

Specifications

Endura® brand products are manufactured by Canplas Industries Ltd

SECTION 22 13 23 GREASE INTERCEPTORS

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Grease interceptors (Hydromechanical).

1.2 RELATED SECTIONS

- A. Section 22 13 00 – Facility Sanitary Sewerage.

1.3 REFERENCES

- A. CAN/CSA-B481.1: Testing and Rating of Grease Interceptors using Lard.
- B. PDI G101: Testing and Rating Procedure for Hydromechanical Grease Interceptors.
- C. ASME A112.14.3: Grease Interceptors.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum five (5) years of experience manufacturing similar products.
- B. Installer Qualifications: Minimum two (2) years of experience installing similar products.

1.6 PRE-INSTALLATION MEETINGS

- A. Convene minimum two weeks prior to starting Work of this section.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Handling: Handle materials to avoid damage.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.9 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.10 WARRANTY

- A. Endura® Grease Interceptors (7-50 GPM) and Solids Interceptor products as manufactured by Canplas Industries Ltd shall be supported by a 10 year manufacturer's extended warranty.
- B. Endura®XL Grease Interceptors as manufactured by Canplas Industries Ltd shall be supported by a manufacturer's limited lifetime warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Canplas Industries Ltd., which is located at: ; Canada; 500 Veterans Dr. P.O. Box 1800; Barrie, ON, Canada L4M 4V3; Toll Free Tel: 800-461-1771; Tel: 705-726-3361; Fax: 705-726-2186;

Email: tech-support@endurainterceptor.com;

- B. Substitutions: Not permitted.

- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 GREASE MANAGEMENT

- A. Endura® Grease Interceptors and Solids Interceptor products shall be from a single source of manufacture, Canplas Industries Ltd. These products may be offered nationally, regionally or locally by wholesale or retail distributors.

2.3 GREASE INTERCEPTORS

- A. **Product: Endura® Compact Grease Interceptor 7-15 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 retain and secure 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 3907A02 - Endura® 7GPM/14LB**

(No-Hub connection – Mechanical Joint coupling).

Model 3907A02T - Endura® 7GPM/14LB (Threaded connection).

Model 3907A02S - Endura® 7GPM/14LB (Spigot connection).

- a. Flow Rate: 7 US Gallons per Minute (0.44 L per second).
- b. Average Efficiency % (ASME 112.14.3): 95.5%.
- c. Minimum Grease Capacity: 14 lb (6.35 kg).
- d. Grease Capacity Actual: 31.95 lb (14.49 kg).
- e. Unit Weight (Empty): 13.8 lb (6.26 kg).
- f. Liquid Capacity: 12.96 gal (49.06 L).
- g. Connection size: 2 inches (51 mm)

- 3. **Model 3910A02 - Endura® 10GPM/20LB**

(No-Hub connection – Mechanical Joint coupling)

Model 3910A02T - Endura® 10GPM/20LB (Threaded connection).

Model 3910A02S - Endura® 10GPM/20LB (Spigot connection).

- a. Flow Rate: 10 US Gallons per Minute (0.63 L per second).
- b. Average Efficiency % (ASME 112.14.3): 92.5%.
- c. Minimum Grease Capacity: 20 lb (9.07 kg).
- d. Grease Capacity Actual: 38.1 lb (17.28 kg).
- e. Unit Weight (Empty): 13.8 lb (6.26 kg).
- f. Liquid Capacity: 12.96 gal (49.06 L).
- g. Connection size (mechanical): 2 inches (51 mm).

- 4. **Model 3915A02C - Endura® 15GPM/30LB**

(No-Hub connection – Mechanical Joint coupling)

Model 3915A02CT - Endura® 15GPM/30LB (Threaded connection).

Model 3915A02CS - Endura® 15GPM/30LB (Spigot connection).

- a. Flow Rate: 15 US Gallons per Minute (0.94 L per second).
- b. Average Efficiency % (ASME 112.14.3): 92%.
- c. Minimum Grease Capacity: 30 lb (13.6 kg).
- d. Grease Capacity Actual: 40.97 lb (18.58 kg).
- e. Unit Weight (Empty): 13.8 lb (6.26 kg).
- f. Liquid Capacity: 12.96 gal (49.06 L).
- g. Connection size: 2 inches (51 mm).

- B. **Product: Endura® Grease Interceptor 20 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