# SPECIFICATIONS

**NOTES**

1. 4" plain end inlet/outlet
2. Unit weight - w/composite covers: 220 lbs; w/cast iron covers: 340 lbs. (For wet weight add 2,090 lbs.)
3. Maximum operating temperature 140°F continuous
4. Capacities - Liquid: 275 gal.; @100 GPM - Grease: 1,751 lbs @200 GPM - Grease: 1,188 lbs Solids: 21 gal.
5. Built-in Flow control. For series installations, only Install flow control on the first unit in the series if necessary.
6. For gravity drainage applications only.
7. Do not use for pressure applications.
8. Cover placement allows full access to tank for proper maintenance.
9. Vent not required unless per local code.
10. Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping. For series installations, the top of the inlet diffuser on the first unit in the series must be sealed.
11. Integral air relief / Anti- siphon / Sampling access.
12. Fitted outlet models (-FO) have inlet and outlet permanently welded at the factory in the straight-through (B) positions.

**DIFFUSION FLOW TECHNOLOGY**

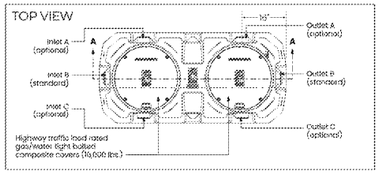
The inlet diffuser splits influent into three paths, creating laminar flow and utilizing the entire liquid volume of the tank for efficient grease separation. The calibrated openings greatly reduce effluent turbulence. The effluent enters the main chamber without disturbing the existing grease or sediment layers. The integral air relief / anti-siphon in the top of the outlet diffuser allows pressure stabilization within the unit during operation. The bottom of the outlet diffuser allows only effluent which is free of grease to exit the tank. It can easily be attached to any of the three outlets provided to ease job site piping layouts.

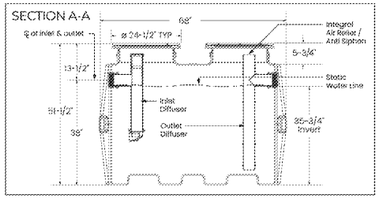
**ENGINEER SPECIFICATION GUIDE**

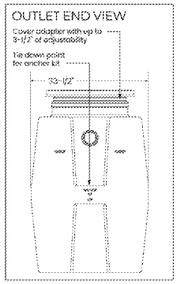
Schier Great Basin™ grease interceptor models # GB-250 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (type C) and CSA B4811 with field adjustable riser system, built-in flow control, three inlet options and three outlet options. Interceptor flow rate shall be 100 or 200 GPM. Interceptor grease capacity shall be 1751 lbs. @ 100 GPM or 1188 @ 200 GPM. Cover shall provide water/gas- tight seal and have minimum 15,000 lbs. load capacity.

**CERTIFIED PERFORMANCE**

Great Basin hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME A112.14.3 and CSA B4811 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.




**Rated Grease Capacites for Units Piped in Series**

| No. of Units in Series | Removal Efficiency 100 GPM 97.6% | 100 GPM 99%* | 200 GPM 93.5% |
|---|---|---|---|
| 2 | 3,503 lbs. | 2,593 lbs. | 2,352 lbs. |
| 3 | 5,164 lbs. | N/A | 3,588 lbs. |
| 4 | 7,228 lbs. | 5,368 lbs. | 4,784 lbs. |
| 5 | 8,977 lbs. | N/A | 5,980 lbs. |
| 6 | 10,839 lbs. | 7,778 lbs. | 7,176 lbs. |
| 7 | 12,590 lbs. | N/A | 8,372 lbs. |
| 8 | 14,452 lbs. | 10,372 lbs. | 9,568 lbs. |

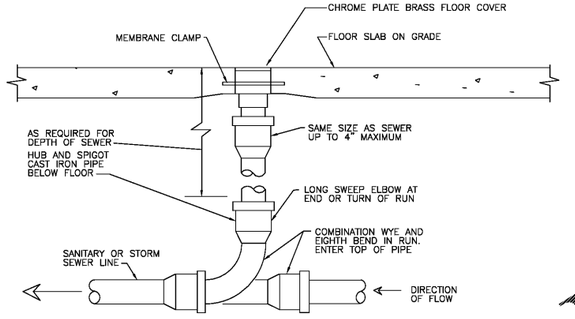
Units piped in series are certified to ASME A112.14.3 (Type C) and CSA B4811 and include an internal flow control. External flow control with vent not required. Testing was performed on a series installation of 2 GB-250 units. Capacities for more than 2 units piped in series were calculated using the results of the 2-series test.

* Satisfies Uniform Code 99% efficiency requirements



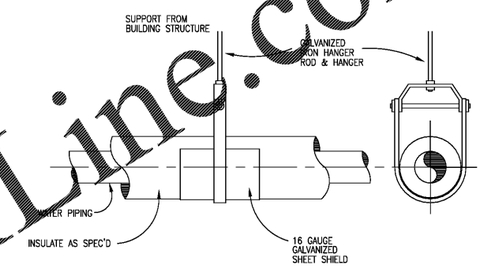
Page 4 of 4

1 / P1.03 **GREASE INTERCEPTOR**
SCALE: NONE

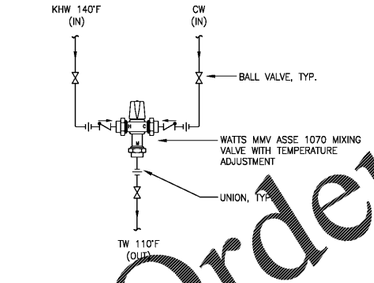



LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.

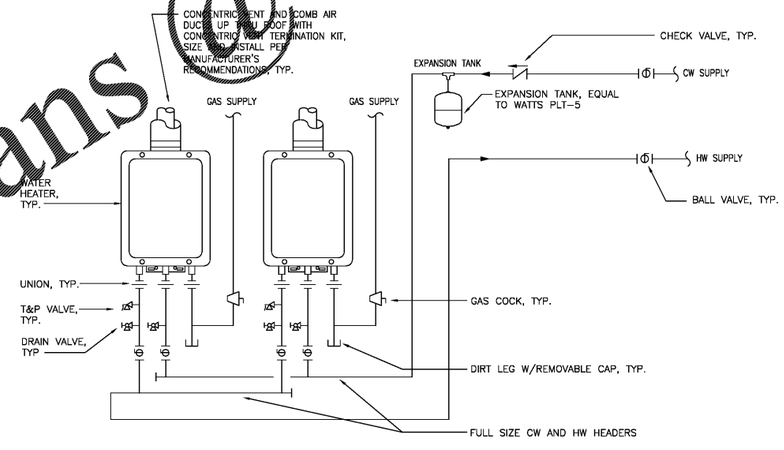
2 / P1.03 **FLOOR CLEANOUT**
SCALE: NONE



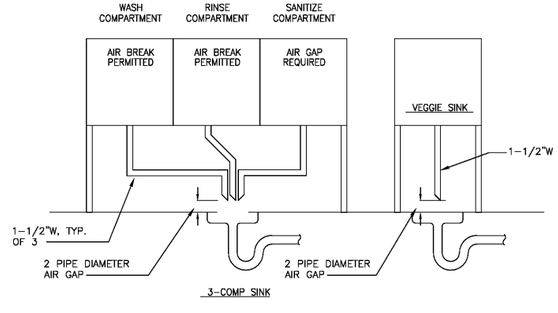

3 / P1.03 **GENERAL PIPING HANGERS**
SCALE: NONE




4 / P1.03 **THERMOSTATIC MIXING VALVE**
SCALE: NONE




5 / P1.03 **TANKLESS WATER HEATERS**
SCALE: NONE




6 / P1.03 **INDIRECT WASTE DETAILS**
SCALE: NONE

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CHECKED BY: KM
ISSUE DATE: 11/04/19

PLUMBING DETAILS

P1.03

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