COMPONENTS

- Endura XL75 Grease Trap
- Endura XL100 Grease Trap
- Light trafficable access cover
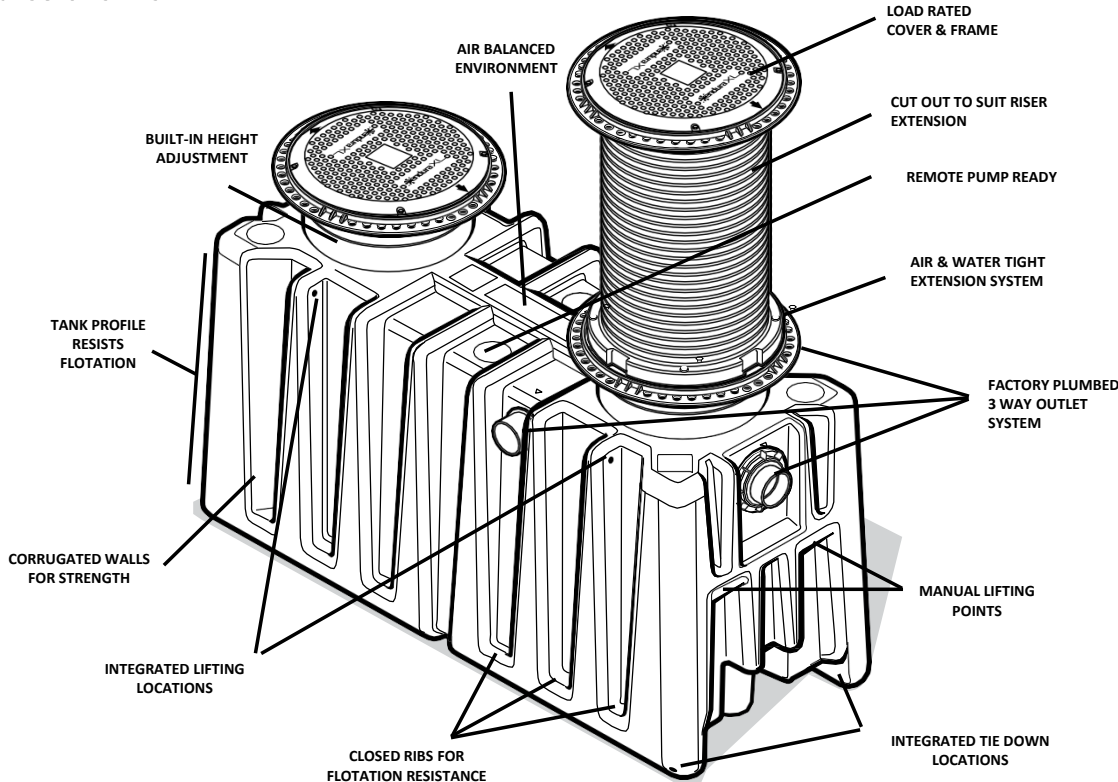- Pedestrian access cover

FEATURES

- Light trafficable access cover – Load rated to 4,536kg
- Pedestrian access cover – Load rated to 907kg
- Remote pump compatible
- Designed to resist floatation
- 3-way pre-plumbed outlets
- Riser Extension kits for deeper underground installation
- Self supporting body
- Light weight

PRODUCT CODE

DGT75
DGT100
DGT75P
DGT100P

RELATED PRODUCTS & ACCESSORIES

- DGTR450 – Riser Extension Kit
- DGTR880 – Riser Extension Kit
- Dux Actamatic Grease Converters

Features Overview

Labels: LOAD RATED COVER & FRAME; AIR BALANCED ENVIRONMENT; CUT OUT TO SUIT RISER EXTENSION; REMOTE PUMP READY; BUILT-IN HEIGHT ADJUSTMENT; AIR & WATER TIGHT EXTENSION SYSTEM; TANK PROFILE RESISTS FLOTATION; FACTORY PLUMBED 3 WAY OUTLET SYSTEM; CORRUGATED WALLS FOR STRENGTH; MANUAL LIFTING POINTS; INTEGRATED LIFTING LOCATIONS; CLOSED RIBS FOR FLOTATION RESISTANCE; INTEGRATED TIE DOWN LOCATIONS

All dimensions are in millimetres and subject to normal manufacturing tolerances. Dux reserves the right to vary specifications without notice.
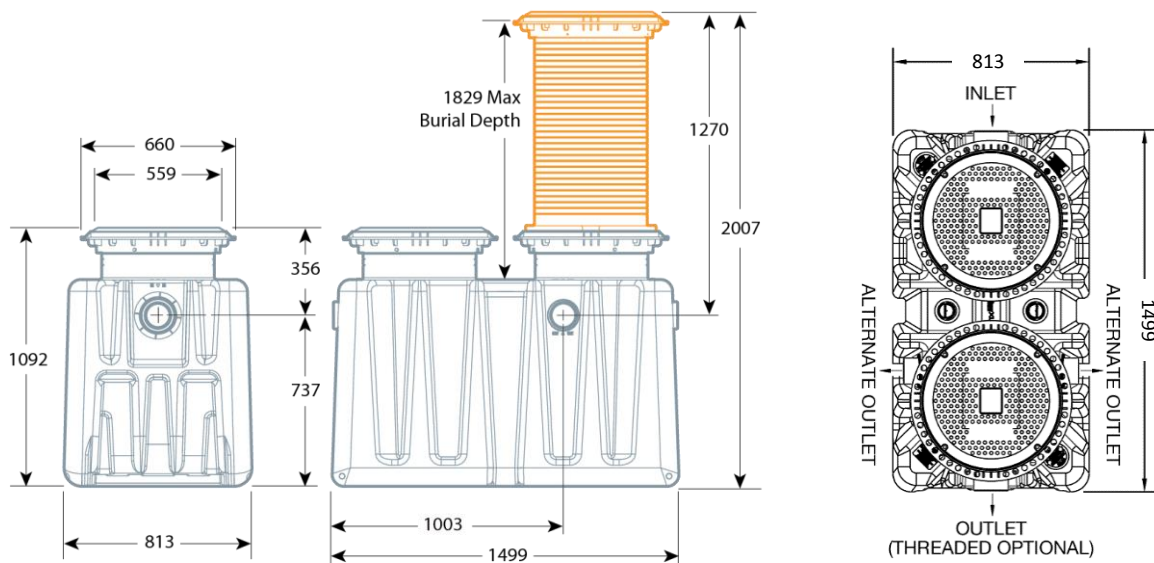
TECHNICAL SPECIFICATIONS

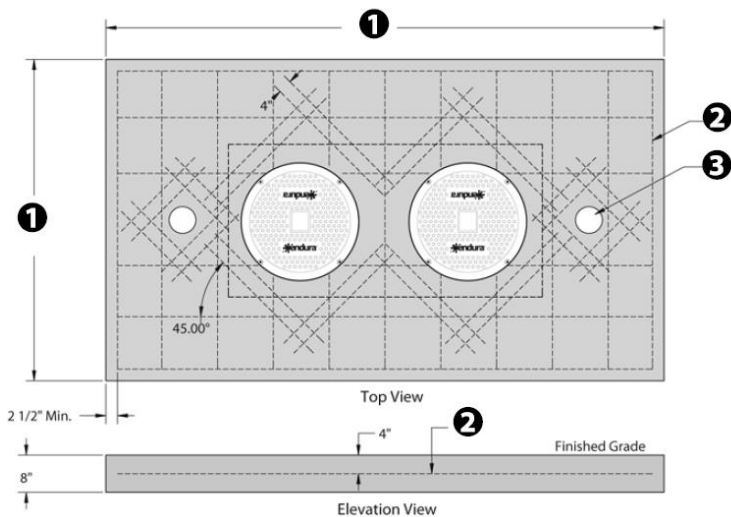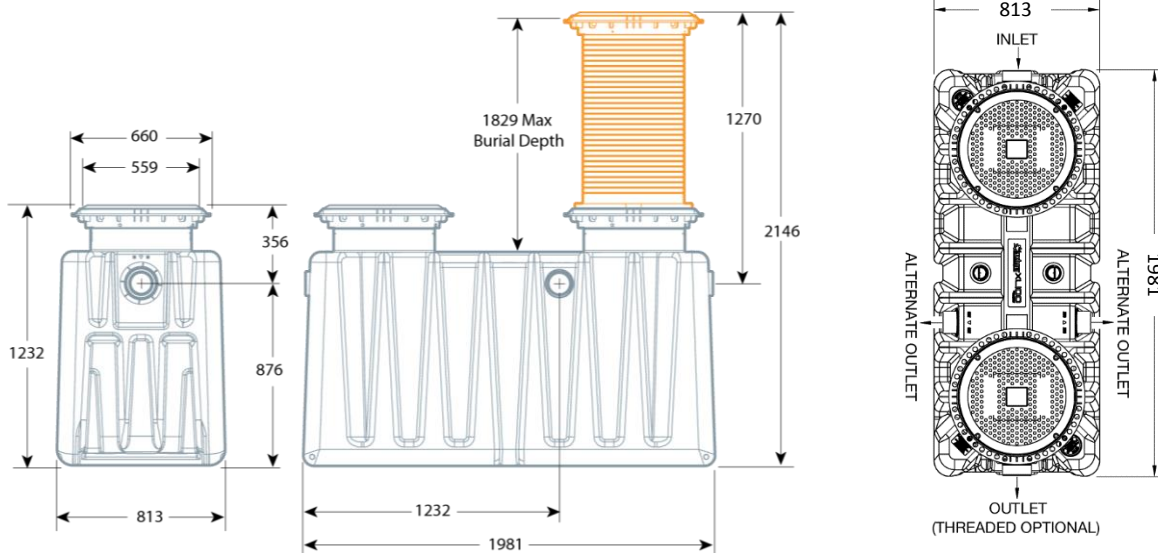| Capacities	Endura XL75	Endura XL100
Part Numbers	DGT75 DGT75P	DGT100 DGT100P
Litres per Second	4.74	6.3
Min. Grease Capacity	68.2kg	90.8kg
Grease Capacity Actual (ASME A112.14.3)	253kg	480kg
Average Efficiency % (ASME A112.14.3)	>98%	>98%
Operating Temperature Capabilities	71°C	71°C
Access Cover - Load Rating	Class A – 907kg Class B – 4536kg	Class A – 907kg Class B – 4536kg
Access Cover – Proof Load Test Rating	Class A – 1814kg Class B – 9072kg	Class A – 1814kg Class B – 9072kg
Unit Weight (Empty)	106kg	128kg
Liquid Capacity	598 litres	973 litres
Connection Size (Mechanical joint only)	100mm	100mm

Dimensions – XL75 Models

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TECHNICAL SPECIFICATIONS

Dimensions – XL100 Models

Dimensions:
- 660
- 559
- 356
- 1232
- 876
- 813
- 1829 Max Burial Depth
- 1270
- 2146
- 1232
- 1981
- 813 INLET
- 1981
- ALTERNATE OUTLET
- ALTERNATE OUTLET
- OUTLET (THREADED OPTIONAL)

Top View
- 4"
- 45.00°

Elevation View
- 2 1/2" Min.
- 8"
- 4"
- Finished Grade

Concrete Slab Detail For Traffic Loading

Concrete to be 28 day compressive strength to 4,000 PSI.
Reinforcement with N. 4 rebar (1.89mm) grade 60 steel per ASTM A615: connected with tie wire.
Rebar to be 64mm from edge of concrete.
Rebar spacing 300mm x 100mm spacing around access openings.

❶ Concrete Pad must extend min. 460mm outside the unit footprint

❷ No. 4 rebar (1.89mm)

❸ 2 Way cleanout tee

Key Design Considerations

Sizing by Flow Rate

It is recommended that grease traps such as the Endura® Traps are sized by flow rate. The use of flow control with a Hydromechanical Grease Trap is considered mandatory. Without a properly sized flow control, the discharge rate through into the trap may exceed the design rating of the unit, causing lower efficiencies and increased risk of grease, passing into the downstream system. Be careful not to confuse liquid capacity and flow rate. Liquid capacity is stated in litres while flow rate is reference in Litres per Minute, (LPM) or litres per second (L/S).

Fixture Capacity: Most commonly used and recommended method for Hydromechanical Grease Traps. This method looks at the maximum capacity of fixtures connected to the trap and the time taken to discharge that volume of waste water through the trap. Units are expressed in Litres per Minute. (LPM)
Calculation takes 75% of maximum capacity of all fixtures and based on a 1 or 2 minute period of time taken to discharge, results in a litres per minute flow rate. This number is rounded up to the next available size of trap.

	Table A – Procedure for sizing Grease Traps	
STEP	**FORMULA**	**EXAMPLE**
1	**Determine cubic content of fixture** by multiplying length x width x depth	A sink 600 mm long by 500mm wide by 300mm deep Cubic content: 600 x 500 x 300 = 90,000,000mm³
2	**Determine Capacity in Litres** 1 litre = 1000 cm³	**Contents in litres:** 90,000,000/1000 = 90 litres
3	**Determine actual drainage load** The fixture is normally filled to approx. 75% of capacity with water as the items being washed displace about 25% of the total content. Actual drainage load = 75% of fixture capacity	Actual Drainage load: 0.75 x 90 = 67.5 litres
4	**Determine flow rate and drainage period** In general, good practice dictates a one minute drainage period; however where conditions permit, a two minute drainage period is acceptable. Drainage period is defined as the actual time required to completely drain the fixture. Flow rate = $\frac{\text{Actual Drainage Load}}{\text{Drainage Period}}$	**Calculate flow rate for one minute drainage period:** 67.5/1 min. = 67.5 L/min **Calculate flow rate for two minute drainage period:** 67.5/2 min. = 33.75 L/min
5	**Select Interceptor** From Table B select the trap with a flow rating at least equal to the calculated flow rate. When calculated flow rate falls between two sizes, select the larger of the two interceptors	**For a one minute drainage period:** 67.5 L/min flow rate suitable for Endura® XL75 **For a two minute drainage period:** 33.75 L/min flow rate suitable for Endura® XL75

Table B – Grease Trap Rating		
Grease Trap	**Flow Rate L/Sec**	**Flow Rate L/Min**
Endura® XL75	4.74 L/sec	284.4 L/min
Endura® XL 100	6.3 L/sec	378 L/min

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