

SCHIER

ENGINEER SPECIFICATION GUIDE

For Grease Interceptors, Kitchen Solids Interceptors, and Sampling Ports

Schier Products provides the specification language below to assist in the specification of our grease interceptor and related products.

NOTES

Black: Insert directly into project specification Section 22 40 00 - Plumbing Fixtures or where appropriate.

Blue: Included in this document to assist you and is not to be included in the specification language.

Red: Optional accessories or equipment applicable to the product and available to specify at your discretion.

PART 1 - GENERAL

Insert the following paragraphs under "Submittals":

Review Submittals:

Product Data: Manufacturer's standard data sheets describing components including materials, dimensions, relationship to adjacent construction, and attachments.

PART 2 - PRODUCTS

Insert the following under "Manufacturers". Edit to indicate whether or not substitutions will be permitted for the products in this section.

Contract Documents are based on products by Schier Products Company, Shawnee, KS USA

Substitutions: [Under provisions of Division 01.] [Not permitted.]

Insert the following under "Components." Refer to the Schier website or List Price Schedule for 9-digit part numbers (ie: XXXX-XXX-XX), then select the following paragraphs accordingly. The latest part numbers and specifications are always on the Schier website. All red text represents optional items, include as necessary.

INDOOR GREASE INTERCEPTORS

Include the following for a low profile-hydronechanical grease interceptor for indoor, above or below grade applications.

Grease Interceptor:

Model: GB1

Schier Great Basin® grease interceptor model # GB1 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 5/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (Type C) and CSA B481.1, built-in flow control and three outlet options. Interceptor flow rate shall be 20 or 25 GPM. Interceptor grease capacity shall be 70 lbs. @ 20 GPM or 64.9 lbs. @ 25 GPM. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity. Interceptor shall be furnished with field cut riser model # FCR1 to enable access for below grade installation. Interceptor shall be furnished with pumpout port kit model #PP1 to enable remote pumpout.

Grease Interceptor:

Model: GB1-CT

Schier Great Basin® grease interceptor model # GB1-CT shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 5/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation. Interceptor shall be factory tested with built-in flow control and three outlet options. Interceptor flow rate shall be 15 GPM. Interceptor grease capacity shall be 70 lbs. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity. Interceptor shall be furnished with field cut riser model # FCR1 to enable access for below grade installation. Interceptor shall be furnished with pumpout port kit model #PP1 to enable remote pumpout.

Grease Interceptor:

Model: GB2

Schier Great Basin® grease interceptor model #GB2 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 5/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (Type C) and CSA B481.1, built-in flow control and three outlet options. Interceptor flow rate shall be 35 or 50 GPM. Interceptor grease capacity shall be 130.5 lbs. @ 35 GPM or 127.6 lbs. @ 50 GPM. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity. Interceptor shall be furnished with field cut riser model # FCR1 to enable access for below grade installation. Interceptor shall be furnished with pumpout port kit model #PP1 to enable remote pumpout.

Grease Interceptor:

Model: GB2-CT

Schier Great Basin® grease interceptor model #GB2-CT shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 5/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation. Interceptor shall be factory tested with built-in flow control and three outlet options. Interceptor flow rate shall be 25 GPM. Interceptor grease capacity shall be 125.99lbs. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity. **Interceptor shall be furnished with field cut riser model # FCR1 to enable access for below grade installation. Interceptor shall be furnished with pumpout port kit model #PP1 to enable remote pumpout.**

Grease Interceptor:

Model: GB2-2

Schier Great Basin® grease interceptor model #GB2-2 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 5/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (Type C) and CSA B481.1, built-in flow control and three outlet options. Interceptor flow rate shall be 35 GPM. Interceptor grease capacity shall be 180 lbs. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity. **Interceptor shall be furnished with field cut riser model # FCR1 to enable access for below grade installation. Interceptor shall be furnished with pumpout port kit model #PP1 to enable remote pumpout.**

Grease Interceptor:

Model: GB3

Schier Great Basin® grease interceptor model #GB3 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 5/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (Type C) and CSA B481.1, built-in flow control and three outlet options. Interceptor flow rate shall be 50 or 75 GPM. Interceptor grease capacity shall be 272.7 lbs. @ 50 GPM or 175.6 lbs. @ 75 GPM. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity. **Interceptor shall be furnished with field cut riser model # FCR1 to enable access for below grade installation. Interceptor shall be furnished with pumpout port kit model #PP1 to enable remote pumpout.**

Grease Interceptor:

Model: GB3-CT

Schier Great Basin® grease interceptor model #GB3-CT shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 5/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation. Interceptor shall be factory tested with built-in flow control and three outlet options. Interceptor flow rate shall be 50 GPM. Interceptor grease capacity shall be 272.7 lbs. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity. **Interceptor shall be furnished with field cut riser model # FCR1 to enable access for below grade installation. Interceptor shall be furnished with pumpout port kit model #PP1 to enable remote pumpout.**

INDOOR/OUTDOOR GREASE INTERCEPTORS

Include the following for a hydromechanical grease interceptor for all applications – indoor or outdoor, above or below grade.

Grease Interceptor:

Model: GB-50

Schier Great Basin® grease interceptor model # GB-50 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into the cover adapter, temporary jobsite cover and three outlet options. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1. Flow control not required. Interceptor flow rate shall be 50 GPM or 75 GPM. Interceptor grease capacity shall be 439.5 lbs. @ 50 GPM or 287.23 lbs. @ 75 GPM. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade. Interceptor shall be furnished with pumpout port kit model #PP3 to enable remote pumpout.**

Grease Interceptor:

Model: GB-75

Schier Great Basin® grease interceptor model # GB-75 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into the cover adapter, temporary jobsite cover and three outlet options. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1. Flow control not required. Interceptor flow rate shall be 75 GPM. Interceptor grease capacity shall be 861 lbs. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade. Interceptor shall be furnished with pumpout port kit model #PP3 to enable remote pumpout.**

Grease Interceptor:

Model: GB-75-B

Schier Great Basin® grease interceptor model # GB-75-B shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into the cover adapter, temporary jobsite cover and three outlet options. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1. Flow control not required. Interceptor flow rate shall be 50 GPM. Interceptor grease capacity shall be 730 lbs. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity.

Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.

Interceptor shall be furnished with pumpout port kit model #PP3 to enable remote pumpout.

Grease Interceptor:

Model: GB-250

Schier Great Basin® grease interceptor model # GB-250 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter, temporary jobsite cover, built in flow control (for 200 GPM only) and three outlet options. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1. Interceptor flow rate shall be 100 or 200 GPM, or up to 250 GPM in high-flow applications. Interceptor grease capacity shall be 1,895 lbs. @ 100 GPM or 1,196 lbs. @ 200 GPM, or 500 lbs. @ 250 GPM (factory rated). Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade. Interceptor shall be furnished with pumpout port kit model #PP3 to enable remote pumpout.

Grease Interceptor:

Model: GB-250-B

Schier Great Basin® grease interceptor model # GB-250-B shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter, temporary jobsite cover and three outlet options. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1. Flow control not required. Interceptor flow rate shall be 75 GPM. Interceptor grease capacity shall be 1,871 lbs. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity.

Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.

Interceptor shall be furnished with pumpout port kit model #PP3 to enable remote pumpout.

Grease Interceptor:

Model: GB-500

Schier Great Basin® grease interceptor model # GB-500 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 7/16" uniform wall thickness. Flow control cartridge shall be PVC. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter and three outlet options and temporary jobsite cover. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type C) and CSA B481.1. Interceptor flow rate shall be 100 GPM, or up to 500 GPM in high-flow applications.

Interceptor grease capacity shall be 3,048 lbs. @ 100 GPM, or 1,000 lbs. @ 500 GPM (factory rated). Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity.

Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade. Interceptor shall be furnished with pumpout port kit model #PP3 to enable remote pumpout.

Grease Interceptor:

Model: GB-500-B

Schier Great Basin® grease interceptor model # GB-500-B shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 7/16" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter, temporary jobsite cover, three inlet options and three outlet options. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1 and IAPMO/ANSI Z1001-2021. Flow control not required. Interceptor flow rate shall be 100 GPM. Interceptor grease capacity shall be 2,817 lbs. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade. Interceptor shall be furnished with pumpout port kit model #PP3 to enable remote pumpout.

Grease Interceptor:

Model: GB-1000

Schier Great Basin® grease interceptor model # GB-1000 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 7/16" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with

adjustable cover adapter and Safety Star® access restrictor built into each cover adapter and temporary jobsite cover. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1 and IAPMO/ANSI Z1001-2021. Flow control not required. Interceptor flow rate shall be 100 GPM or 200 GPM, or up to 1,000 GPM in high-flow applications. Interceptor grease capacity shall be 5,495 lbs. @ 100 GPM or 4,959 lbs. @ 200 GPM, or 2,000 lbs. @ 1,000 GPM (factory rated). Interceptor grease capacity at 99% efficiency shall be 5,272 lbs. @ 100 GPM or 3,127 lbs. @ 200 GPM. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.**

Grease Interceptor:

Model: GB-1500

Schier Great Basin® grease interceptor model # GB-1500 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 7/16" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter and Safety Star® access restrictor built into each cover adapter and temporary jobsite cover. Interceptor shall be certified for hydromechanical performance to ASME A112.14.3 (Type D) and CSA B481.1 and IAPMO/ANSI Z1001-2021. Flow control not required. Interceptor flow rate shall be 100 GPM or 200 GPM, or up to 1,500 GPM in high-flow applications. Interceptor grease capacity shall be 10,061 lbs. @ 100 GPM or 9,446 lbs. @ 200 GPM, or 3,000 lbs. @ 1,500 GPM (factory rated). Interceptor grease capacity at 99% efficiency shall be 9,897 lbs. @ 100 GPM or 8,093 lbs. @ 200 GPM. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.**

KITCHEN SOLIDS INTERCEPTORS

Include the following for a kitchen solids interceptor for all applications – indoor or outdoor, above or below grade.

Solids Interceptor:

Model: SI1

Schier Billy Goat® solids interceptor model # SI1 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene. Interceptor shall be furnished for above or below grade installation with three outlet options and temporary jobsite cover. Interceptor solids capacity shall be 6 lbs. Interceptor maximum flow rate shall be 50 GPM. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity. **Interceptor shall be furnished with field cut riser model # FCR1 to enable access for below grade installation.**

Solids Interceptor:

Model: SI-50

Schier Billy Goat® solids interceptor model # SI-50 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into the cover adapter, temporary jobsite cover and three outlet options. Interceptor solids capacity shall be 53 gallons. Interceptor maximum flow rate shall be 125 GPM. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.**

Solids Interceptor:

Model: SI-75

Schier Billy Goat® solids interceptor model # SI-75 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter, temporary jobsite cover and three outlet options. Interceptor solids capacity shall be 109 gallons. Interceptor maximum flow rate shall be 125 GPM with 4" and 375 GPM with 6". Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.**

Solids Interceptor:

Model: SI-250

Schier Billy Goat® solids interceptor model # SI-250 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapters, Safety Star® access restrictor built into each cover adapter, temporary jobsite cover and three outlet options. Interceptor solids capacity shall be 262 gallons. Interceptor maximum flow rate shall be 125 GPM with 4" and 375 GPM with 6". Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.**

Solids Interceptor:

Model: SI-500

Schier Billy Goat® solids interceptor model # SI-500 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below grade installation with adjustable cover adapters and Safety Star® access restrictor built into each cover adapter, temporary jobsite cover and three outlet options. Interceptor solids capacity shall be 457 gallons. Interceptor maximum flow rate shall be 125 GPM with 4" and 375 GPM with 6". Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.**

WASTEWATER INSPECTION PORTS

Include the following anywhere visual or sampling access is required to monitor effluent water quality before entering the public sewer.

Sampling Port:

Model: SV10

Schier Sewer Viewer® inspection port model # SV10 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene. Inspection port shall be furnished for above or below grade installation. Cover shall provide water/ gas-tight seal and have maximum 16,000 lbs. load capacity. **Inspection port shall be furnished with field cut riser model # FCR10 to enable access for below grade installation.**

Sampling Port:

Model: SV24

Schier Sewer Viewer® inspection port model # SV24 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 1/4" uniform wall thickness. Inspection port shall be furnished for above or below grade installation with adjustable cover adapter and Safety Star® access restrictor built into cover adapter and temporary jobsite cover. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.**

Sampling Port:

Model: SV24-O

Schier Sewer Viewer® inspection port model # SV24-O shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 1/4" uniform wall thickness. Inspection port shall be furnished for above or below grade installation with adjustable cover adapter and Safety Star® access restrictor built into cover adapter and temporary jobsite cover. Covers are chosen by the contractor. Injection-molded pedestrian cover shall provide water/ gas-tight seal and have minimum 2,000 lbs. load capacity and center bolt. Cast iron, traffic cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity. **Interceptor shall be furnished with Fast Pitch® riser model # FP24 as needed to extend cover and adapter to finish grade.**

PART 3 - EXECUTION

Include the following under "Installation":

- A. Install components in accordance with manufacturer's instructions and approved product data submittals.