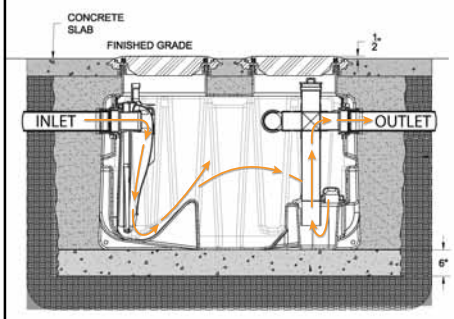
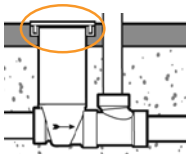
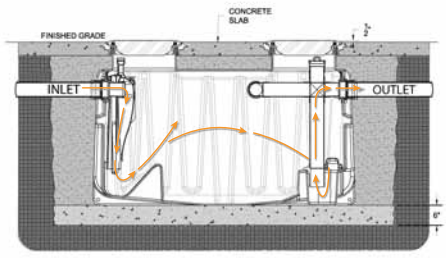
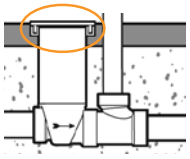
In-Floor	Extension Riser	Flow Control Extension	Standards Conformance	Listings	Thermal Capability	Remarks
 • Check local codes for acceptance of in-floor installation • Finish to floor level accommodating requisite materials, E.G. Tile, mortar, etc.	 **- 35" 40100AX35** **- 18" 40100AX18** - 35" or 18" Cut-to-length Riser Pairs - Max Extension 72" - Full accessories & instructions supplied - Robust, Airtight, Watertight - 100% recompounded riser - Integral guidelines for cutting	 **Sleeve kit for 4" model only, allows access to in-floor flow control device** Custom length of 6" Dia. SDR 35 or SDR 28 sewer pipe to be used for access sleeve (Supplied by others) **- 4" 392204W**	G-101 C US NSF ES 15741 ASME A112.14.3 & CSA B481.1	Commonwealth of Massachusetts Fox Metro Water Reclamation District	Prolonged intermittent discharge at 71°C (160°F)	**3-Part Master Format Specifications, CAD drawimgs & BIM drawings** available at ARCAT.com **Installation Guide** contact tech-support@ enduraninterceptor.com **OPTIONAL REMOTE PUMP** see page 14
 • Check local codes for acceptance of in-floor installation • Finish to floor level accommodating requisite materials, E.G. Tile, mortar, etc.	 **- 35" 40100AX35** **- 18" 40100AX18** - 35" or 18" Cut-to-length Riser Pairs - Max Extension 72" - Full accessories & instructions supplied - Robust, Airtight, Watertight - 100% recompounded riser - Integral guidelines for cutting	 **Sleeve kit for 4" model only, allows access to in-floor flow control device** Custom length of 6" Dia. SDR 35 or SDR 28 sewer pipe to be used for access sleeve (Supplied by others) **- 4" 392204W**	G-101 C US NSF ES 15741 ASME A112.14.3 & CSA B481.1	Commonwealth of Massachusetts Fox Metro Water Reclamation District	Prolonged intermittent discharge at 71°C (160°F)	**3-Part Master Format Specifications, CAD drawimgs & BIM drawings** available at ARCAT.com **Installation Guide** contact tech-support@ enduraninterceptor.com **OPTIONAL REMOTE PUMP** see page 14

Endura® XL 100GPM Models

TRAFFIC RATED

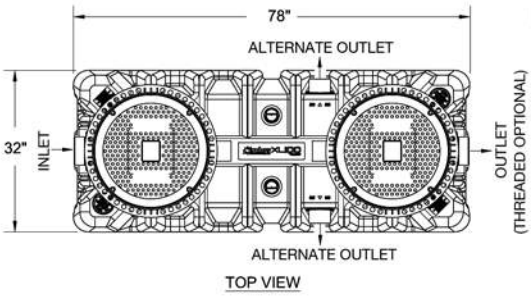
40100A04
100GPM (6.3 LPS)
4" (110 mm) no hub connection

40100A04T
100GPM (6.3 LPS)
4" (110 mm) female threaded connection (FPT)

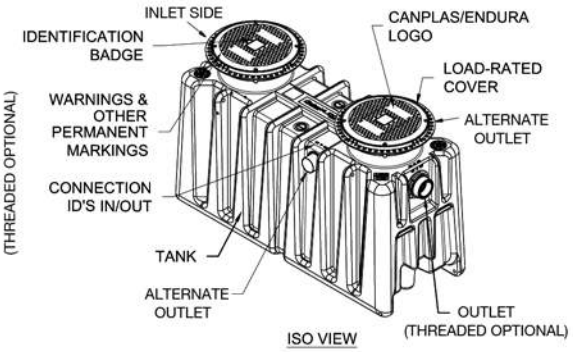
PEDESTRIAN / LIGHT TRAFFIC

40100A04M
100GPM (6.3 LPS)
4" (110 mm) no hub connection

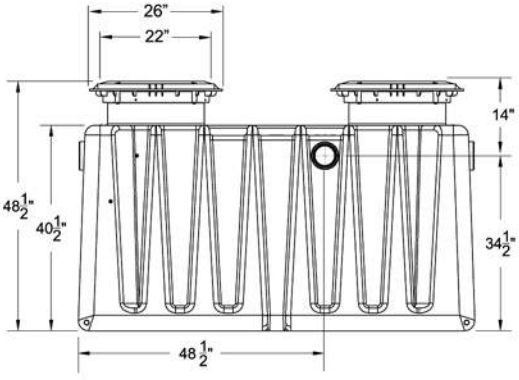
40100A04MT
100GPM (6.3 LPS)
4" (110 mm) female threaded connection (FPT)



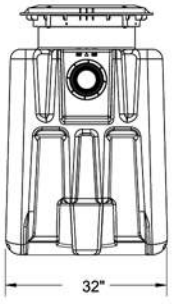
TOP VIEW



ISO VIEW



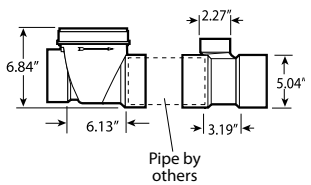
FRONT VIEW



SIDE VIEW

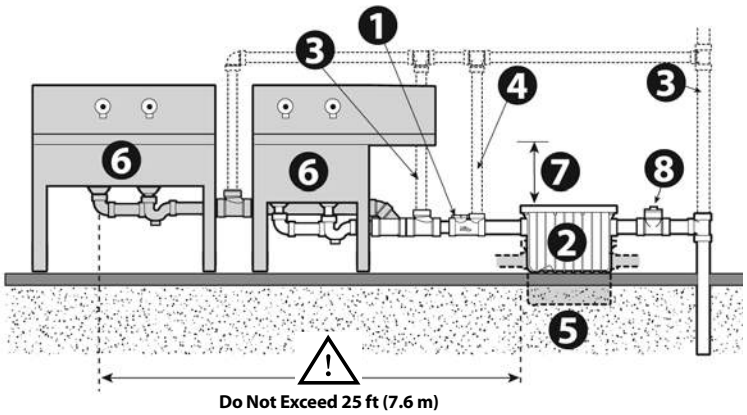
Notes: ACCESSIBLE FLOW CONTROL DEVICE (FCD) IS SUPPLIED FOR INSTALLATION UPSTREAM OF THE GREASE INTERCEPTOR (GI) -4" INLET/OUTLET MODELS

4" External FCD



Typical Installation

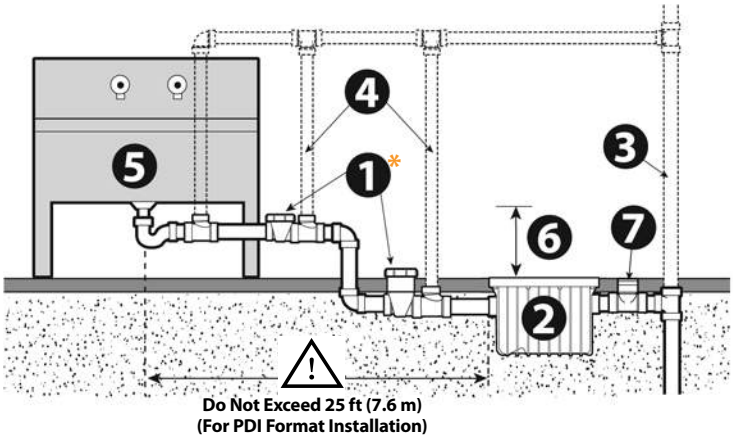
• On Floor



CAUTION: CLEARANCE REQUIRED
15" clearance (21" for 50GPM model) to remove the baffles for cleaning and maintenance.

1. • Flow Control Device
2. • Grease Interceptor
3. • Vented Waste
4. • Air Intake
5. • Semi Recessed Option
6. • Sink
7. • ⚠ Minimum Clearance 15" / 21"
8. • Cleanout required in most jurisdictions

• In Floor

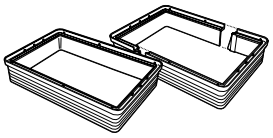


1. • Flow Control Device
   * Above grade installation preferred
2. • Grease Interceptor
3. • Vented Waste
4. • Air Intake
5. • Sink
6. ⚠ Minimum Clearance 15" / 21"
7. • Cleanout required in most jurisdictions

When backfilling in-floor, the interceptor must have both the cover fitted and be filled with water to the inlet/outlet level. This will ensure the tank itself will not move during backfilling, pouring and/or floor finishing. When backfilling in particular, care should be taken to do so evenly around the unit and with light manual pressure only.

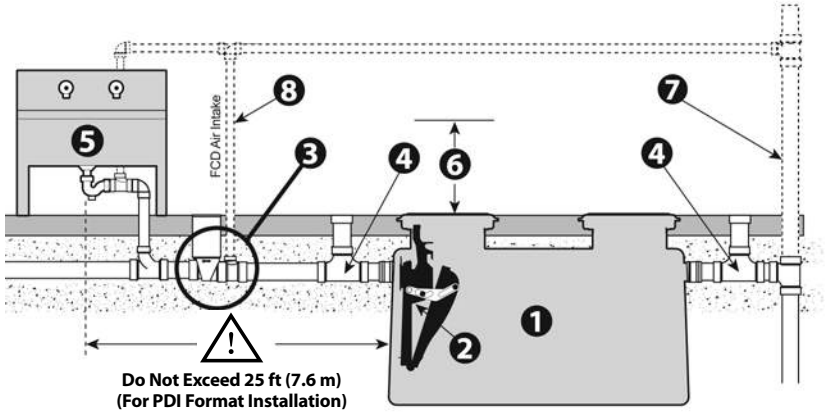
Ensure that the interceptor is clearly identified to flooring contractors to prevent it from being covered with flooring material. Taping cardboard to the cover is generally effective.

CAUTION: CLEARANCE REQUIRED
15" clearance (21" for 50GPM model) above the grease interceptor is required to remove the baffles for cleaning and maintenance.



6" Modular risers available where deeper installation is necessary to accommodate existing drainage.
- Stackable up to 3 sets (18" Total)
- 3920AX6 (20gpm)
- 3925AX6 (25gpm)
- 3935AX6 (35/50gpm)

• In Floor - Extended Capacity



When backfilling in-floor, the interceptor must have both the cover fitted and be filled with water to the inlet/outlet level. This will ensure the tank itself will not move during backfilling, pouring and/or floor finishing. When backfilling in particular, care should be taken to do so evenly around the unit and with light manual pressure only.

Ensure that the interceptor is clearly identified to flooring contractors to prevent it from being covered with flooring material. Taping cardboard to the covers is generally effective.

CAUTION: CLEARANCE REQUIRED
Locate the interceptor so as to allow for accessibility when conducting maintenance and regular cleaning. Set the interceptor on a firm, level surface ensuring tank is equally supported.

1. • XL Grease Interceptor
2. • Internal Flow Control and Baffle
3. • External Flow Control (Optional) required for PDI installations
4. • Cleanout (recommended)
5. • Sink
6. ⚠ **CAUTION: CLEARANCE REQUIRED**
7. • Vented Waste
8. • Air Intake

Risers available where deeper installation is necessary to accommodate existing drainage.
- 35" or 18" Cut-to-length Riser Pair - Max Extension 72"
- Full accessories & instructions supplied
- Robust, Airtight, Watertight
- 100% recompounded riser, Integral guidelines for cutting
- **PN: 35" - 40100AX35 / 18" - 40100AX18**

risers per installation (18" maximum height adjustment) Provide with 1 inch markers/ribs on riser to aid height adjustment. All installation components to be supplied by the manufacturer.
1) Model 3935AX6 (Riser extension)
a) 1"-6" per riser

E. Product: Endura® Grease Interceptor 50 GPM as manufactured by Canplas Industries Ltd.

1. The unit shall be comprised of engineered thermoplastics to withstand operational temperatures up to 220 degree F (104 degree C) comprising a pedestrian rated cover capable of supporting 440 lb (200 kg)and incorporating an operationally air tight seal. The cover shall also utilize a quick access latching system to functionally secure and retain the cover to the tank, but allow consistent removal and replacement of the cover without operational compromise. Functional elements such as baffles will be made of material that prevents corrosion or deterioration and shall be easily removable for the purposes of maintenance, providing unrestricted upstream and downstream drain access. The grease interceptor shall be certified to the current version of the PDI-G101, ASME A112.14.3 or CSA B481.1 and where locally applicable have UPC listing.
a. A flow control device with integrated air intake and tool-less access to the orifice in service shall be provided with the interceptor.

2. Model 3950A03 - Endura® 50GPM/100LB (No-Hub connection – Mechanical Joint coupling) Model 3950A03T - Endura® 50GPM/100LB (Threaded Connection) Model 3950A03S - Endura® 50GPM/100LB (Spigot Connection)
a. Flow Rate: 50 US Gallons per Minute (3.15 L per second).
b. Minimum Grease Capacity: 100 lb (45.5 kg).
c. Grease Capacity Actual: 122.07 lb (55.3 kg).
d. Average Efficiency % (ASME 112.14.3): 93.9%.
e. Unit Weight (Empty): 60 lb (27.2 kg).
f. Liquid Capacity: 52 gal (197 L).
g. Connection size: 3 inches (76 mm)
h. Optional solids basket accessory Model 3911A-1.
i. Modular Riser Extensions: For use with in-floor installations; sized during installation to project requirements. Use up to three (3) full risers per installation (18" maximum height adjustment) Provide with 1 inch markers/ribs on riser to aid height adjustment. All installation components to be supplied by the manufacturer.
1) Model 3935AX6 (Riser extension)
a) 1"-6" per riser

3. Model 3950A04 - Endura® 50GPM/100LB (No-Hub connection – Mechanical Joint coupling) Model 3950A04T - Endura® 50GPM/100LB (Threaded Connection) Model 3950A04S - Endura® 50GPM/100LB (Spigot Connection)
a. Flow Rate: 50 US Gallons per Minute (3.15 L per second).
b. Minimum Grease Capacity: 100 lb (45.5 kg).
c. Grease Capacity Actual: 122.07 lb (55.3 kg).
d. Average Efficiency % (ASME 112.14.3): 93.9%.
e. Unit Weight (Empty): 60 lb (27.2 kg).
f. Liquid Capacity: 52 gal (197 L).
g. Connection size: 4 inches (102 mm).
h. Optional solids basket accessory Model 3911A-1.
i. Modular Riser Extensions: For use with in-floor installations; sized during installation to project requirements. Use up to three (3) full risers per installation (18" maximum height adjustment) Provide with 1 inch markers/ribs on riser to aid height adjustment. All installation components to be supplied by the manufacturer.
1) Model 3935AX6 (Riser extension)
a) 1"-6" per riser

F. Product: Endura®XL Grease Interceptor 75 GPM Grease Interceptor as manufactured by Canplas Industries Ltd.

1. The unit shall be comprised of engineered thermoplastics to withstand withstanding prolonged intermittent influent discharge temperatures of 160 degree F (71 degree C) comprising of two load rated covers capable of exceeding loads of 20,000 lb (9072 kg) and incorporating an operationally air tight seal. The covers shall also utilize four (4) mechanical fasteners to functionally secure and retain the covers to the tank, but allow consistent removal and replacement of the cover without operational compromise. Functional elements such as baffles will be made of material that prevents corrosion or deterioration and shall be easily removable for the purposes of maintenance, providing unrestricted upstream and downstream drain access. The grease interceptor shall be certified to the current version of the PDI-G101, ASME A112.14.3 or CSA B481.1 and where locally applicable have UPC listing.
a. An integrated flow control device (Internal) with access to the orifice in service shall be provided with the interceptor.
b. An alternate flow control device (External) shall be supplied where required by authority having jurisdiction. External flow control device shall be accessible in operation; and when installed, the internal flow control orifice supplied as standard shall be removed.

2. Model 4075A04 - Endura®XL 75GPM/150LB (No-Hub connection – Mechanical Joint coupling) Model 4075A04T - Endura®XL 75GPM/150LB (Threaded connection)
a. Flow Control (Internal)
b. Flow Control (External):
1) Model 4044275A (Hub connection)
2) Model 4044275AT (Threaded connection)
c. Flow Rate: 75 US Gallons per Minute (4.7 L per second)
d. Minimum Grease Capacity: 150 lb (68 kg)
e. Grease Capacity Actual: 559 lb (254 kg)
f. Average Efficiency % (ASME 112.14.3 / NSF ES 15741): >98%
g. Unit Weight (Empty): 233 lb (106 kg)
h. Liquid Capacity: 158 gallons (598 L)
i. Connection size: 4 inches (102mm)
j. Traffic Rated Cover: Designed to comply with AASHTO 304 minimum design load - 16,000 lb (7257 kg).
k. Cover Load Capability: Tested and third party approved based on CSA Class 'S' (Special duty) requirements. Proof load minimum 20,000 lb (9072 kg). To validate performance in external applications testing shall include evaluation for elevated and sub-zero temperatures.
l. Extension Risers: For use below grade; sized to project requirements. Provide with 1 inch markers/ribs on riser and flanged bottom to interlock to frame. All installation components to be supplied by the manufacturer (outlet extension adaptors, seals and mechanical fasteners). Pipe for handle extension by others.
1) Model 40100AX35 (Riser extension pair – long format)
a) 4"-35" per riser
2) Model 40100AX18 (Riser extension pair – short format)
a) 4" – 18" per riser

3. Model 4075A04M - Endura®XL 75GPM/150LB (No-Hub connection – Mechanical Joint coupling) Model 4075A04MT - Endura®XL 75GPM/150LB (Threaded connection)
a. Flow Control (Internal)
b. Flow Control (External):
1) Model 4044275A (Hub connection)
2) Model 4044275AT (Threaded connection)
c. Flow Rate: 75 US Gallons per Minute (4.7 L per second)
d. Minimum Grease Capacity: 150 lb (68 kg)
e. Grease Capacity Actual: 559 lb (254 kg)
f. Average Efficiency % (ASME 112.14.3 / NSF ES 15741): >98%
g. Unit Weight (Empty): 233 lb (106 kg)
h. Liquid Capacity: 158 gallons (598 L)
i. Connection size: 4 inches (102mm)
j. Cover Load Capability: Tested and third party approved based on CSA Class 'M' (Medium duty) requirements. Proof load minimum 4000 lb (1814 kg). To validate performance in external applications testing shall include evaluation for elevated and sub-zero temperatures.
l. Extension Risers: For use below grade; sized to project requirements. Provide with 1 inch markers/ribs on riser and flanged bottom to interlock to frame. All installation components to be supplied by the manufacturer (outlet extension adaptors, seals and mechanical fasteners). Pipe for handle extension by others.
1) Model 40100AX35 (Riser extension pair – long format)
a) 4"-35" per riser
2) Model 40100AX18 (Riser extension pair – short format)
a) 4" – 18" per riser

G. Product: Endura®XL Grease Interceptor 100 GPM Grease Interceptor as manufactured by Canplas Industries Ltd.

1. The unit shall be comprised of engineered thermoplastics to withstand prolonged intermittent influent discharge temperatures up to 160 degree F (71 degree C) comprising of two load rated covers capable of exceeding loads of 20,000 lb (9072 kg) and incorporating an operationally air tight seal. The covers shall also utilize four (4) mechanical fasteners to functionally secure and retain the covers to the tank, but allow consistent removal and replacement of the cover without operational compromise. Functional elements such as baffles will be made of material that prevents corrosion or deterioration and shall be easily removable for the purposes of maintenance, providing unrestricted upstream and downstream drain access. The grease interceptor shall be certified to the current version of the PDI-G101, ASME A112.14.3 or CSA B481.1 and where locally applicable have UPC listing.

a. An integrated flow control device (Internal) with access to the orifice in service shall be provided with the interceptor.
b. An alternate flow control device (External) shall be supplied where required by authority having jurisdiction. External flow control device shall be accessible in operation; and when installed, the internal flow control orifice supplied as standard shall be removed.

2. Model 40100A04 - Endura®XL 100GPM/200LB (No-hub connection - Mechanical Joint coupling) Model 40100A04T - Endura®XL 100GPM/200LB (Threaded connection)

a. Flow Control (Internal)
b. Flow Control (External):
   1) Model 40442100A (Hub Connection)
   2) Model 40442100AT (Threaded connection)
c. Flow Rate: 100 US Gallons per Minute (6.3 L per second)
d. Minimum Grease Capacity: 200 lb (90.8 kg)
e. Grease Capacity Actual: 1058 lb (479.9 kg)
f. Average Efficiency % (ASME 112.14.3 / NSF ES 15741): >98%
g. Unit Weight (Empty): 283 lb (128.3 kg)
h. Liquid Capacity: 257 gallons (972 L)
i. Connection size: 4 inches (102mm)
j. Traffic Rated Cover: Designed to comply with AASHTO 304 minimum design load - 16,000 lb (7257 kg).
k. Cover Load Capability: Tested and third party approved based on CSA Class 'S' (Special duty) requirements. Proof load minimum 20,000 lb (9072 kg). To validate performance in external applications testing shall include evaluation for elevated and sub-zero temperatures.
l. Extension Risers: For use below grade; sized to project requirements. Provide with 1 inch markers/ribs on riser and flanged bottom to interlock to frame. All installation components to be supplied by the manufacturer (outlet extension adaptors, seals and mechanical fasteners). Pipe for handle extension by others.
   1) Model 40100AX35 (Riser extension pair – long format)
      a) 4"-35" per riser
   2) Model 40100AX18 (Riser extension pair – short format)
      a) 4" – 18" per riser

3. Model 40100A04M - Endura®XL 100GPM/200LB (No-hub connection - Mechanical Joint coupling) Model 40100A04MT - Endura®XL 100GPM/200LB (Threaded connection)

a. Flow Control (Internal)
b. Flow Control (External):
   1) Model 40442100A (Hub Connection)
   2) Model 40442100AT (Threaded connection)
c. Flow Rate: 100 US Gallons per Minute (6.3 L per second)
d. Minimum Grease Capacity: 200 lb (90.8 kg)
e. Grease Capacity Actual: 1058 lb (479.9 kg)
f. Average Efficiency % (ASME 112.14.3 / NSF ES 15741): >98%
g. Unit Weight (Empty): 283 lb (128.3 kg)
h. Liquid Capacity: 257 gallons (972 L)
i. Connection size: 4 inches (102mm)
j. Cover Load Capability: Tested and third party approved based on CSA Class 'M' (Medium duty) requirements. Proof load minimum 4000 lb (1814 kg). To validate performance in external applications testing shall include evaluation for elevated and sub-zero temperatures.
l. Extension Risers: For use below grade; sized to project requirements. Provide with 1 inch markers/ribs on riser and flanged bottom to interlock to frame. All installation components to be supplied by the manufacturer (outlet extension adaptors, seals and mechanical fasteners). Pipe for handle extension by others.
   1) Model 40100AX35 (Riser extension pair – long format)
      a) 4"-35" per riser
   2) Model 40100AX18 (Riser extension pair – short format)
      a) 4" – 18" per riser

2.4 SOLIDS INTERCEPTOR

H. Product: Endura® Solids Interceptor as manufactured by Canplas Industries Ltd.

1. Parts in direct contact with flow shall be constructed of engineered thermoplastic capable of withstanding operational temperatures up to 220 degree F (104 degree C). Baffles shall be perforated with slots as opposed circular perforations for enhanced straining of elongated debris e.g. mop strings, spaghetti etc. The solids interceptor basket component shall be removable for cleaning and in operation have a minimum flow rate greater than 50 GPM (3.2 liter per second) when loaded to 50% of its solids-holding capacity. Any baffles/straining method used shall also be removable for maintenance and operation shall use a dual means of filtration on solid material within the flow. When installed in a stand-alone configuration the tank will meet the same specification as above and have both a lid which is airtight and capable of supporting 440 lb (200 kg).
2. Model 3911A02: Solids Interceptor. Complete with Solids Basket Accessory (SBA):
   a. Flow Rate: <50 GPM.
   b. Average Efficiency % (Internal Testing Only): 98%.
   c. Unit Weight (Empty): 19.4 lb (8.18 kg)
   d. Liquid Capacity: 12.96 gal (49.06 L).
   e. Connection size: 2 inches (51 mm) - (No-hub connection - Mechanical Joint coupling)

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.
B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A Clean surfaces thoroughly prior to installation.
B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.
B. Do not pressurize any interceptor as there is a serious risk of injury and death. The interceptor as an appurtenance shall be isolated for the purposes of leak testing the upstream and downstream drainage system when commissioning and verifying the system operation.
C. Interceptor tank will be installed to the associated drainage system using mechanical joint couplings approved by the Authority Having Jurisdiction (AHJ). Supplied by others.
D. When installing in-floor tanks will be filled to static water level with water to prevent movement and resist pressure of backfilling process.
E. Cover will be secured in place during backfilling process to maintain structural rigidity and form and to prevent ingress of foreign bodies into both the interceptor and drainage system.

3.4 FIELD QUALITY CONTROL

A. Provide inspection certificates of Authority Having Jurisdiction (AHJ).

3.5 PROTECTION

A. Protect installed products until completion of project.
B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION