

# Hydromechanical Grease Management

# endura XL Grease Interceptor

Engineered  
for **Easy**

*Multi-User input was key  
in the development of the  
Endura XL models*

Taking our product experience, manufacturing and distribution expertise, we blended this with the operational needs of the industry. We worked hard to ensure that whatever your interaction with Endura XL, **Canplas has made Grease Management easy for you!**



 endura  
XL100

 endura  
XL75



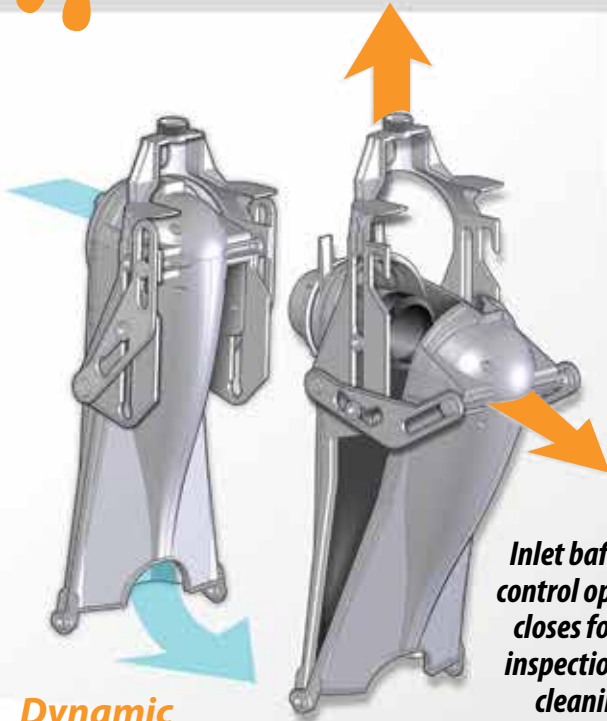
[www.endurainterceptor.com](http://www.endurainterceptor.com)

 endura®  
GREASE MANAGEMENT

# Endura XL Grease Interceptor

## Building on a field proven approach to grease management

For over a decade, Canplas has manufactured some of the highest performing hydromechanical grease interceptors in North America. The Endura line carries a number of international patents and offers solutions from 7gpm through to 100gpm with the addition of the Endura XL models.



### Dynamic Inlet Baffle

The Dynamic Inlet Baffle is unique not only to Endura XL but also the industry. The simple pull-push action, opens and closes the baffle providing unrivaled access for inspection and cleaning. The handle can also be extended for deeper below grade installations using regular fittings (supplied with kit) ensuring that accessibility is maintained.

*Inlet baffle/flow control opens and closes for easy inspection and cleaning*

*No Hub or Threaded Connection*

*Supplied with Internal Flow Control - External Option*

*Manual Lifting Points*

*Remote Pump Ready*

*Balanced Air Environment*

*Internal Flow Control*

*Grease Separation Zone*

*Dynamic Inlet Baffle*

*Diffuser Ramp*

### Integrated Flow Control

Like most hydromechanical interceptors Endura XL uses a flow control orifice to manage the waste water entering the unit. Mounted on the front section of the baffle, the internal flow control plate moves away from the inlet pipe giving opportunity for visual inspection and cleaning as required. This action also opens the upstream line to its full diameter, allowing any accumulated debris to pass into the tank, where it can be removed.

For PDI approved installation or where required or preferred by local enforcement Endura XL can also be installed with an external flow control device.

*Molded Tie Down Points*

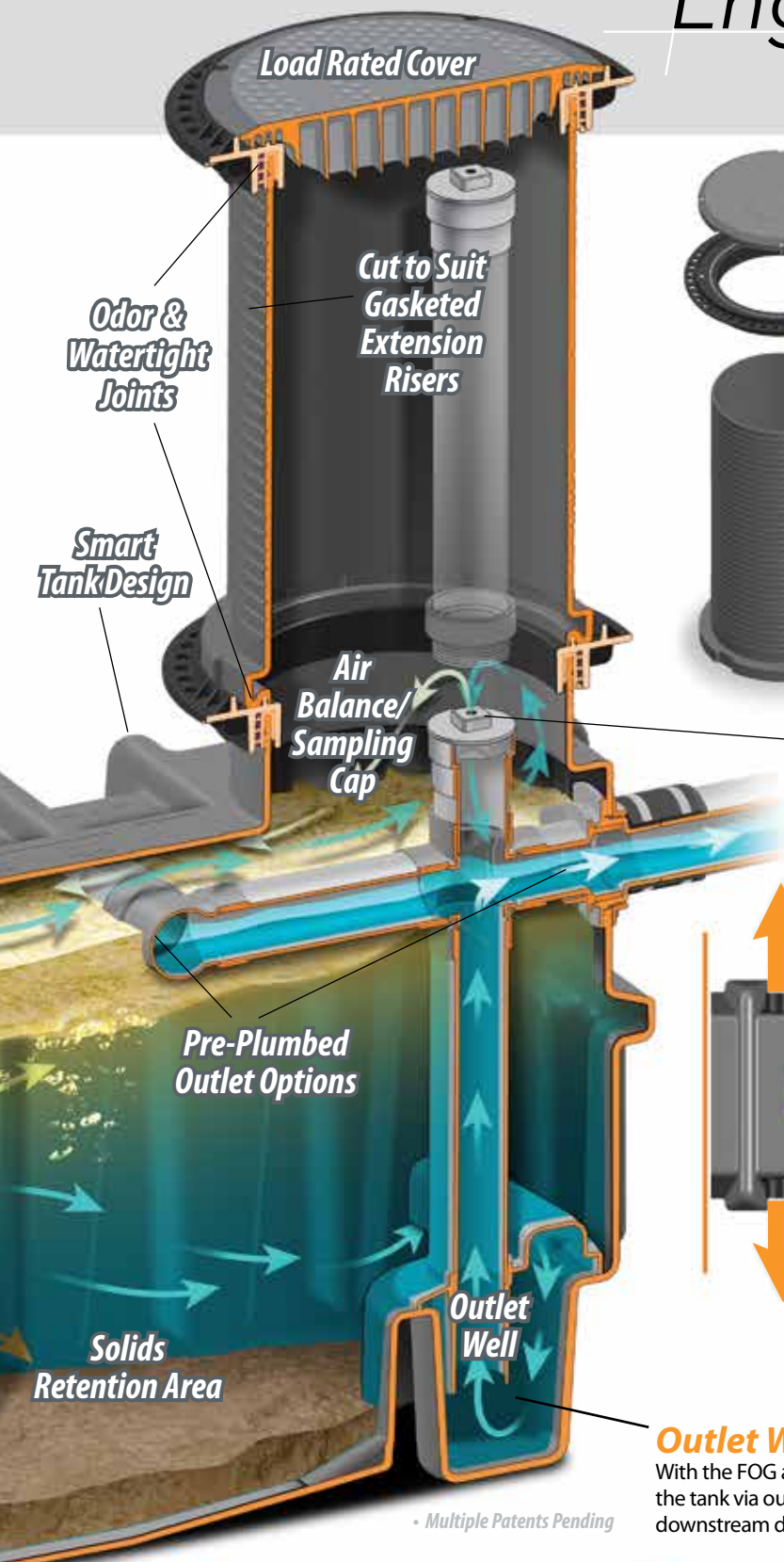
### Solids Retention Area

Passing over the ramp, any solids or debris separate by gravity into the defined solids retention area. This significantly reduces the likelihood of grease-laden particles from exiting the interceptor.



ES15741  
ASME A112.14.3 & CSA B481.1

# Engineered for **Easy**



• Multiple Patents Pending



## Load Rated Covers

The XL covers use high grade thermoplastic for strength, durability and chemical resistance. The seal is recessed in the cover for security and protection. Both Endura XL75 and XL100 models are supplied as standard with traffic rated covers, third party evaluated to exceed the maximum design load of AASHTO H20 (16,000 lbs) and CSA B481.0 Class 'S' (proof load 20,000 lbs). Also available Class 'M' covers (Proof load >4000 lbs) for internal/external pedestrian and light traffic applications.

## Riser Extensions

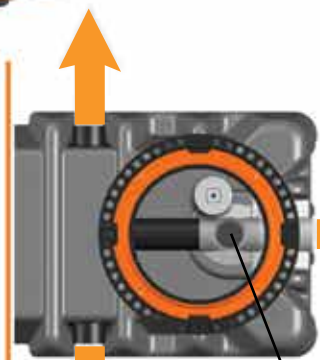
There are often applications where deeper burial of the interceptor is needed. The XL 'Cut to length' riser extension is supplied with an additional frame and interfaces directly with the tank. The original cover is removed and relocated to the top of the extension.

## Balanced Air Environment

Endura XL features an internal balanced air environment. This ensures that the air movement necessary for the efficient function of the interceptor and connected drainage system are maintained. This function is also key to air entrapment when flow enters the unit.

## Factory Plumbed 3-Way Outlets

Installation throws you a challenge now and again. The Endura XL models feature three pre-plumbed outlet options for straight through, or side outlet drainage connections. Simply choose your most convenient outlet connection and seal the other two with the caps provided.



## Integrated Effluent Sampling

With the removal of the cover above the XL outlet system, Access can be made to both the air balance/sampling cap. Removal of the cap provides direct access to the effluent stream for water quality sampling. This feature removes the need for additional downstream sampling ports. (Subject to local requirements)

## Outlet Well Features

With the FOG and solids having been effectively separated, the waste water leaves the tank via our uniquely enclosed outlet well, the effluent being discharged to the downstream drain through one of three pre-plumbed tank outlets.



Specifier



Distributor



Contractor



Restaurant Operator



Inspector / Code Official



Pumper

What makes Endura XL the interceptor of choice for you? Tell us... [feedback@endurainterceptor.com](mailto:feedback@endurainterceptor.com)

# Endura XL Grease Interceptor

Engineered for **Easy**

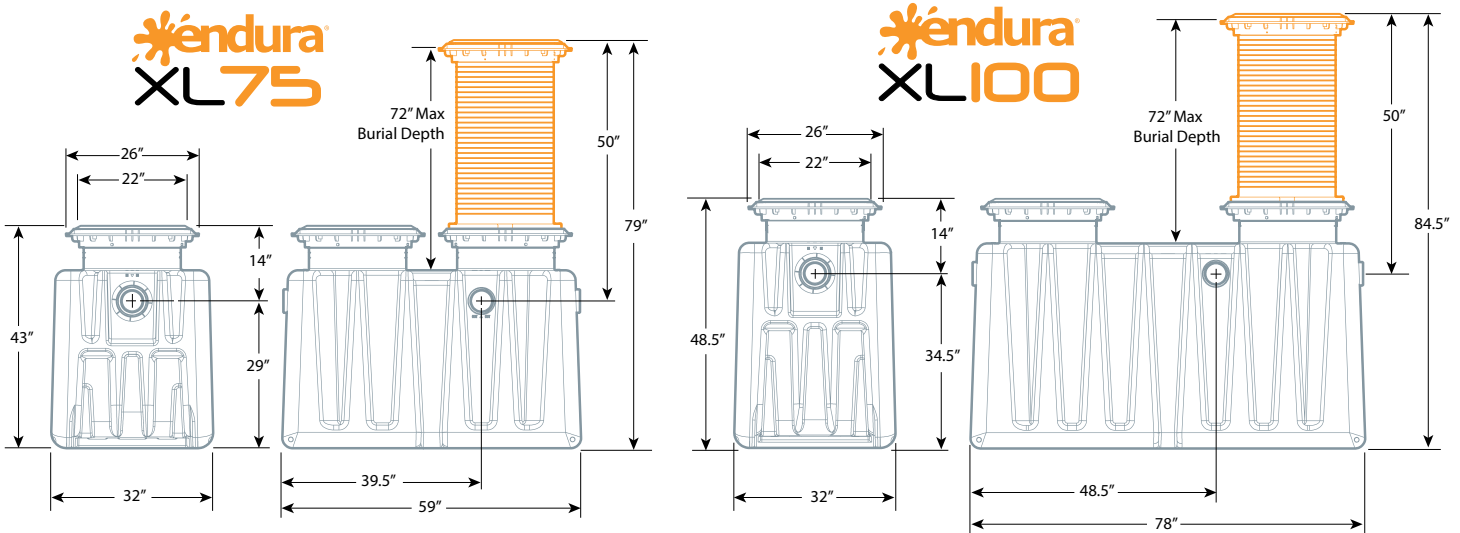


**Specifications Made Easy**  
The Endura series grease interceptors are listed on the ARCAT website that offers a wide variety of tools for the specification community with the most extensive and up to date specification library.



**Earn CEU Credits**  
Learn online more about Endura at one of the largest sources of free continuing education courses for architects, engineers, contractors and other construction professionals.

## Dimensions



We reserve the right to make part modifications without prior notice. Drawings for illustrative purposes only. All Dimensions are for illustrative purposes only, temperature will cause some variations.

## Capacities

	Endura XL75	Endura XL75 'M'	Endura XL100	Endura XL100 'M'
<b>Part Number</b>	4075A04	4075A04M	40100A04	40100A04M
<b>US Gallons Per Minute - GPM (L/Sec)</b>	75 (4.74)	75 (4.74)	100 (6.3)	100 (6.3)
<b>Min. Grease Capacity - lb (kg)</b>	150 (68.2)	150 (68.2)	200 (90.8)	200 (90.8)
<b>Grease Capacity Actual (ASME A112.14.3) - lb (kg)</b> † NSF ES 15741	559 (253)†	559 (253)†	1058 (480)†	1058 (480)†
<b>Average Efficiency % (ASME A112.14.3)</b>	>98%	>98%	>98%	>98%
<b>Operating Temperature Capabilities</b>	160°F (71°C)	160°F (71°C)	160°F (71°C)	160°F (71°C)
<b>Cover Load Rating- CSA B481.0</b>	<b>S</b> 10,000 lb (4536 kg)	<b>M</b> 2000 lb (907 kg)	<b>S</b> 10,000 lb (4536 kg)	<b>M</b> 2000 lb (907 kg)
<b>CSA B481.0 Min. Test Load for Approval</b>	<b>S</b> 20,000 lb (9072 kg)	<b>M</b> 4000 lb (1814 kg)	<b>S</b> 20,000 lb (9072 kg)	<b>M</b> 4000 lb (1814 kg)
<b>Unit Weight (Empty)</b>	233 lb (106 kg)	233 lb (106 kg)	283 lb (128 kg)	283 lb (128 kg)
<b>Liquid Capacity</b>	158 gal (598 L)	158 gal (598 L)	257 gal (973 L)	257 gal (973 L)
<b>Connection size (mechanical joint only)</b>	4"	4"	4"	4"

## Specification:

### Sample specification clause.

Contractor shall install a Canplas Endura®XL Hydromechanical Grease Interceptor (HGI), Part No. 40100A04 □, 4075A04 □, and respectively to 100GPM □, 75GPM □, (Identify as applicable). Where applicable the suffix M □ and/or T □ can be added (Identify as applicable) to denote specification of requirement for flush to grade, M rated (2000lb) access covers and/or Threaded (FPT) Inlet/outlet connection. Interceptor shall be independently third-party certified & listed to the current version of PDI-G101, ASME A112.14.3, NSF ES15741 and/or CSA B481.1. Approved alternate is only permissible providing written compliance to the following is provided and validated.

Where integrated flow control is preferred and acceptable to the Authority Having Jurisdiction (AHJ), the interceptor shall be rated and approved to ASME A112.14.3 - Type C. The flow control shall be accessible in operation for cleaning & inspection up to the maximum burial depth of 72". Where adjustment to finished grade is required, contractor shall do so using 40100AX35 □ or 40100AX18 □ (Identify as applicable) or combination thereof, to extend the tank risers per manufacturers published instructions. The outlet system will provide facility for connections to be made perpendicular to the inlet connection. Connection formats will be compliant with requirements of AHJ and the performance standards identified above. Contractor shall provide mechanical joint connectors or requisite materials to connect the grease interceptor to the drainage system.

Interceptor shall be furnished with two (2) traffic-rated access covers, maximizing internal visibility for inspection & maintenance when removed. Covers shall be capable of withstanding a proof load exceeding 20,000lbs, being certified for application at temperatures from -20°F to +100°F (-29°C to +38°C). The cover will be mechanically secured when operational.

The interceptor tank shall be constructed of seamless engineering thermoplastics, evaluated & approved to the material performance requirements of CSA B481.0. The interceptor shall be designed to operate based on an internally air-balanced environment to equalize pressure differentials under discharge and supported by a Limited Lifetime manufacturer's warranty.

## Approvals



ES15741  
ASME A112.14.3 & CSA B481.1

[www.endurainterceptor.com](http://www.endurainterceptor.com)

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