GB-75 75 GPM Great Basin™ Indoor/Outdoor Grease Interceptor

Options

- 6” plain end inlet/outlet (straight-through) with dual pumpout port connections
- 6” MPT inlet/outlet (stainless steel, straight-through)
- C24H2 Composite covers, bolted 24” gas/water tight, traffic load rated for 16,000 lbs.

Accessories

- FCR2 >4” – 34” field cut riser
- FCR2 (x2) >34” – 64” field cut risers
- FCR2 (x3) >64” – 94” field cut risers
- CA2 Adapter for 24” corrugated pipe riser
- PP3 Pumpout port
- AK1 High water anchor kit
- ATD1 Cover adapter tie-down kit
- PLAIN-EA-24 2” plain end fitting
- PLAIN-EA-34 3” plain end fitting
- FPT-EA-34 4” x 3” FPT fitting
- FPT-EA-23 3” x 2” FPT fitting
- CC2 Integral membrane clamping collar kit

Approval

<table>
<thead>
<tr>
<th>Signature:</th>
<th>Date:</th>
<th>Company:</th>
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<td>Specifying Engineer:</td>
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<td>Engineering Firm:</td>
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This unit is certified to ASME A112.14.3 (Type D) and CSA B481.1. This unit does not require flow control.
SPECIAL PRECAUTIONS
For Schier Grease Interceptor Installations - Failure to follow this guidance voids your warranty

WARNING! DO NOT AIR TEST UNIT OR RISER SYSTEM!
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.

Installation Instructions
Installation instructions and additional components are included with the interceptor. Read all instructions prior to installation. This interceptor is intended to be installed by a licensed plumber in conformance with all local codes.

Install interceptor as close as possible to fixtures being served
Provide at least 16” clearance above unit for routine maintenance.

High Temperature Kitchen Water
If water is entering the interceptor at excessive temperature (over 150°F), a drain water tempering valve (DTV) and approved backflow prevention assembly must be installed. Most state and local plumbing codes prohibit water above 150°F being discharged into the sanitary sewer. Water above 150°F will weaken or deform PVC Schedule 40 pipe, poly drainage fixtures like interceptors and erode the coating of cast iron (leading to eventual failure).

Support Inlet and Outlet Piping
For above grade installations ensure heavy inlet and outlet piping (such as cast iron or long runs) is properly supported or suspended during the entire installation process to prevent connection failure or damage to bulkhead fittings.

Suspended Installations
Design trapeze to support the wet weight of the unit. Do not partially support unit or suspend unit using metal U-channel to create a trapeze.

DO NOT USE CAST IRON COVERS IN ABOVE GRADE OR INDOOR INSTALLATIONS
Use composite cover C24H2 for above grade installations.

MODEL NUMBER: GB-75
DESCRIPTION: 75 GPM Polyethylene Grease Interceptor
PART #: 4045-007-01  DWG BY: B. Karrer  DATE: 8/28/2020  REV:  ECO:
Below Grade Installation Slab Requirements
A concrete slab to finished grade with rebar is required when installing interceptor below grade.

Pedestrian Traffic or Greenspace Areas
4” min. slab

Vehicular Traffic Areas
8” min. slab

Secure Cover Adapters
Cover adapters must be secured to base units in above grade installations with increased head pressure conditions. Use cover adapter tie-down kit model ATDI.

High Water Table Installations
Interceptors and risers 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 risers 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 tidal 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. Model GB-75 uses model AK1 anchor kit.

Hydrostatic/Pressure Slabs
When installed under a hydrostatic slab (slab designed to withstand upward lift, usually caused by hydrostatic pressure) interceptor must be enclosed in a watertight concrete vault.

Corrugated Riser Pipe Requirements
Riser adapter model CA2 must be used when installing interceptors using 24” diameter corrugated pipe as a riser. This will adequately embed the cover adapter in the concrete slab, preventing cover/cover adaptation failure under traffic rated loads.

DO NOT COMPACT BACKFILL MECHANICALLY
Compact by hand only

SCHIER
MODEL NUMBER: GB-75
DESCRIPTION: 75 GPM Polyethylene Grease Interceptor

PART #: 4045-007-01  DWG BY: B. Karrer  DATE: 8/28/2020  REV:  ECO:
NOTES
1. 4” FPT with 4” plain end adapters, single inlet and triple outlet
2. Unit weight – w/cast iron cover: 190 lbs.; w/composite cover: 135 lbs. (For wet weight add 1,043 lbs.)
3. Maximum operating temperature: 150º F continuous
5. This unit does not require flow control.
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 are removable to inspect / clean piping.
11. Integral air relief / Anti-siphon / Sampling access.
12. Adjustable cover adapters provide up to 4” of additional height.
13. Fixed outlet models (-FO) have inlet and outlet permanently welded at the factory in the straight-through (B) positions.
14. Flow rates are based on 2-minute drain time.
15. Safety Star®, access restrictor built into cover adapter, prevents accidental entry to tanks (450 lb rating)

DIFFUSION FLOW TECHNOLOGY
The inlet diffuser reduces turbulence, creates laminar flow and allows the entire tank volume to be utilized for efficient grease separation and minimal disturbance to existing grease and sediment layers. The integral air relief / anti-siphon at the outlet diffuser top allows pressure stabilization within the unit during operation. The outlet diffuser 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 model # GB-75 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 D) and CSA B481.1, with adjustable cover adapter, Safety Star® access restrictor built into cover adapter, and three outlet options. Interceptor flow rate shall be 75 GPM. Interceptor grease capacity shall be 861 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 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 B481 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.

SPECIFICATIONS

TOP VIEW

INLET END VIEW

SECTION A-A

Rated Grease Capacities for Units Piped in Series

<table>
<thead>
<tr>
<th>No. of Units in Series</th>
<th>Removal Efficiency</th>
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<tbody>
<tr>
<td>75 GPM</td>
<td>95.8%</td>
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<tr>
<td>2</td>
<td>1,722 lbs.</td>
</tr>
<tr>
<td>3</td>
<td>2,583 lbs.</td>
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<tr>
<td>4</td>
<td>3,444 lbs.</td>
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