

# Canplas – Molding a Better Future

canplas



Canplas is one of North America's leading producers of plastic products for the building and construction Industries and part of the Aliaxis Group of Companies. Specializing in injection moulded products, Canplas has five decades of expertise and experience in the manufacturing and distribution of plastic plumbing products, processing multiple materials and producing millions of fittings and products on an annual basis.

Endura grease interceptors have demonstrated effective, efficient and consistent performance with over a decade of field installation and operation. Endura is a multi-patented product built to withstand the toughest environments and provides the flexibility of in-floor, on-floor and semi-recessed application. Canplas has been instrumental in changing the traditional practices regarding the installation of grease management solutions, plastic alternatives to metal interceptors being now substantially accepted Nationwide as the new standard for grease management in commercial foodservice applications.

## Endura - Overview

### Grease Interceptor Series



#### Endura 7GPM - 10GPM - 15GPM Models

3907A02 - 7GPM (0.44 LPS) 2" (51mm) connection  
3910A02 - 10GPM (0.63 LPS) 2" (51mm) connection  
3915A02C - 15GPM (0.94 LPS) 2" (51mm) connection

Compact models use a development of the patented Canplas baffle system to enhance separation performance at low flow rates. EZ-Clean tank design – Aids exterior cleaning.



#### Endura Lo-PRO Grease Interceptor 25GPM Model

3925A02LO 25GPM (1.6 LPS) 2" (51mm) connection

Endura® Lo-PRO for tight on-floor applications where space is at a premium. Same dimensional footprint as 35gpm and 50gpm Endura® models. Overall height 11 inches, still meeting requirements of ASME112.14.3. Internal components can be removed in less than 6" of additional clearance.



#### Endura 20GPM - 25GPM Models

3920A02 20GPM (1.26 LPS) 2" (51mm) connection  
3925A02 25 GPM (1.6 LPS) 2" (51mm) connection  
3925A03 25 GPM (1.6 LPS) 3" (76mm) connection

Our original tank, 20-25gpm units are perhaps the most commonly installed product. Both 2" and 3" connections suit on-floor and in-floor application respectively.



#### Endura 35GPM Models

3935A03 35GPM (2.2 LPS) 3" (76mm) connection  
3935A04 35GPM (2.2 LPS) 4" (110 mm) connection

Structured foam molding technology provides rigidity and durability while reducing unit weight. Diffuser baffle aids separation at increased flow rates.



#### Endura 50GPM Models

3950A03 50 GPM (3.2 LPS) 3" (76 mm) connection  
3950A04 50 GPM (3.2 LPS) 4" (110 mm) connection

A tall version of our 35gpm model the 50gpm interceptor uses common parts incorporating all the best features of the Endura product design in a comparatively light weight solution to that of its metal competitors.

### Canplas Earth friendly solutions for Grease Management

Canplas is committed to the continuous improvement of our environmental performance and to meeting or exceeding the requirements of all applicable environmental laws and regulations.



**Recycling** our manufacturing process waste and office waste



**Economizing** in our use of water and energy to maximize **Energy Efficiency**



**Responsible Manufacturing** processes that helps protect the environment



**Continual Product Design** refinement to maximize efficiency while minimizing waste

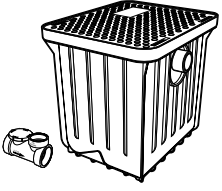


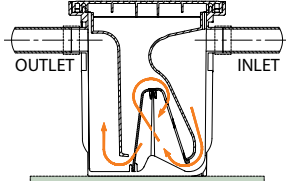
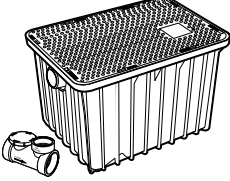


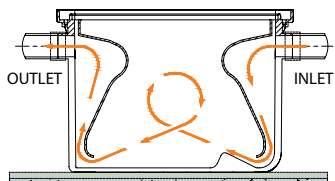
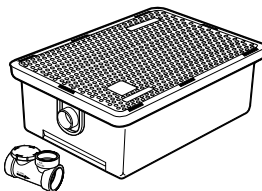


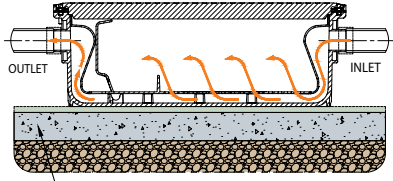
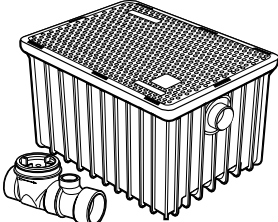


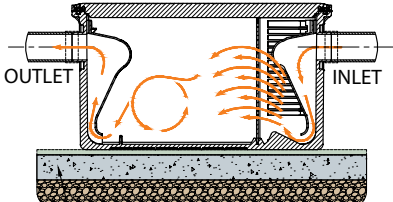
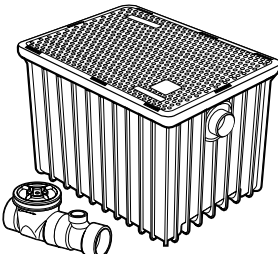


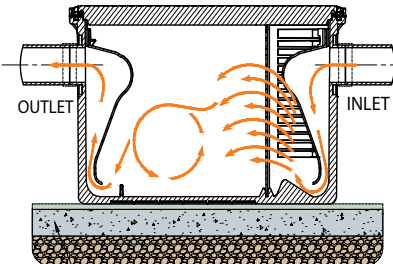
### Durability

- Fewer installations and replacements result in lower lifetime costs & less landfill waste.
- Injection molded in engineered thermoplastics, Endura Grease Interceptors will not corrode, chip, or peel, even under the most severe Applications.
- Durability provides consistent operation – no compromise of effectiveness due to deterioration of key parts

### Green by Design



- Light-weight grease interceptor units enable smaller carbon footprint and low-emissions transport
- Injection molded thermoplastic requires less energy to produce than metal grease interceptors
- Endura interceptors are manufactured a minimum of 5% recycled material.

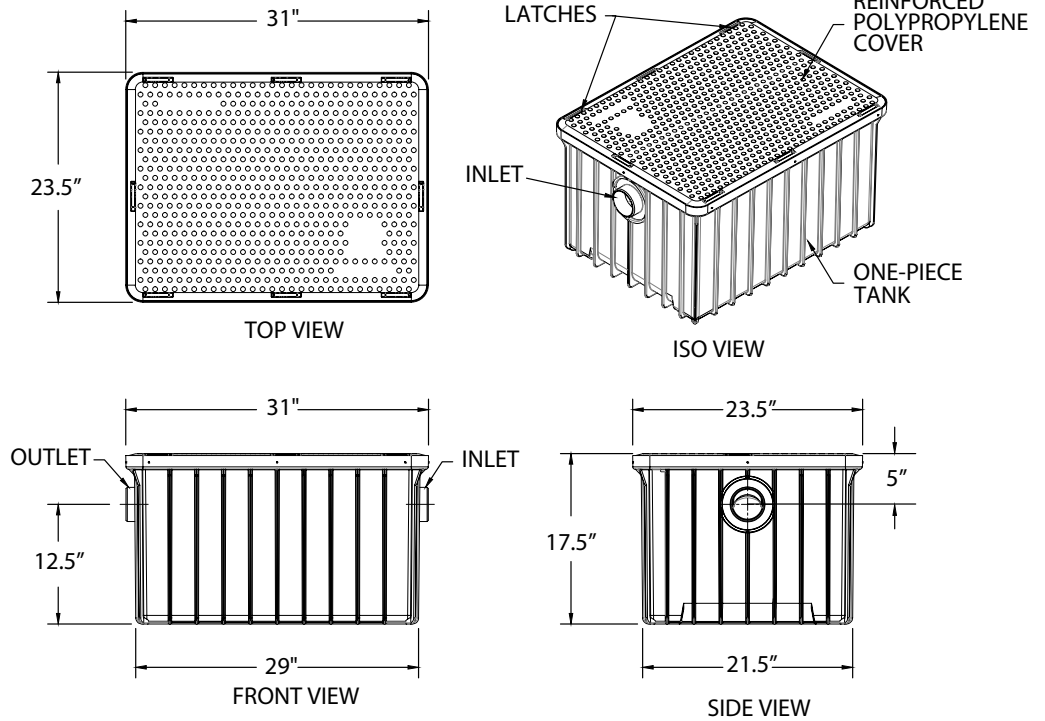
Product	Description	Connection Size	Recycled Content	On-Floor
 <p><b>Endura Compact Grease Interceptor</b> - 7 GPM 3907A02 - 10 GPM 3910A02 - 15 GPM 3915A02C</p>	<ul style="list-style-type: none"> <li>- Compact tank / small footprint</li> <li>- Injection molded in proven engineered thermoplastics for strength and durability</li> <li>- EZ-Open cover latches</li> <li>- Odor lock cover gasket</li> <li>- EZ-Clean exterior tank profile with a non-ribbed section at the lower two inches of the tank</li> <li>- 10 Year Limited Manufacturers Warranty</li> </ul>	<ul style="list-style-type: none"> <li>- 7 GPM 3907A02 - 2"</li> <li>- 10 GPM 3910A02 - 2"</li> <li>- 15 GPM 3915A02C - 2"</li> </ul>  <p>Connected using mechanical joint couplings allowing for use of various piping materials.</p>	<p>Minimum of 5%</p> 	 <p>LEVEL, NON-ABSORBENT MATERIAL FOR EVEN SUPPORT OF TANK</p>
 <p><b>Endura Grease Interceptor</b> - 20 GPM 3920A02 - 25 GPM 3925A02 - 25 GPM 3925A03</p>	<ul style="list-style-type: none"> <li>- Injection molded in proven engineered thermoplastics for strength and durability</li> <li>- EZ-Open cover latches</li> <li>- Odor lock cover gasket</li> <li>- Load rated cover supports up to 440 pounds of pedestrian and light duty traffic</li> <li>- 25gpm with 2" or 3" connections</li> <li>- 10 Year Limited Manufacturers Warranty</li> </ul>	<ul style="list-style-type: none"> <li>- 20 GPM 3920A02 - 2"</li> <li>- 25 GPM 3925A02 - 2"</li> <li>- 25 GPM 3925A03 - 3"</li> </ul>  <p>Connected using mechanical joint couplings allowing for use of various piping materials.</p>	<p>Minimum of 5%</p> 	 <p>LEVEL, NON-ABSORBENT MATERIAL FOR EVEN SUPPORT OF TANK</p>
 <p><b>Endura Low Profile Grease Interceptor</b> - 25 GPM 3925A02LO</p>	<ul style="list-style-type: none"> <li>- 11" in height, ideal for under sink installation</li> <li>- Requires only 6" of clearance for maintenance</li> <li>- Injection molded in proven engineered thermoplastics for strength and durability</li> <li>- EZ-Open cover latches</li> <li>- Odor lock cover gasket</li> <li>- EZ-Clean tank exterior</li> <li>- 10 Year Limited Manufacturers Warranty</li> </ul>	<ul style="list-style-type: none"> <li>- 25 GPM 3925A02LO - 2"</li> </ul>  <p>Connected using mechanical joint couplings allowing for use of various piping materials.</p>	<p>Minimum of 5%</p> 	 <p>LEVEL, NON-ABSORBENT MATERIAL FOR EVEN SUPPORT OF TANK</p>
 <p><b>Endura Grease Interceptor</b> - 35 GPM 3935A03 - 35 GPM 3935A04</p>	<ul style="list-style-type: none"> <li>- Injection molded in proven engineered thermoplastics for strength and durability</li> <li>- EZ-Open cover latches</li> <li>- Odor lock cover gasket</li> <li>- Load rated cover supports up to 440 pounds of pedestrian and light duty traffic</li> <li>- 10 Year Limited Manufacturers Warranty</li> <li>- Supplied with 2 piece flow control</li> </ul>	<ul style="list-style-type: none"> <li>- 35 GPM 3935A03 - 3"</li> <li>- 35 GPM 3935A04 - 4"</li> </ul>  <p>Connected using mechanical joint couplings allowing for use of various piping materials.</p>	<p>Minimum of 5%</p> 	 <p>LEVEL, NON-ABSORBENT MATERIAL FOR EVEN SUPPORT OF TANK</p>
 <p><b>Endura Grease Interceptor</b> - 50 GPM 3950A03 - 50 GPM 3950A04</p>	<ul style="list-style-type: none"> <li>- Injection molded in proven engineered thermoplastics for strength and durability</li> <li>- EZ-Open cover latches</li> <li>- Odor lock cover gasket</li> <li>- Load rated cover supports up to 440 pounds of pedestrian and light duty traffic</li> <li>- 10 Year Limited Manufacturers Warranty</li> <li>- Supplied with 2 piece flow control</li> </ul>	<ul style="list-style-type: none"> <li>- 50 GPM 3950A03 - 3"</li> <li>- 50 GPM 3950A04 - 4"</li> </ul>  <p>Connected using mechanical joint couplings allowing for use of various piping materials.</p>	<p>Minimum of 5%</p> 	 <p>LEVEL, NON-ABSORBENT MATERIAL FOR EVEN SUPPORT OF TANK</p>

## Endura® 35GPM Models

3935A03 35GPM (2.2 LPS)  
3" (76mm) connection

3935A04 35GPM (2.2 LPS)  
4" (110 mm) connection

Notes:  
ACCESSIBLE FLOW CONTROL  
DEVICE (FCD) IS SUPPLIED  
FOR INSTALLATION UPSTREAM  
OF THE GREASE INTERCEPTOR (GI)  
-3" or 4" INLET/OUTLET MODELS

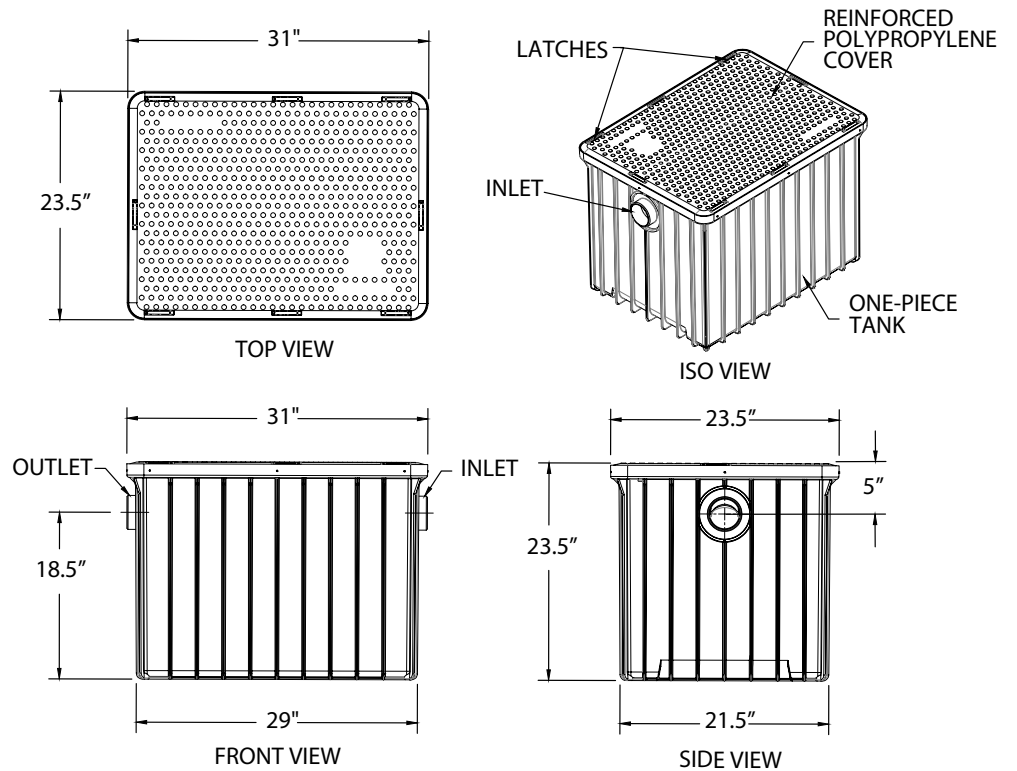


## Endura® 50GPM Models

3950A03 50 GPM (3.2 LPS)  
3" (76 mm) connection

3950A04 50 GPM (3.2 LPS)  
4" (110 mm) connection

Notes:  
ACCESSIBLE FLOW CONTROL  
DEVICE (FCD) IS SUPPLIED  
FOR INSTALLATION UPSTREAM  
OF THE GREASE INTERCEPTOR (GI)  
-3" or 4" INLET/OUTLET MODELS



# Technical Specifications

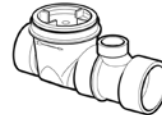
PDI Rating (GPM)	7	10	15	20	25 LO	25	35	50
Capacity - min. (lbs)	14	20	30	40	50	50	70	100
Litres Per Second - (LPS)	0.44	0.63	0.94	1.26	1.6	1.6	2.2	3.2
Capacity - (Kg)	6.35	9.07	13.6	18.1	22.68	22.7	31.8	45.4
Endura Part Number	3907A02	3910A02	3915A02C	3920A02	3925A02LO	3925A02 (2") 3925A03 (3")	3935A03 (3") 3935A04 (4")	3950A03 (3") 3950A04 (4")
Average Efficiency % (ASME A112.14.3)	95.5%	92.5%	92.0%	95.4%	97.1%	92.5%	98.6%	93.9%
Actual Grease Capacity lbs (Kg)	31.95 (14.49)	33.1 (17.28)	34.97 (18.58)	76.4 (34.65)	53.4 (24.22)	* 74 (33.6)	138.5 (62.8)	* 122 (55.3)
Operating Temperature Capabilities	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)	220°F (104°C)
Cover Load Capacity	440 lbs (200 kgs)	440 lbs (200 kgs)	440 lbs (200 kgs)	440 lbs (200 kgs)	440 lbs (200 kgs)	440 lbs (200 kgs)	440 lbs (200 kgs)	440 lbs (200 kgs)
Unit Weight Capacity (Empty)	15.8Lbs (7.17kgs)	15.8Lbs (7.17kgs)	15.8Lbs (7.17kgs)	23 lbs (10.4 kgs)	23.9 lbs (10.85 kgs)	23 lbs (10.4 kgs)	45 lbs (20.4 kgs)	60 lbs (27.2 kgs)
Liquid Capacity	12.96 gal (49.06 L)	12.96 gal (49.06 L)	12.96 gal (49.06 L)	21.6 gal (81.8 L)	18.9 gal (71.54 L)	21.6 gal (81.8 L)	39.4 gal (149.1 L)	52.0 gal (197 L)
Connection size (nominal)	2"	2"	2"	2"	2"	2" (3925A02) 3" (3925A03)	3" (3935A03) 4" (3935A04)	3" (3950A03) 4" (3950A04)

Capacity based PDI G101 minimum requirements for respective GPM rating at ASME A112.14.3 Breakdown. Actual Grease Capacity recorded at Breakdown of ASME A112.14.3 test.

## Dimensions - Flow Control Device Assembly



1 Piece Compact Flow Control



2 Piece Flow Controls (3" Version Illustrated)

Flow Control & Air Intake Combined			Flow Control Body			Air Intake Tee				
Connection Iron Pipe Size (Solvent weld)	Compact 2" h x h		Connection Iron Pipe Size (Solvent weld)	2" h x h	3" h x h	4" h x h		3" spg x h	4" spg x h	
A	3.94" (100mm)		A	A	3" (76.2mm)	4.23" (107.4mm)		6.13" (155.7mm)	2.67" (67.8mm)	3.19" (81mm)
B	3.44" (87.4mm)		B	B	3.84" (97.5mm)	5.93" (151mm)		6.84" (173.7mm)	4.01" (101.9mm)	5.04" (128mm)
C	-		C	C	-	-		-	2.27" (57.7mm)	2.72" (69.1mm)

## Installation

Every Canplas interceptor is supplied with full installation and operation instructions. The Installation, Use & Care manual is available for reference at

[http://www.canplasplumbing.com/Portals/9/ProductDownloads/3935A-17\\_Endura\\_GI\\_Manual.pdf](http://www.canplasplumbing.com/Portals/9/ProductDownloads/3935A-17_Endura_GI_Manual.pdf)

### Cautions - Before designing your drainage system



**WARNING!**  
**DO NOT PRESSURE TEST.**  
**RISK OF SERIOUS INJURY.**

As a gravity fed plumbing appurtenance, a grease interceptor MUST be isolated from the drainage system in the event that final drain testing or other system pressure testing is required by the AHJ.



**CAUTION**

**Venting** - Grease Interceptors must have a vented waste, sized in accordance with local code requirements for venting interceptors to retain a water seal and prevent siphoning. Most codes dictate that two vents be installed, one upstream and one downstream of the grease interceptor. The upstream vent must not be placed between the air intake and the grease interceptor.



**CAUTION**

**System longer than 8 feet?** - If more than 8 feet (2.4 m) of fall exists between appliance outlet and interceptor inlet, a secondary flow control must be installed immediately preceding the grease interceptor to maintain flow velocities in the system. See installation drawing.



**CAUTION**

**Installed under a sink** - If installed under a sink or similar obstruction ensure there is sufficient clearance to remove the baffles for cleaning and maintenance. Clearance of 21" for 50 GPM models, 5" for LoProfile model, 15" for all other models. If this is not practical, semi-recessing the tank may be an option.



**CAUTION**

**Floor Drains** - Some local jurisdictions require that the interceptor service the floor drains. The floor drain must bypass the flow control to ensure the restriction does not flood the drain. Therefore, the flow control should be installed as close to the fixture as possible or directly preceding the floor drain connection.

2. **Model 3935A03 - Endura GI 35GPM/70LB.**
  - a. Flow Control: 3933135.
  - b. Flow: 35 US Gallons per Minute (2.2 liter per second).
  - c. Capacity: 70 Pounds (31.8 kg).
  - d. Average Efficiency % (ASME 112.4.3): 98.6%.
  - e. Grease Capacity lbs (Kg) actual: 138.5 (62.8).
  - f. Unit Weight (Empty): 45 lb (20.4 kg).
  - g. Liquid Capacity: 39.4 gal (149.1 L).
  - h. Connection size (mechanical): 3 inches (76 mm)  
(110 mm available on request).
3. **Model 3935A04 - Endura GI 35GPM/70LB.**
  - a. Flow Control: 3934135.
  - b. Flow: 35 US Gallons per Minute (2.2 liter per second).
  - c. Capacity: 70 Pounds (31.8 kg).
  - d. Average Efficiency % (ASME 112.4.3): 98.6%.
  - e. Grease Capacity lbs (Kg) actual: 138.5 (62.8).
  - f. Unit Weight (Empty): 45 lb (20.4 kg).
  - g. Liquid Capacity: 39.4 gal (149.1 L).
  - h. Connection size (mechanical): 4 inches (102 mm).
4. **Model 3950A03 - Endura GI 50GPM/100LB.**
  - a. Flow Control: 3933150.
  - b. Flow: 50 US Gallons per Minute (3.2 liter per second).
  - c. Capacity: 100 Pounds (45.4 kg).
  - d. Average Efficiency % (ASME 112.4.3): 93.9%.
  - e. Grease Capacity lbs (Kg) actual: 122 (55.3).
  - f. Unit Weight (Empty): 60 lb (27.2 kg).
  - g. Liquid Capacity: 52 gal (197 L).
  - h. Connection size (mechanical): 3 inches (76 mm)  
(110 mm available on request).
5. **Model 3950A04 - Endura GI 50GPM/100LB.**
  - a. Flow Control: 3934150.
  - b. Flow: 50 US Gallons per Minute (3.2 liter per second).
  - c. Capacity: 100 Pounds (45.4 kg).
  - d. Average Efficiency % (ASME 112.4.3): 93.9%.
  - e. Grease Capacity lbs (Kg) actual: 122 (55.3).
  - f. Unit Weight (Empty): 60 lb (27.2 kg).
  - g. Liquid Capacity: 52 gal (197 L).
  - h. Connection size (mechanical): 4 inches (102 mm).

## 2.4 SOLIDS INTERCEPTOR

### A. **Product: 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 of 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 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 (220 kg).
2. Type: Stand Alone Model 3911A02: Solids Interceptor. Complete with Solids Basket Accessory (SBA): 2 inches (51 mm) inlet.

3. Type: Integral to Interceptor Model 3911A-1: Solids Basket Accessory (SBA).

## 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