limited to flood surge areas, floodplains and areas that receive storm water. Great Basin™ models that are direct buried in high water table scenarios must be installed with an anchor kit. Models 98-100, 98-75, and 98-250 use model AK1 anchor kit. Model 98-500 uses model AK2 anchor kit for use with deckman anchors. Models 98-1000, 98-750 and 98-400 use model AK3 anchor kit for use with deckman anchors.



**Sectional Grease Capacity for 12\"/>

Size, 4\"/> <th>Capacity (lb.)</th> <th>Capacity (gal.)</th>	Capacity (lb.)	Capacity (gal.)
2	3,813 lbs.	2,593 gal.
3	5,384 lbs.	N/A
4	7,226 lbs.	5,081 gal.
5	8,977 lbs.	N/A
6	10,639 lbs.	7,719 gal.
7	12,500 lbs.	N/A
8	14,452 lbs.	10,772 gal.

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www.LDILine.com

Architect:  
**JJO**  
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 DALLAS, MISSISSIPPI 39111  
 TEL: 1-47-343-8825  
 WWW.JOHNREYNOLDS.COM  
 E-MAIL: SCHIER@JOHNREYNOLDS.COM

Civil Engineer:  
**RDC**  
 REYLING DESIGN & CONSULTING  
 4516 Boardwalk | Smithton, IL | 62285  
 reylingdc@gmail.com  
 Kansas Firm License: E-2758  
 KS Certificate of Authority: 5066014

Professional Engineer Seal:  
 TODD JEFFREY REYLING  
 LICENSE NO. 25336  
 KANSAS PROFESSIONAL ENGINEER  
 LICENSE EXPIRES - 04.30.2021  
 DATE SIGNED - 03.17.2020

ENGINEER OF RECORD:  
 Todd J. Reyling, PE  
 Kansas PE 25336

ISSUED / REVISED	DATE
ISSUED TO CLIENT	01.21.2020
REVISED PER CITY COMMENTS	02.14.2020
REVISED PER CITY COMMENTS	03.17.2020

PROJECT NUMBER: 19-159

New Ground Up Building:  
**Captain Ds**  
 7525 State Avenue  
 Kansas City, KS 66112  
 Wyandotte County

Construction  
 Details  
**C700**