Ri-Industries

Product Catalogue

South Australia's leading manufacturer of precast concrete products, including secondary treatment systems, trade waste arrestors, septic tanks, and rainwater tanks.

Ri-Industries

Contents

ri-industries.com.au

24-30 Davis Street, Wingfield,
South Australia, 5013

(08) 8444 8100

About Ri-Industries

Specialists in precast concrete products

Ri-Industries has built a strong reputation for high-quality products, reliable service, and extensive knowledge in precast concrete solutions, including septic tanks, secondary treatment systems, and rainwater tanks. Our commitment to excellence is why South Australian residents and businesses trust and recommend us.

From our base in Wingfield, South Australia, we proudly serve metropolitan Adelaide, regional SA, and the Northern Territory. With nearly 80 years of precast expertise, we've led innovations in septic and wastewater solutions.

For homeowners, we offer secondary treatment systems, septic tanks, and rainwater tanks. For businesses, we provide larger tanks, trade waste arrestors, and stormwater sumps with grates, covers & frames. We can also offer custom precast solutions for infrastructure projects.

The Ri-Treat EP33 and EP10 systems are unique to Ri-Industries and are the only SA-manufactured secondary treatment systems tested, certified, and approved to meet Australian Standard AS/NZS 1546.3:2017 for South Australian conditions.

Our products are "over-engineered" to deliver superior durability and performance, earning praise from plumbers as "the best in South Australia." This quality is backed by on-time deliveries, a knowledgeable team, and dedicated after-sales support.

Ri-Industries holds certifications in Quality (ISO 9001), Environment (ISO 14001), and Safety (ISO 45001), ensuring industry-leading standards in every product and service we deliver.

Septic Tanks

Ri-Industries

Ri-Industries has been manufacturing septic tanks since 1947 and has developed efficient techniques to produce high-quality tanks built to last.

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Septic Tanks

Benefits of a Ri-Industries septic tank

A septic tank from Ri-Industries offers several benefits:

- Engineer-designed and built using precision steel moulds
- Constructed with 40 MPa concrete for superior strength and durability
- Sealed internal joints to minimise the risk of leaks
- Available in a range of sizes to suit various needs
- Child-proof and vandal-proof lids for added safety and peace of mind

Installation and maintenance

The installation and design of septic systems are regulated by SA Health. Local Council Environmental Health Officers can provide area-specific information.

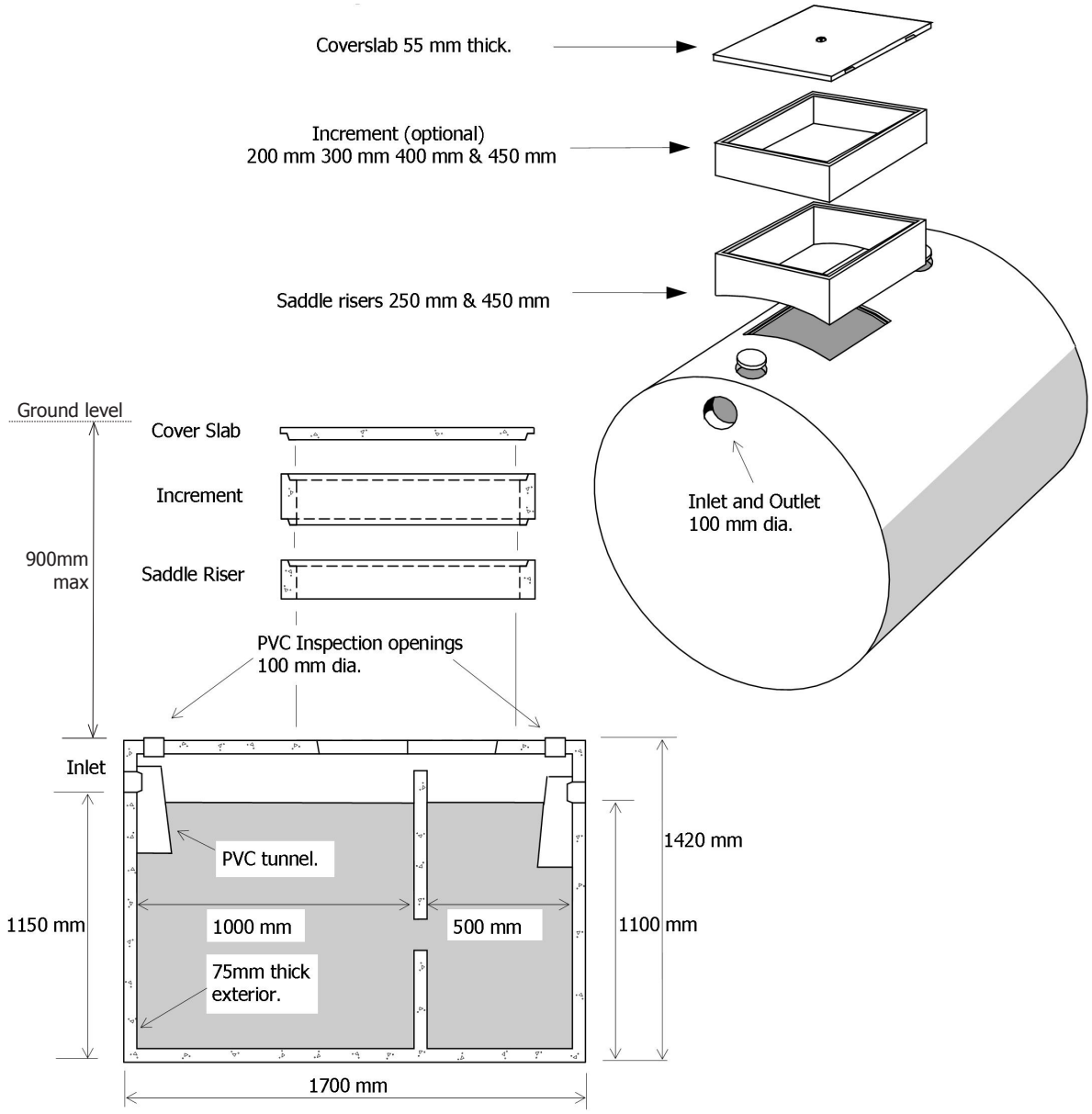
To keep the septic tank fresh and operating correctly:

- For an average family of 4-6 people, the septic tank may need to be de-sludged approximately every 4 years or as required by the Council.
- Materials that do not break down, such as plastic bags, tampons, disposable nappies, and condoms, must NOT be disposed of in the septic system. Biodegradable products should be used whenever possible. The bacterial action in septic tanks can be severely inhibited by excessive amounts of disinfectants or old medicines entering the tank. Only use products approved for septic systems.
- Pooling of effluent near the soakage trench may indicate that the system is clogging. If this occurs, contact your local liquid waste disposal contractor to empty the system.

Septic Tank

1,620 litre

Item	Approx mass
1,620 litre septic tank	1,875kg

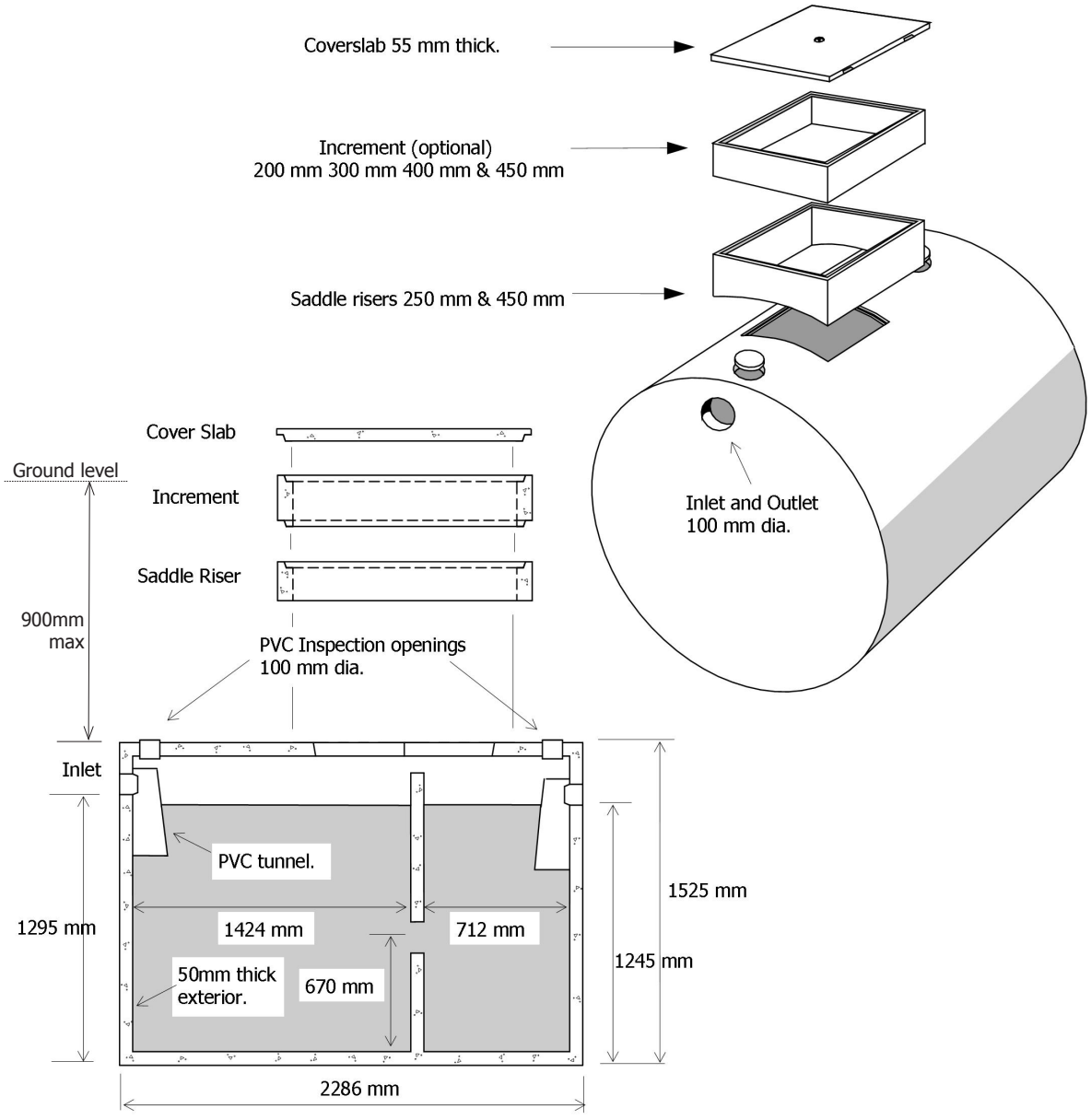


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Septic Tank

3,000 litre, 50mm wall

Item	Approx mass
3,000 litre septic tank (50mm wall)	2,000kg

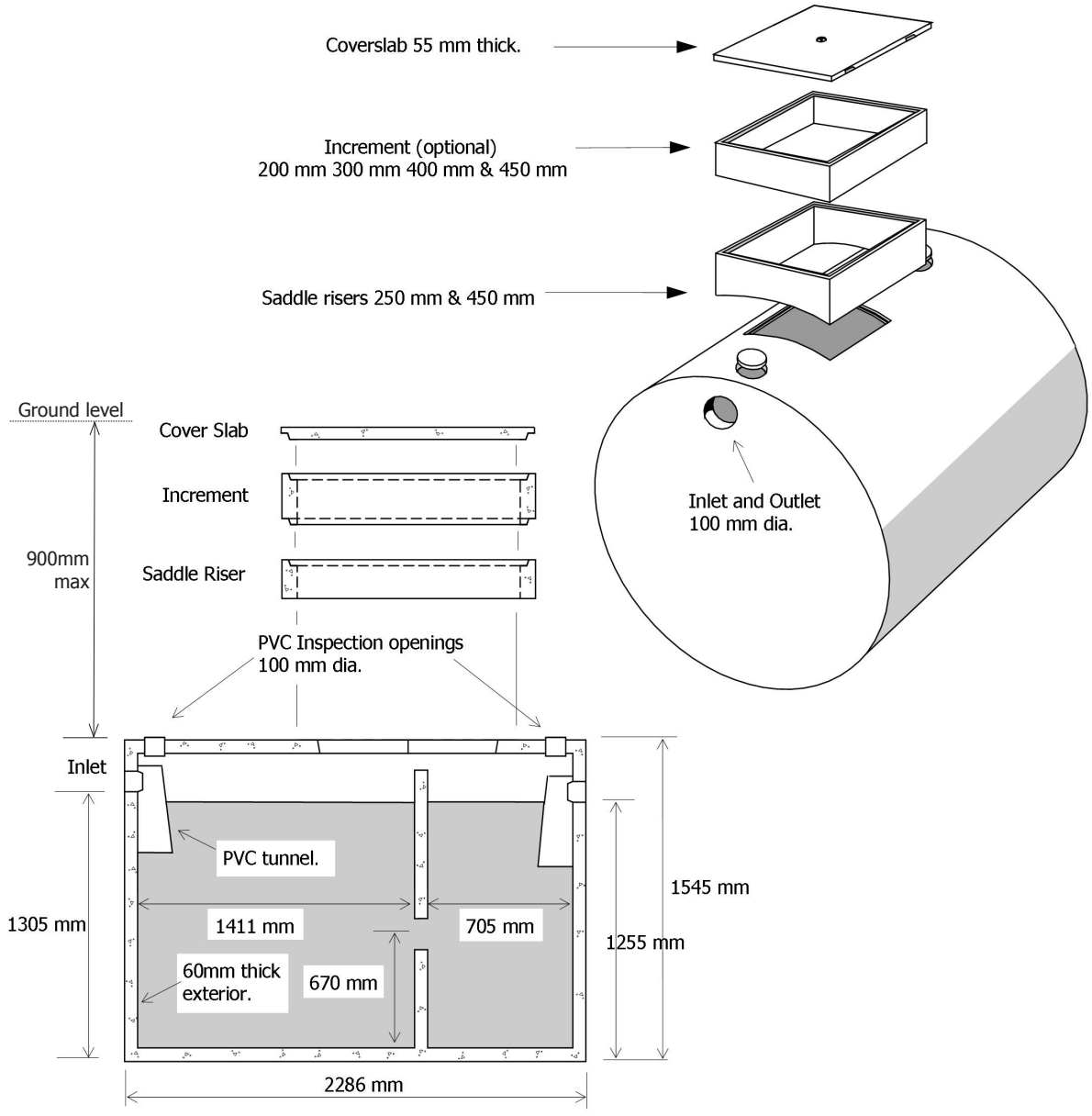


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Septic Tank

3,000 litre, 60mm wall

Item	Approx mass
3,000 litre septic tank (60mm wall)	2,300kg



The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

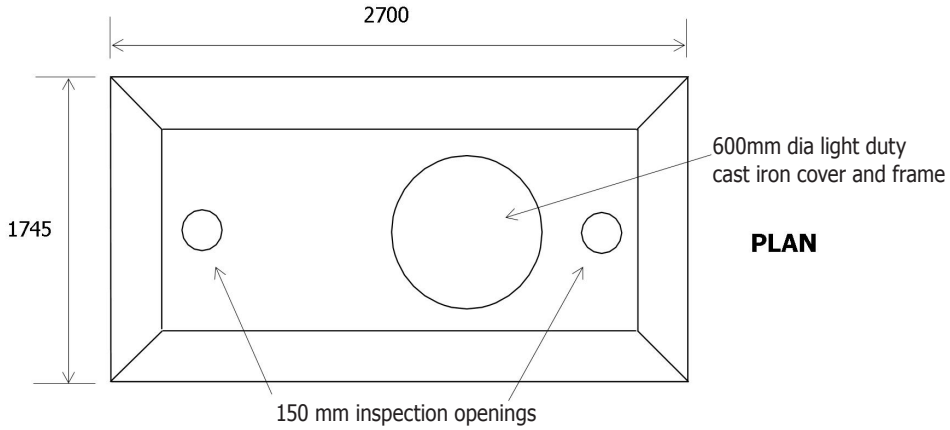
ATSIC Coverslab

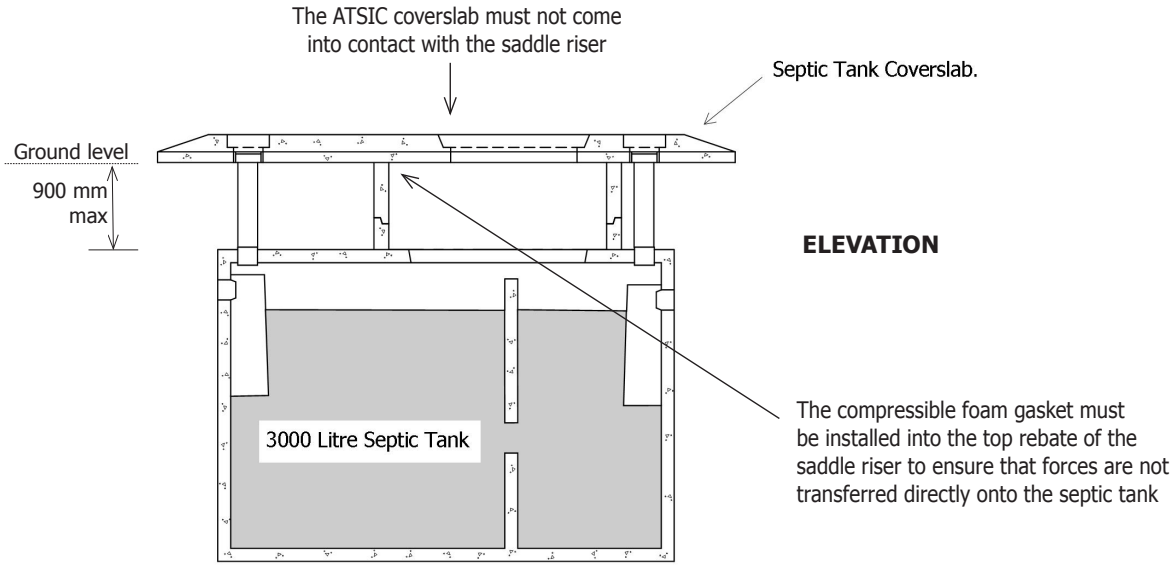
3,000 litre septic tank

Item	Approx mass
Septic tank coverslab	1,800kg

Product information

- Class B - light duty unit for use in areas accessible only by cars and light 4WD vehicles with a gross maximum mass of 2670kg
- Designed to span across the saddle riser bearing onto the ground each side of it

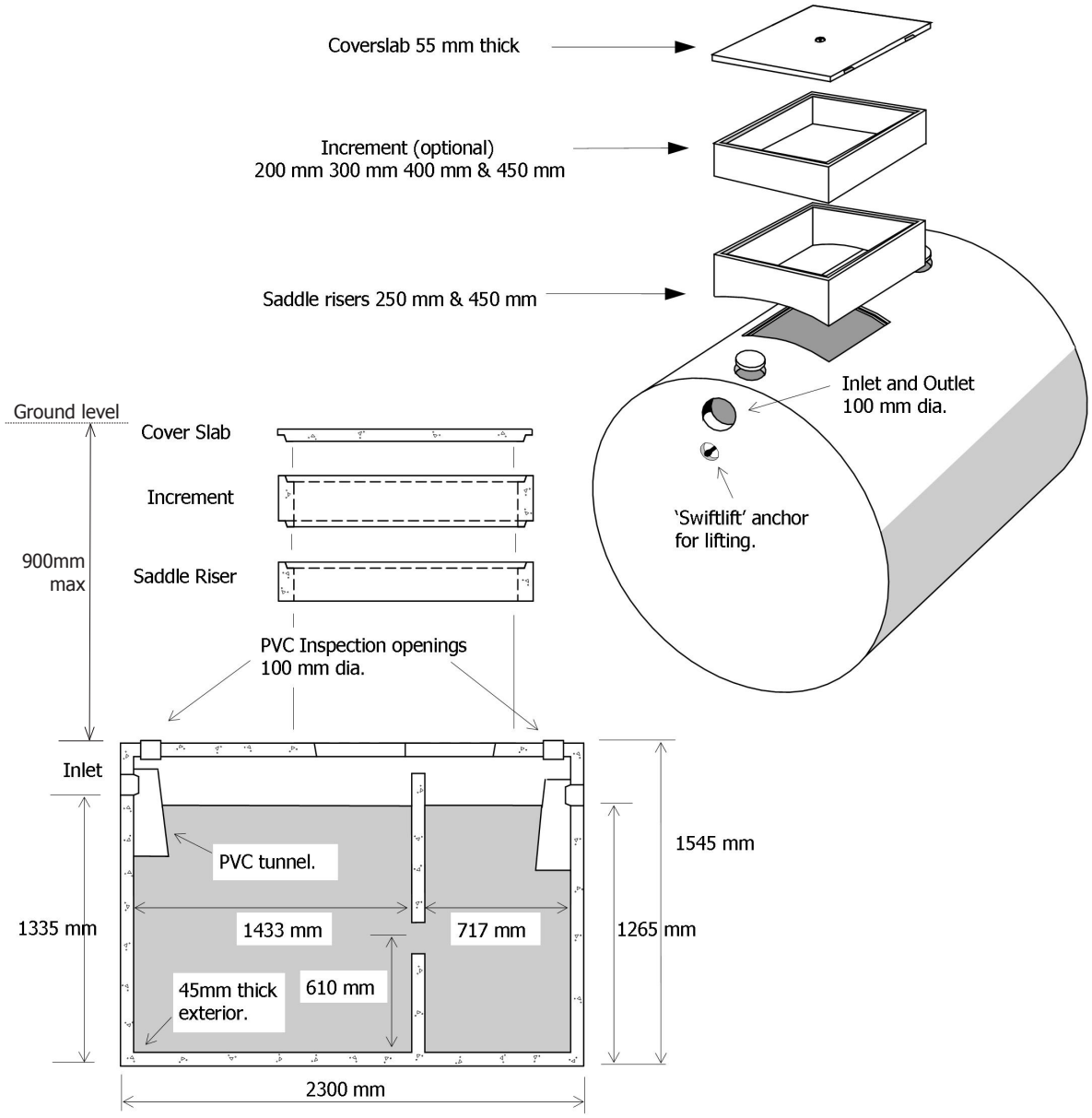




Septic Tank

3,250 litre

Item	Approx mass
3,250 litre septic tank	2,140kg

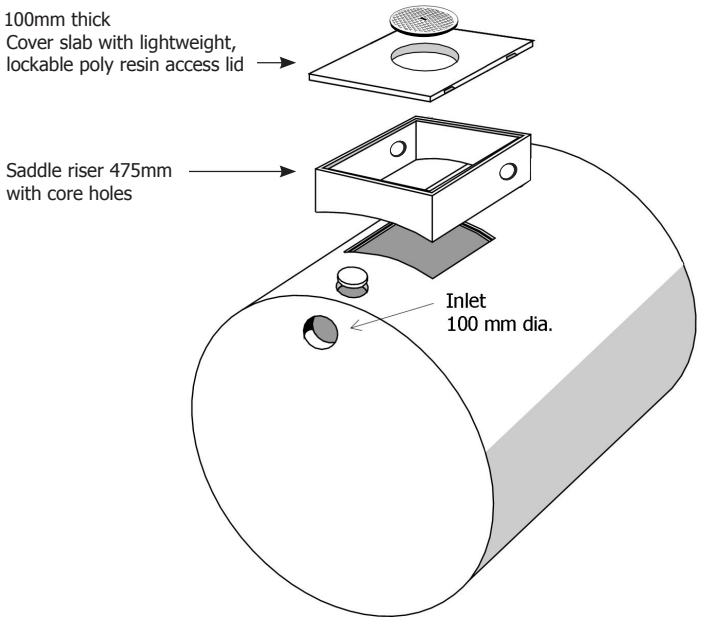


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

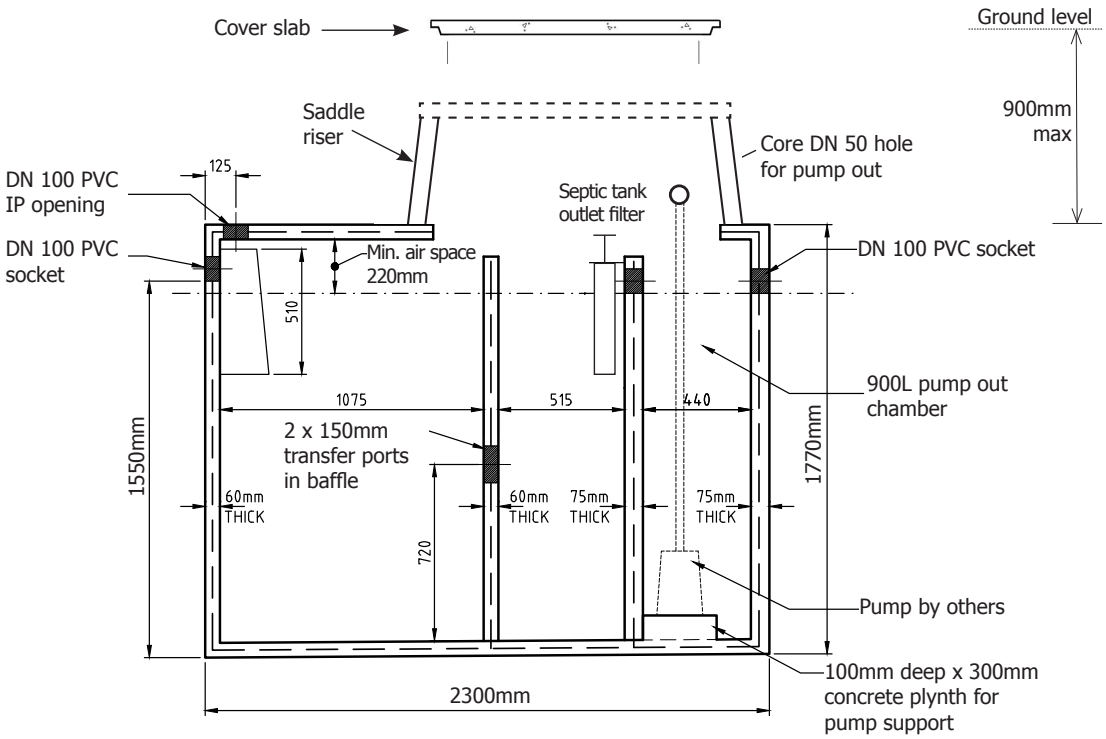
Ri-Scape Tank

3,300 litre with 900L pump chamber

Item	Approx mass
3,300 litre Ri-Scape tank	3,200kg



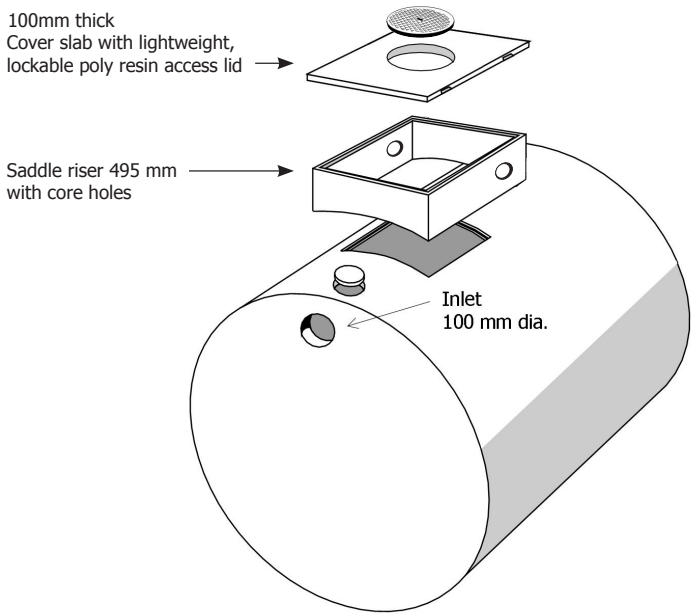
The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.



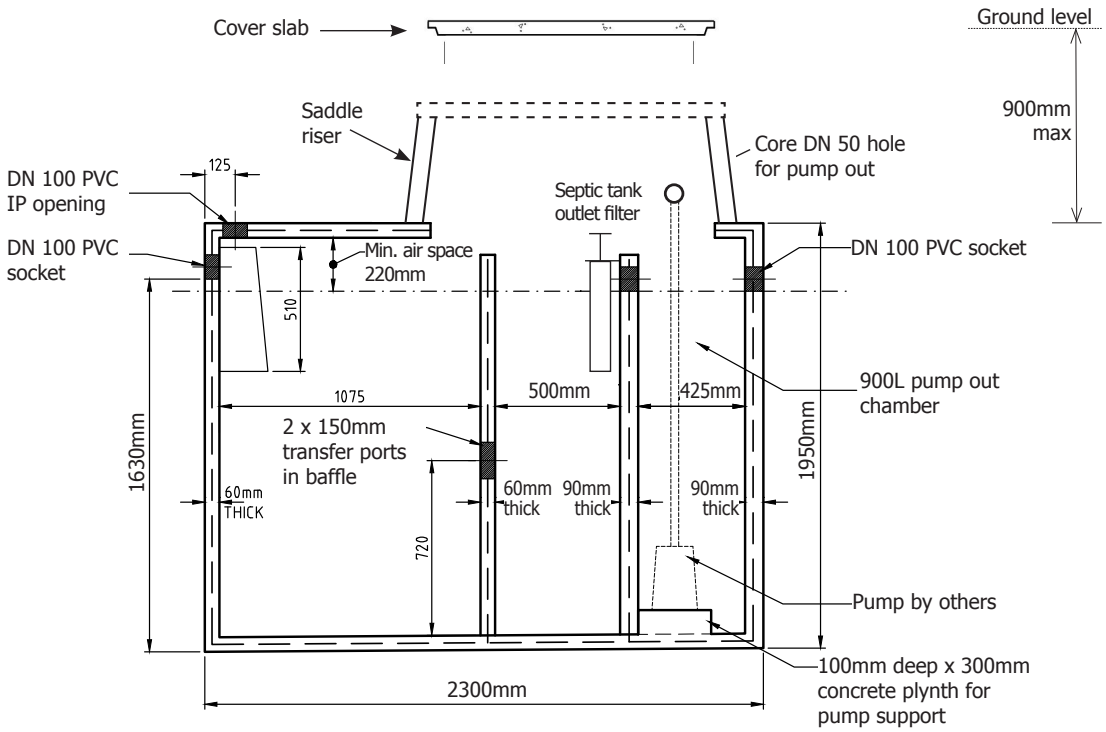
Ri-Scape Tank

4,000 litre with 900L pump chamber

Item	Approx mass
4,000 litre Ri-Scape tank	3,700kg



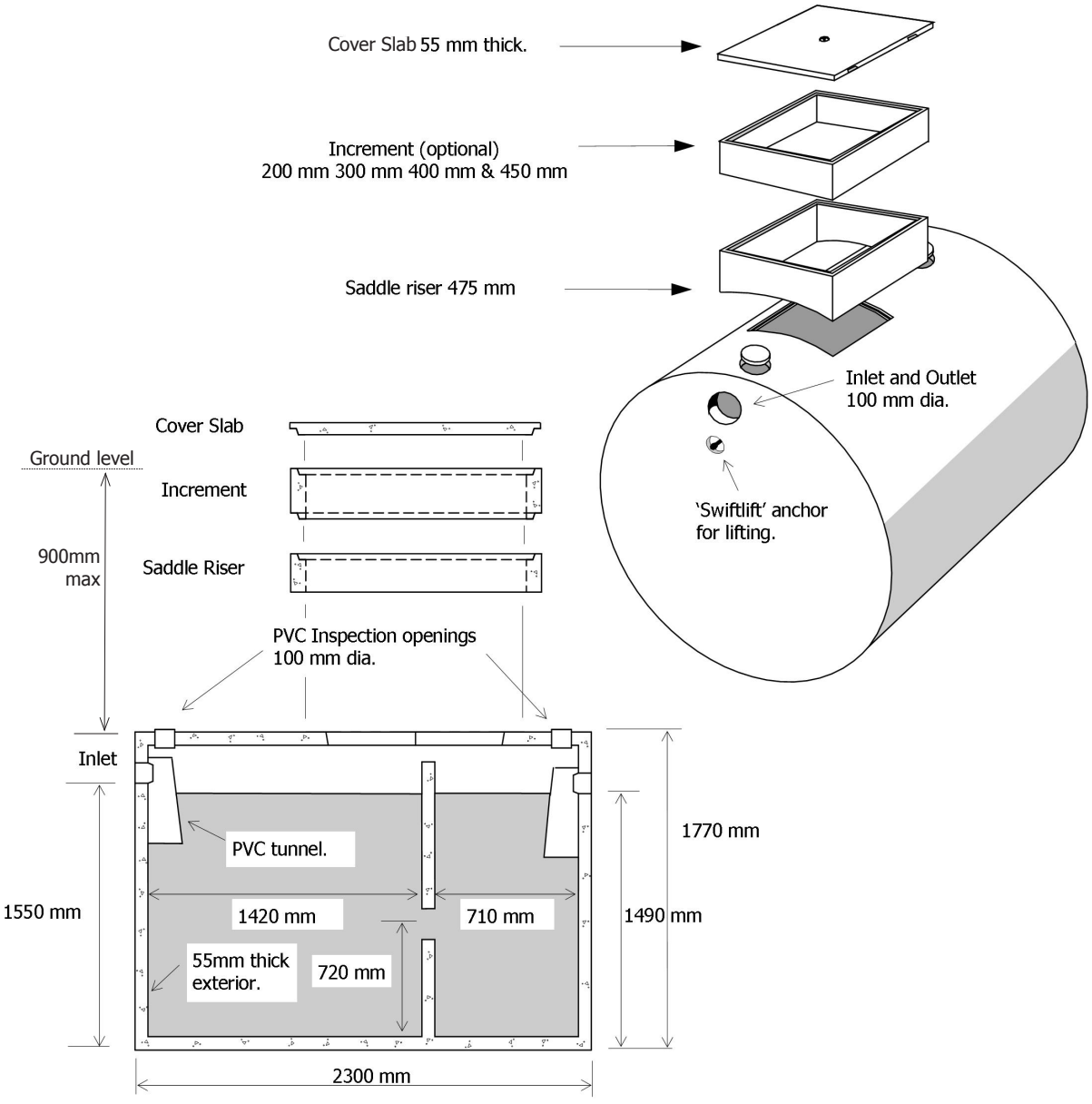
The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.



Septic Tank

4,300 litre

Item	Approx mass
4,300 litre septic tank	2,700kg

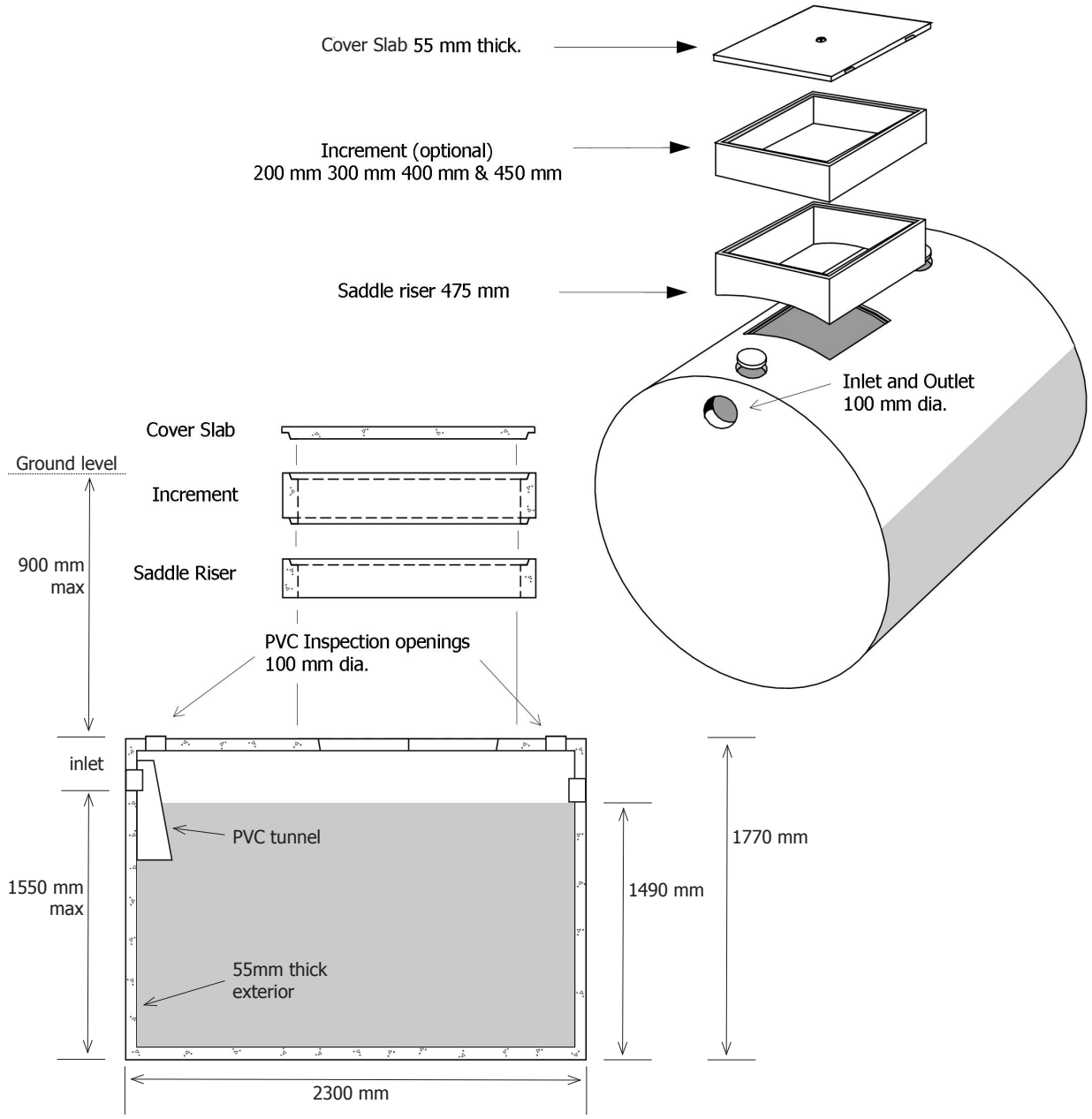


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Holding Tank

4,300 litre

Item	Approx mass
4,300 litre holding tank	2,200kg

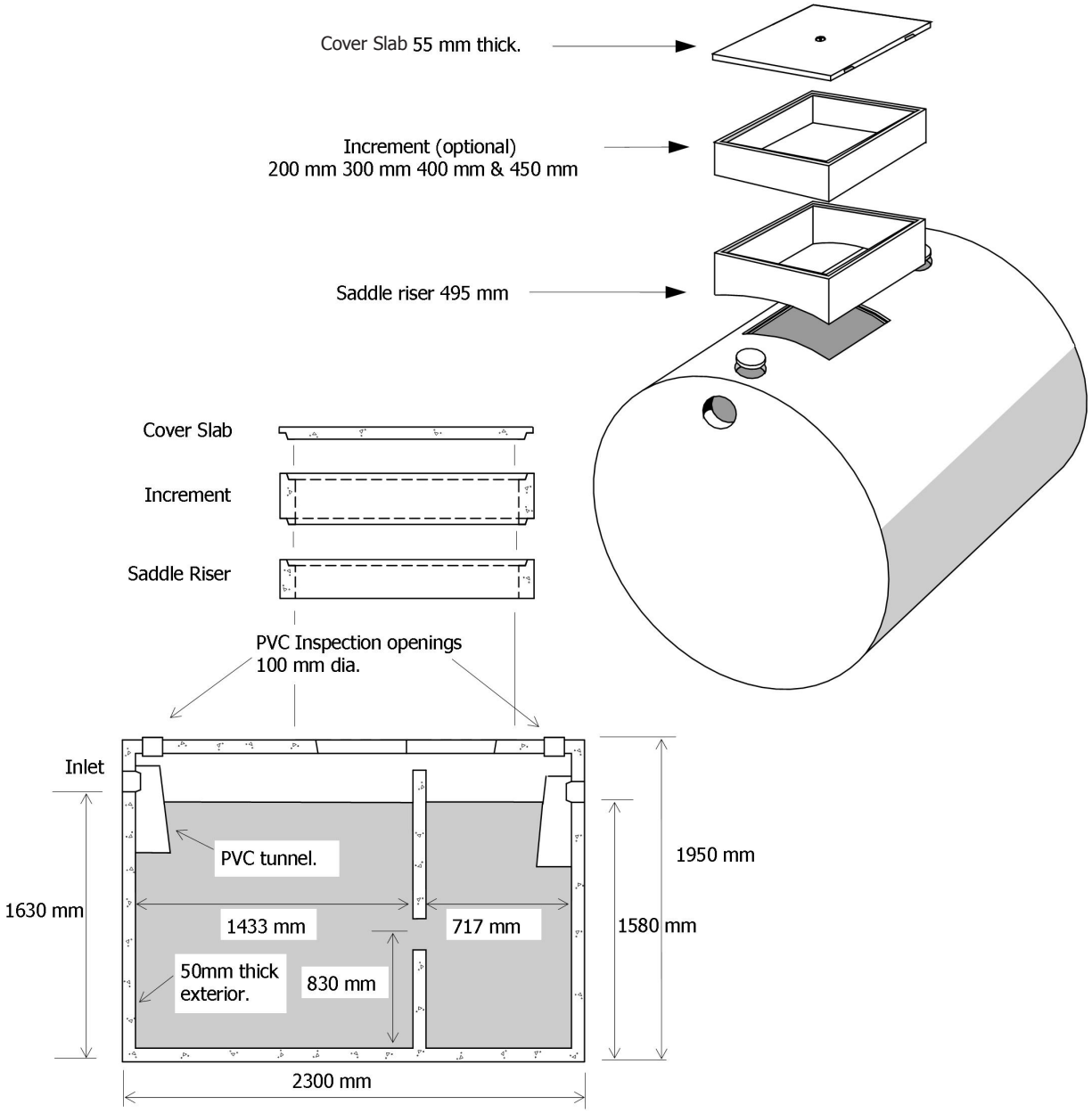


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Septic Tank

5,000 litre

Item	Approx mass
5,000 litre septic tank	3,000kg

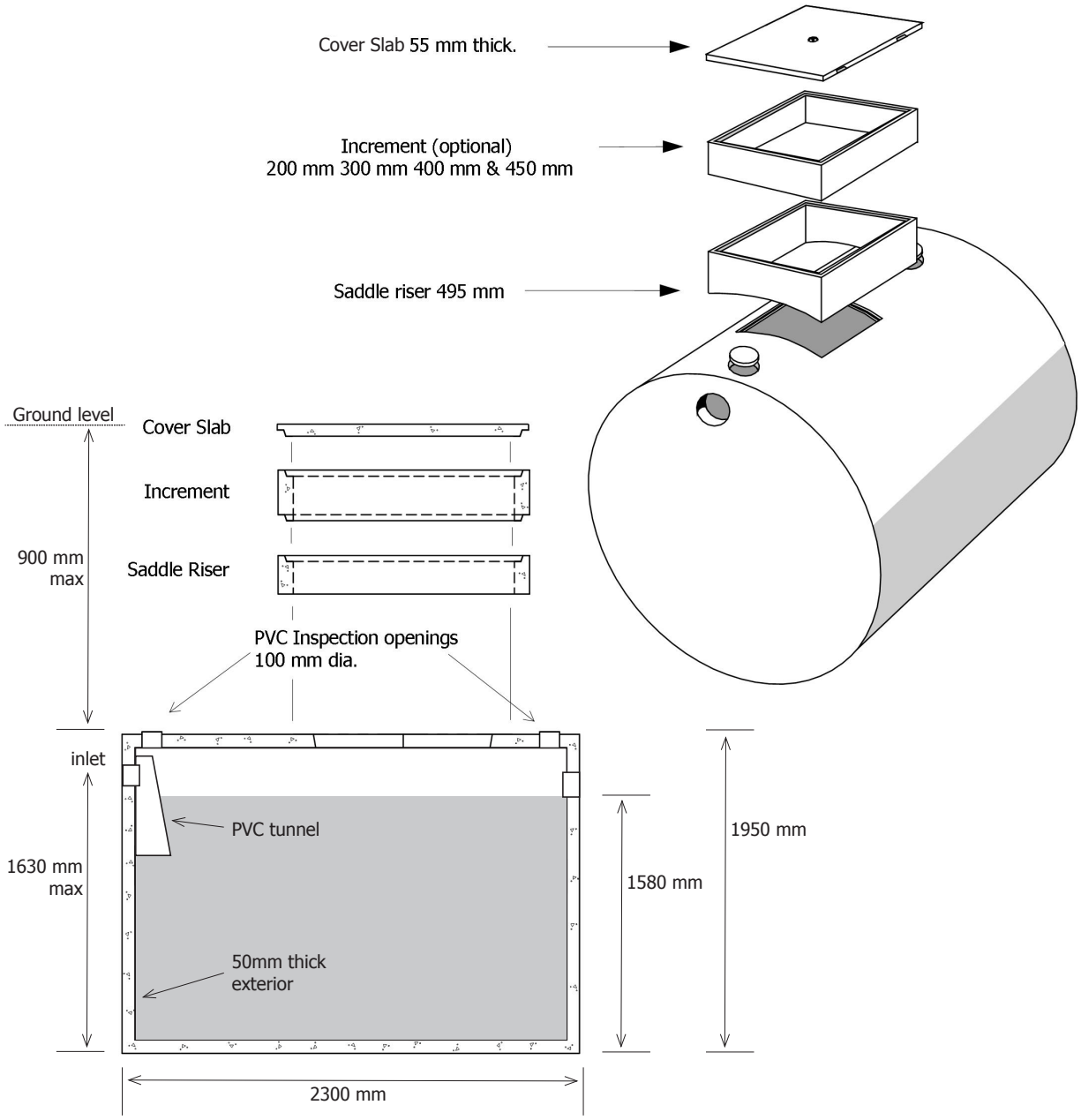


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Holding Tank

5,000 litre

Item	Approx mass
5,000 litre holding tank	2,700kg

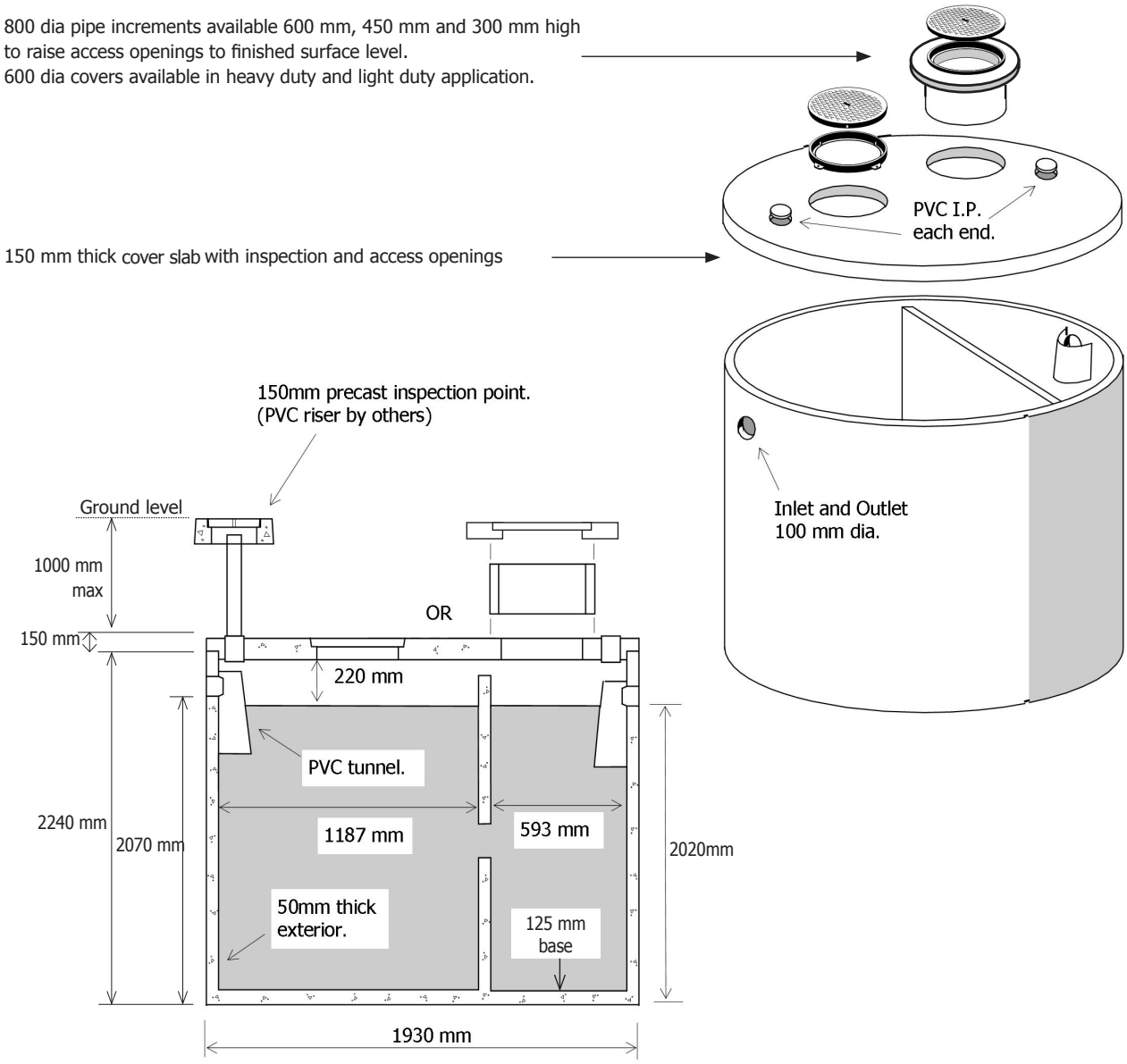


The tanks have been designed to be buried with the top of the tank located 900 mm maximum below ground level and with the cover slab at ground level.

Non-trafficable Vertical Septic Tank

5,000 litre

Item	Approx mass
5,000 litre vertical septic tank base with baffle	3,500kg
5,000 litre vertical septic tank lid	1,200kg



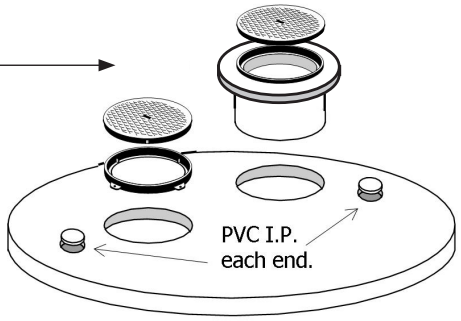
The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Vertical Septic Tank

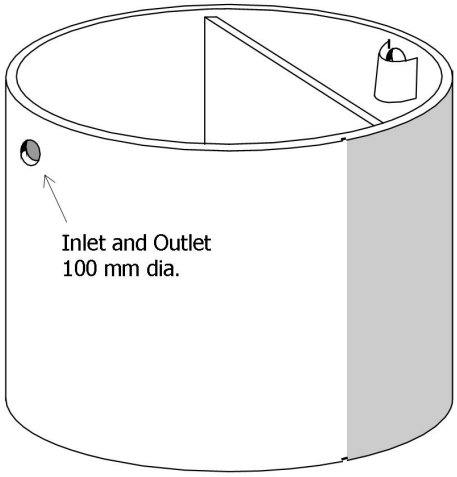
5,000 litre

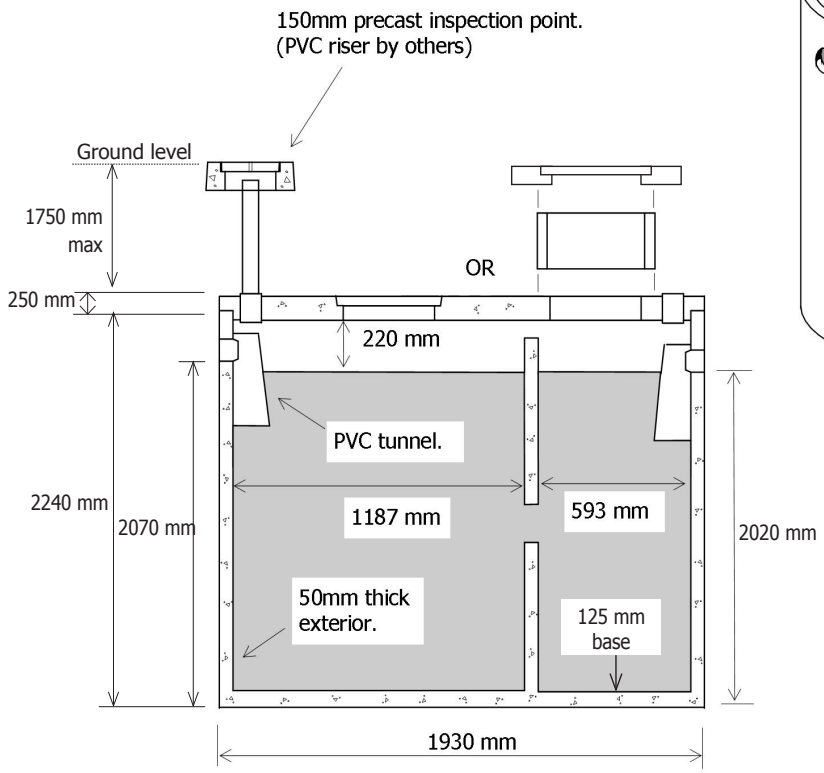
Item	Approx mass
5,000 litre vertical septic tank base with baffle	3,500kg
5,000 litre vertical septic tank lid	2,000kg

800 dia pipe increments available 600 mm, 450 mm and 300 mm high to raise access openings to finished surface level.
600 dia covers available in heavy duty and light duty application.



250 mm thick cover slab with inspection and access openings



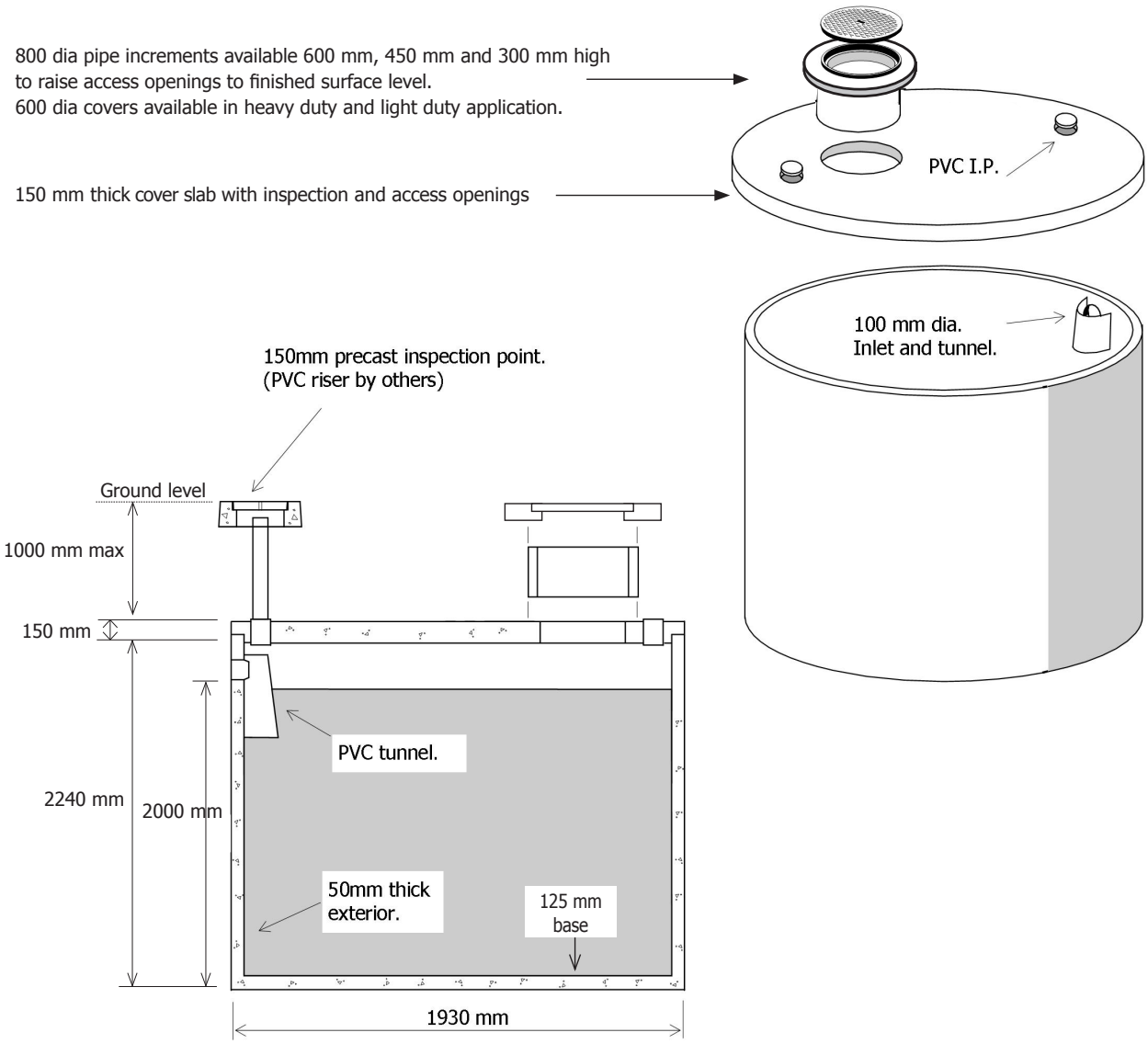


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-trafficable Vertical Holding Tank

5,000 litre

Item	Approx mass
5,000 litre vertical holding tank base	3,000kg
5,000 litre vertical holding tank lid	1,100kg

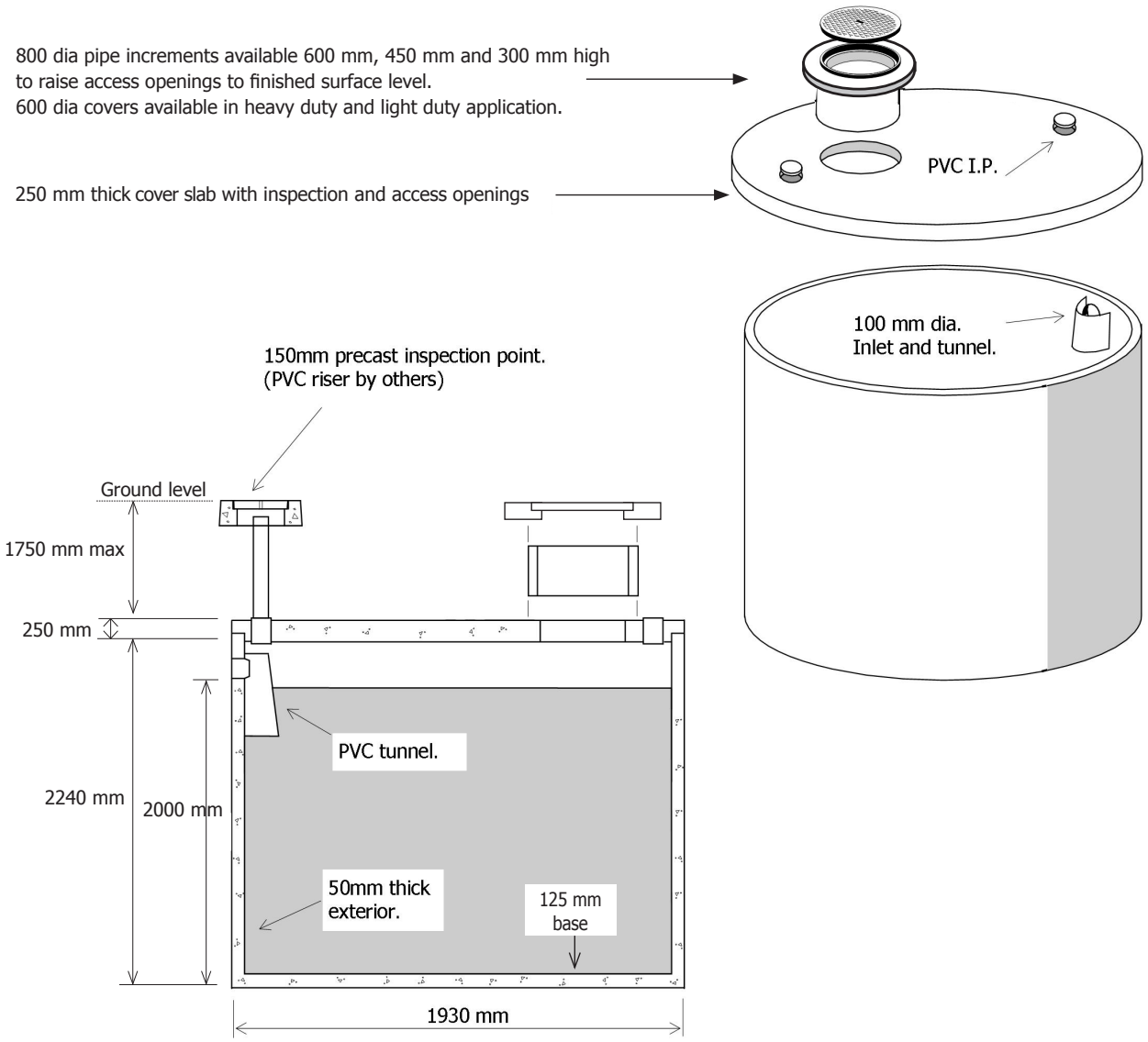


The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Vertical Holding Tank

5,000 litre

Item	Approx mass
5,000 litre vertical holding tank base	3,000kg
5,000 litre vertical holding tank lid	1,850kg

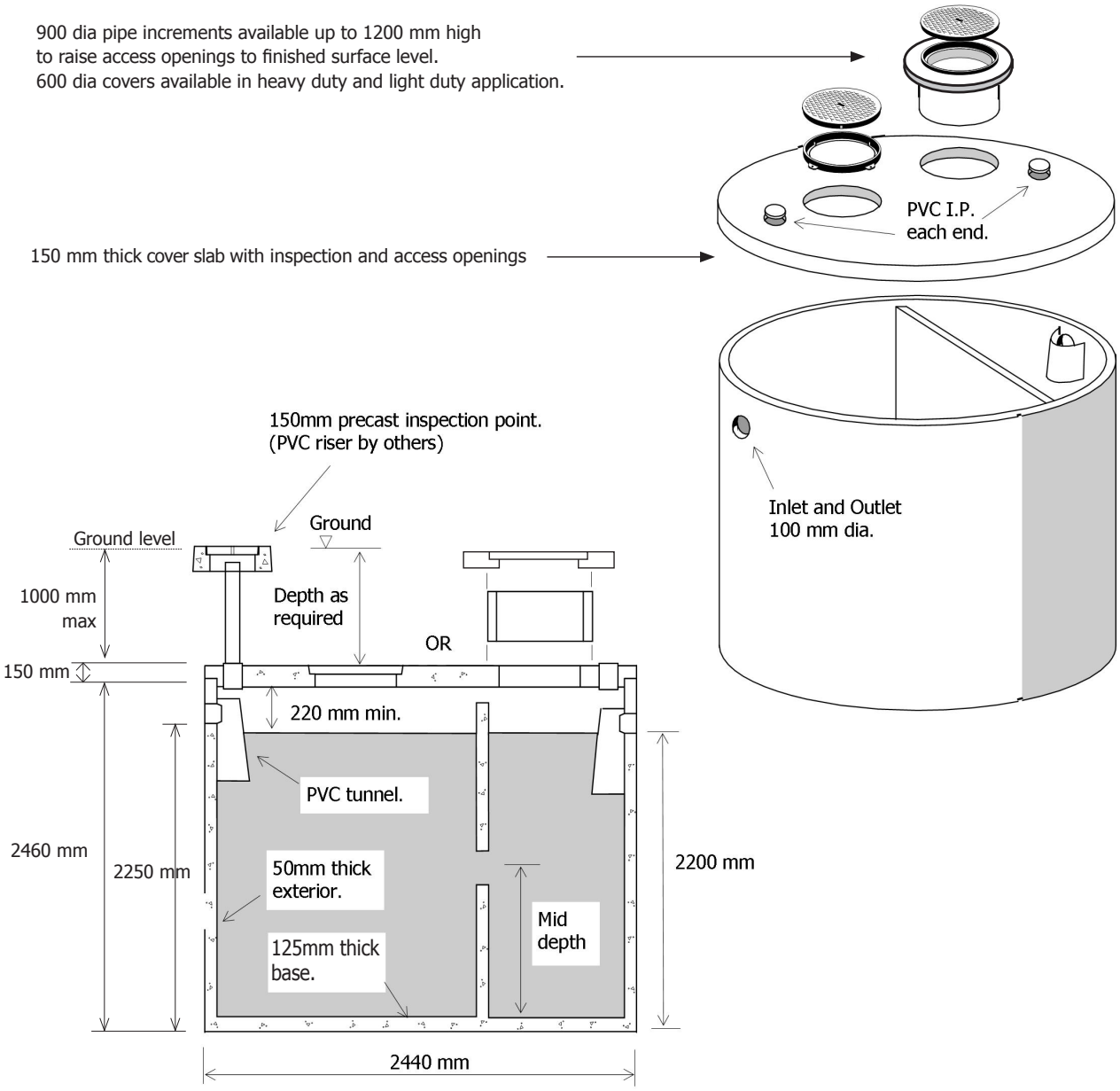


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-trafficable Septic Tank

8,000 litre

Item	Approx mass
8,000 litre vertical septic tank base with baffle	4,850kg
8,000 litre vertical septic tank lid	1,800kg

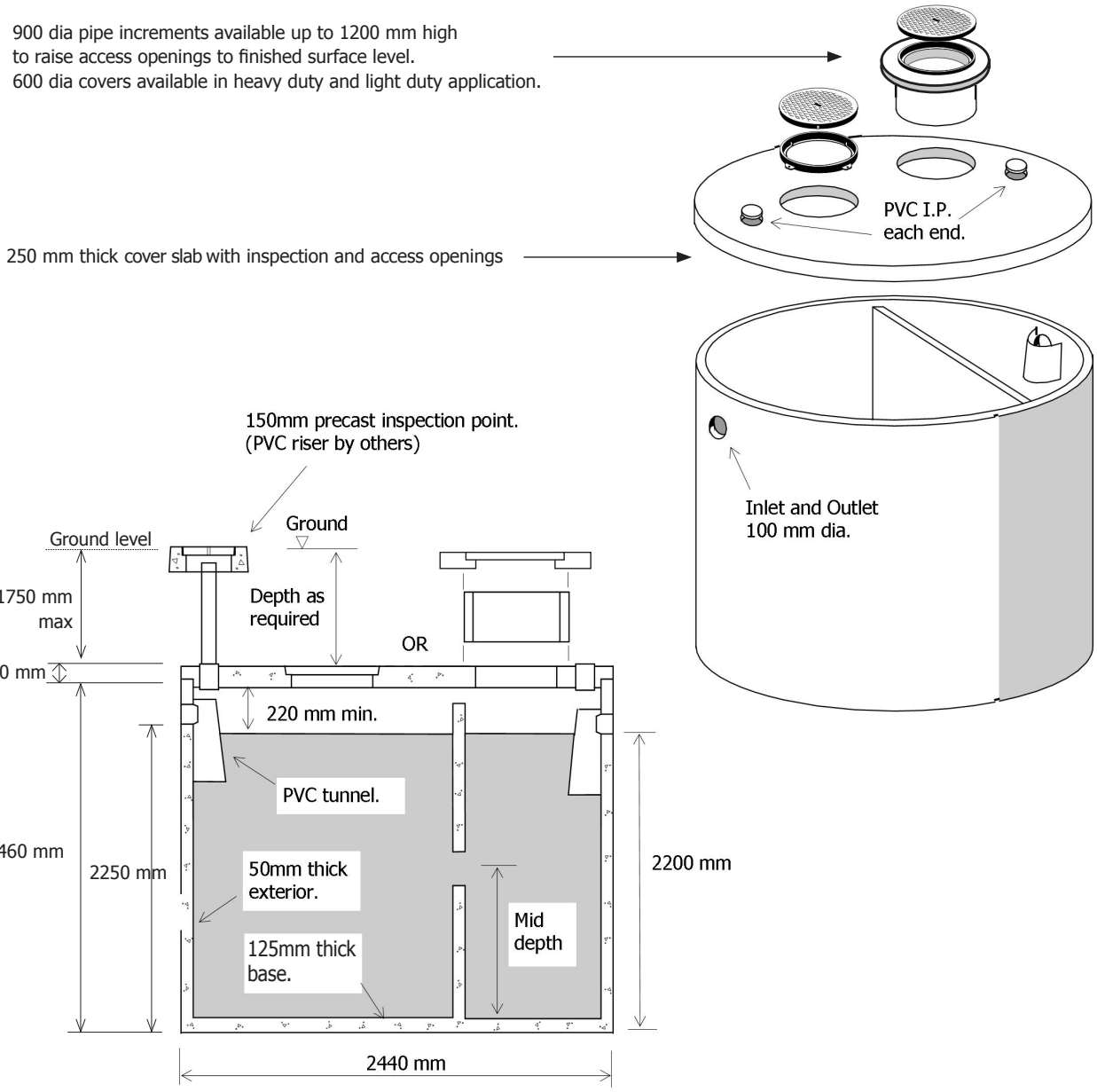


The non-trafficable cover slabs (150mm thick) have been designed to be buried a maximum of 1000mm below ground level.

Trafficable Septic Tank

8,000 litre

Item	Approx mass
8,000 litre vertical septic tank base with baffle	4,850kg
8,000 litre vertical septic tank lid	3,000kg

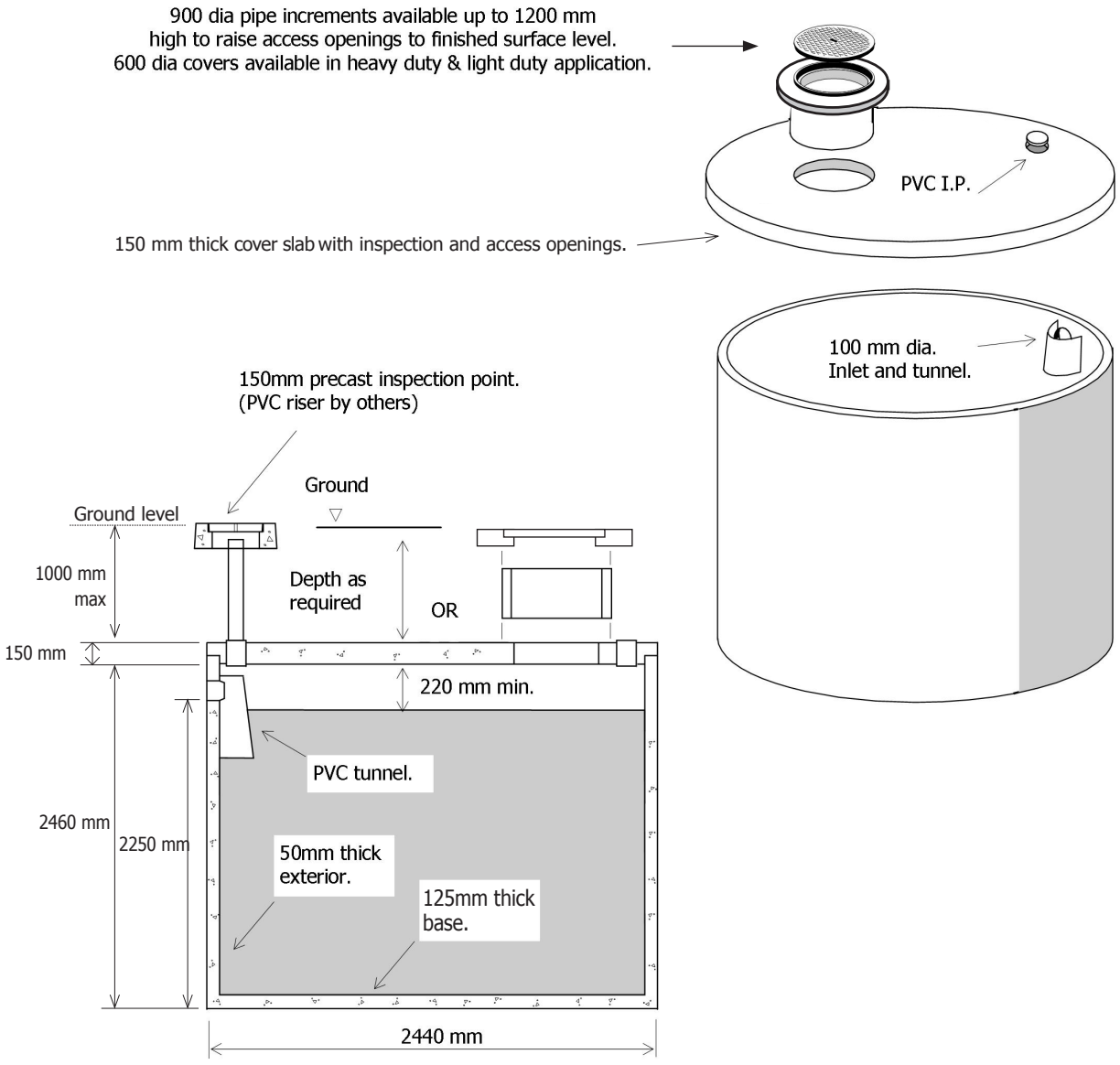


The trafficable cover slabs (250mm thick) have been designed to be buried a maximum of 1750mm below ground level.

Non-Trafficable Vertical Holding Tank

8,000 litre

Item	Approx mass
8,000 litre vertical holding tank base	4,000kg
8,000 litre vertical holding tank lid	1,800kg

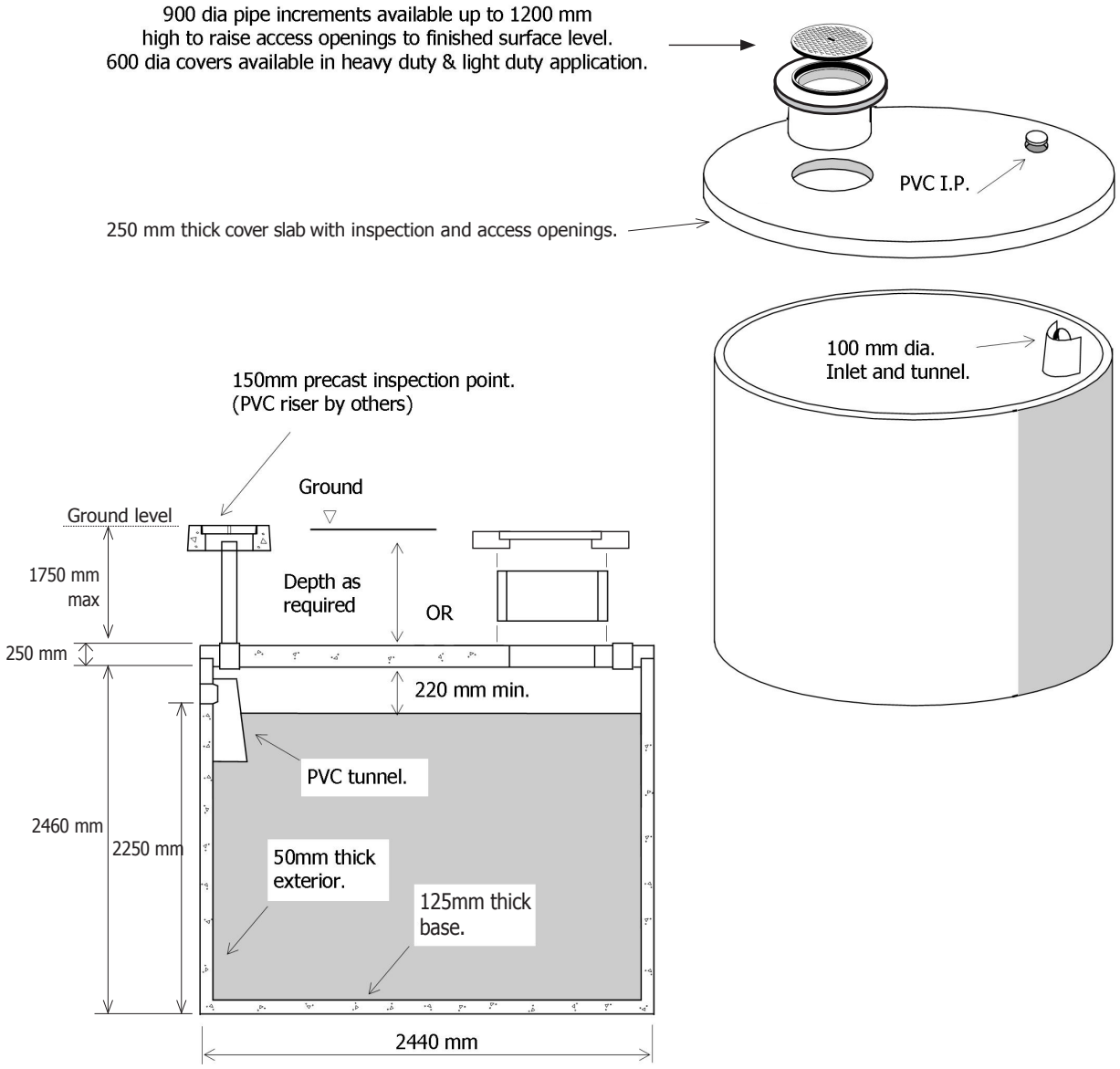


The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Vertical Holding Tank

8,000 litre

Item	Approx mass
8,000 litre vertical holding tank base	4,000kg
8,000 litre vertical holding tank lid	2,900kg

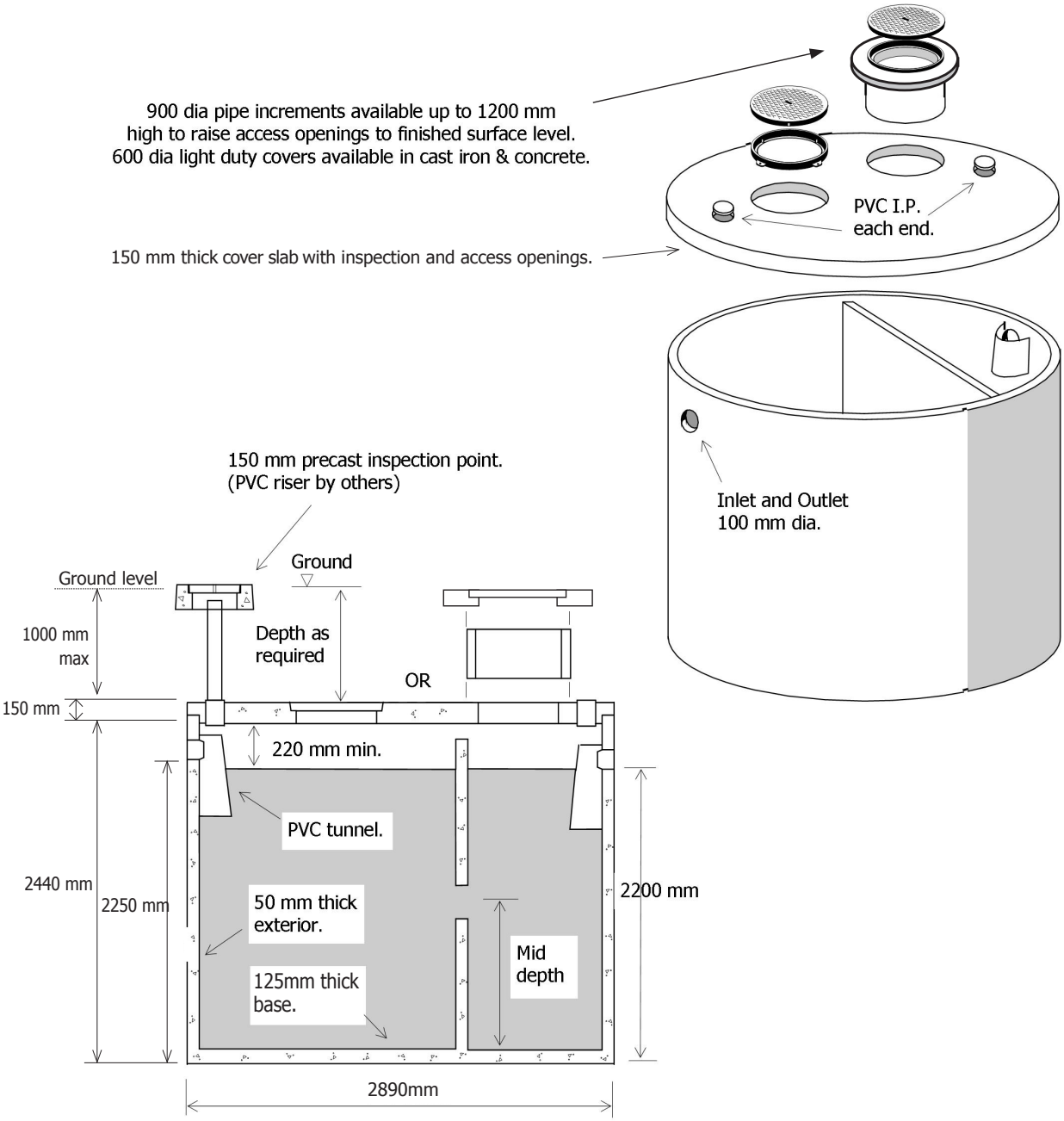


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-trafficable Septic Tank

12,000 litre

Item	Approx mass
12,000 litre vertical septic tank base with baffle	6,300kg
12,000 litre vertical septic tank lid	2,500kg



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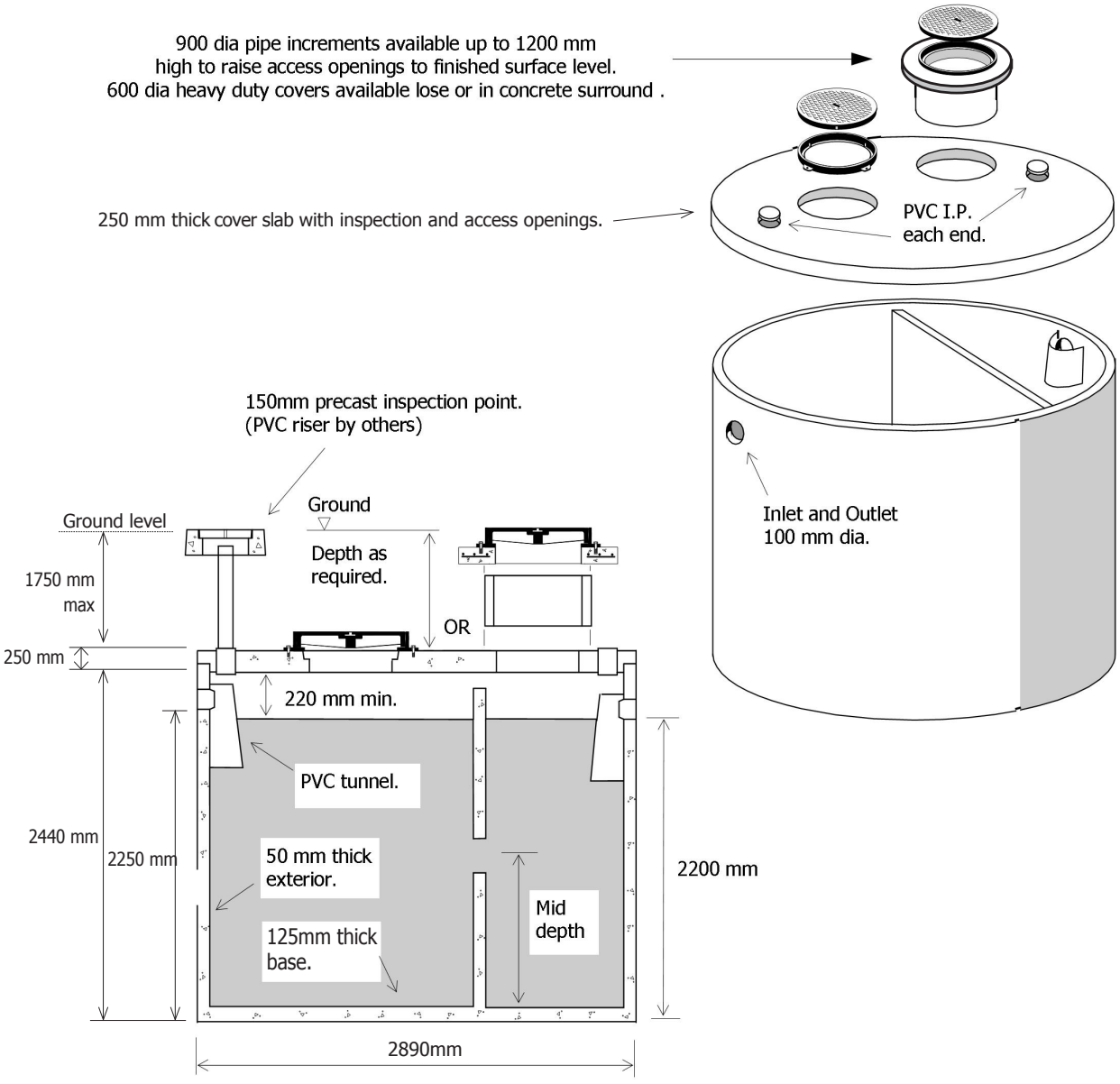
Trafficable Septic Tank

12,000 litre

Item	Approx mass
12,000 litre vertical septic tank base with baffle	6,300kg
12,000 litre vertical septic tank lid	3,850kg

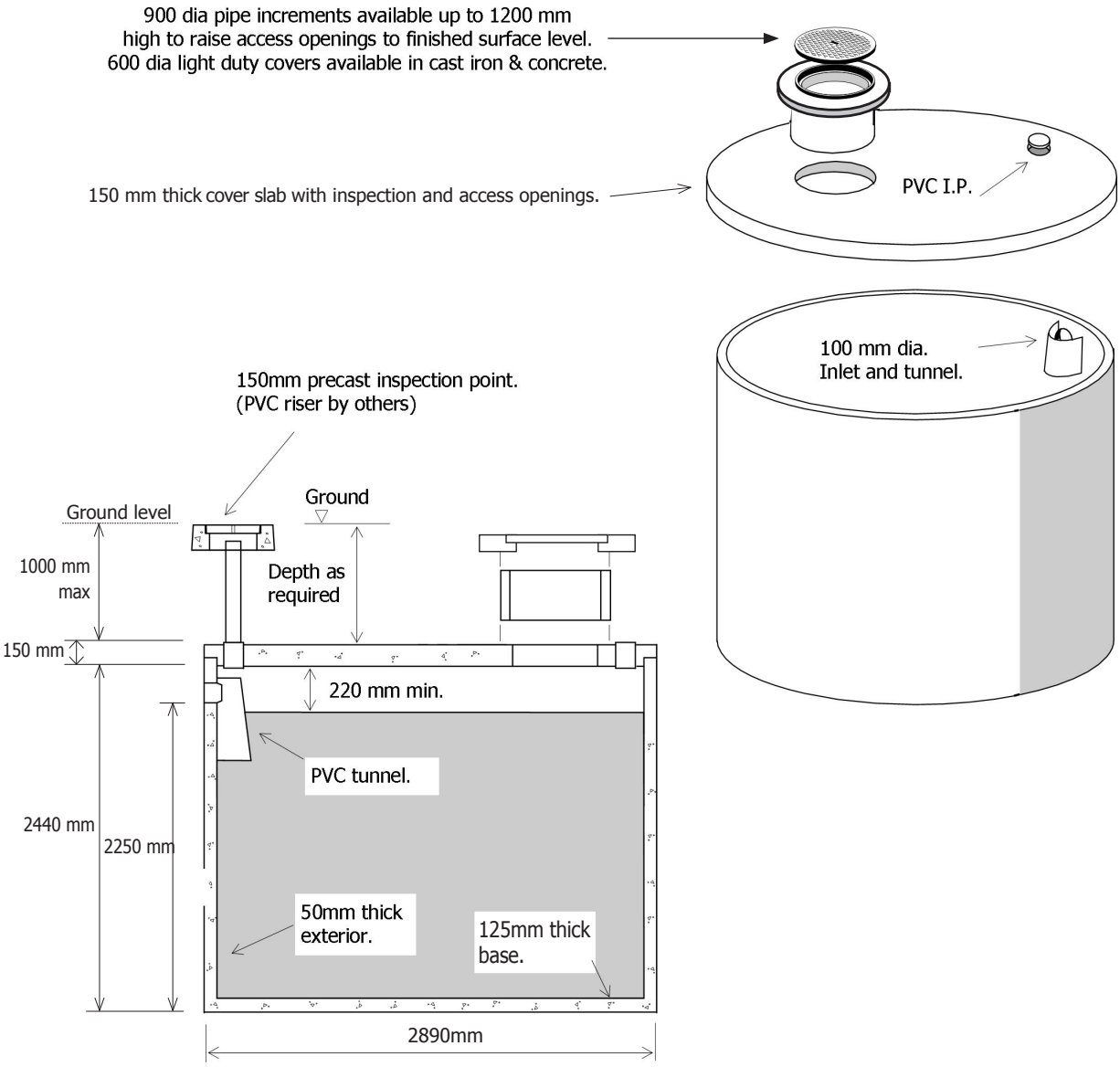


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-Trafficable Vertical Holding Tank

12,000 litre

Item	Approx mass
12,000 litre vertical holding tank base	5,300kg
12,000 litre vertical holding tank lid	2,450kg

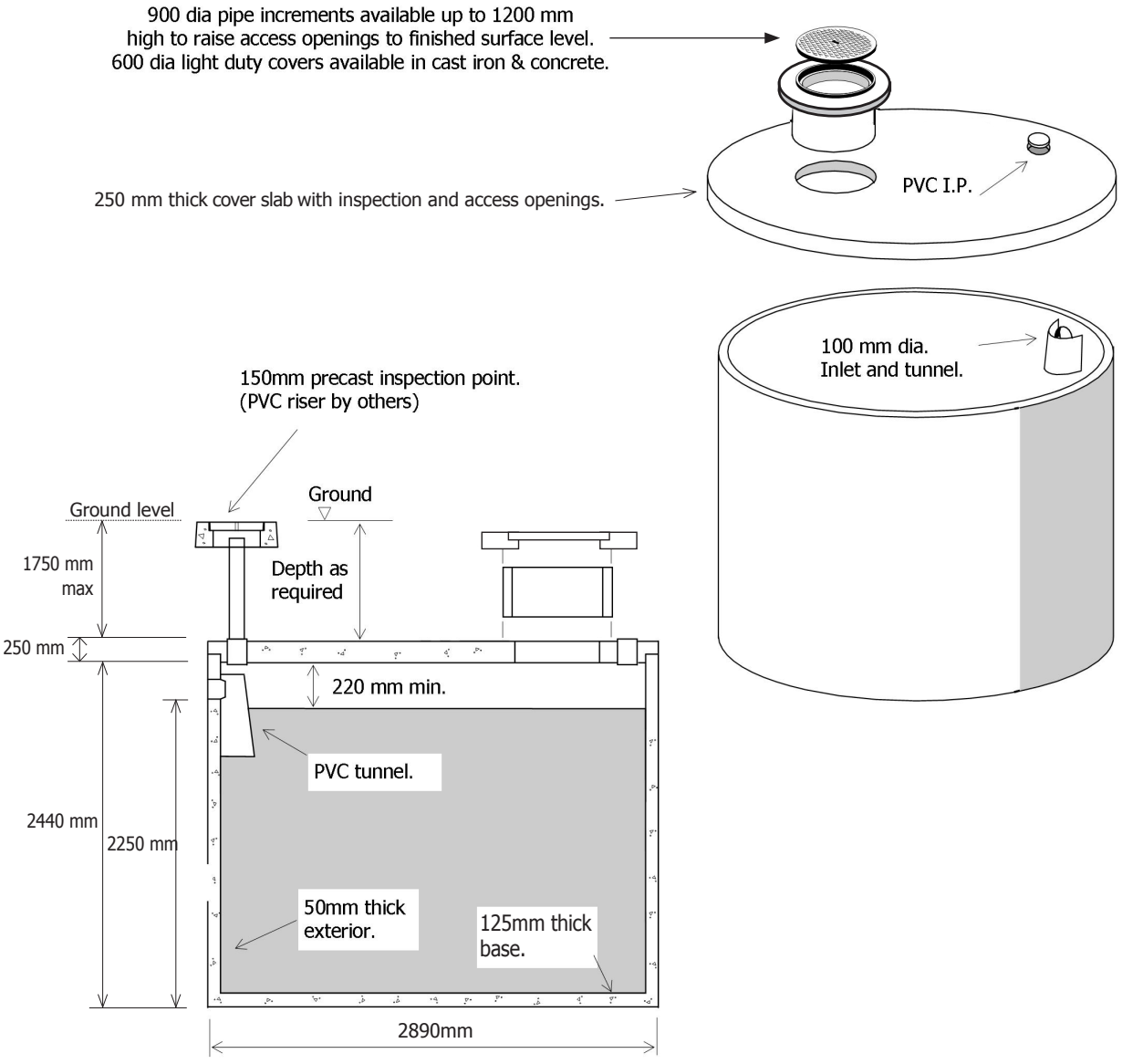


The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Vertical Holding Tank

12,000 litre

Item	Approx mass
12,000 litre vertical holding tank base	5,300kg
12,000 litre vertical holding tank lid	3,800kg

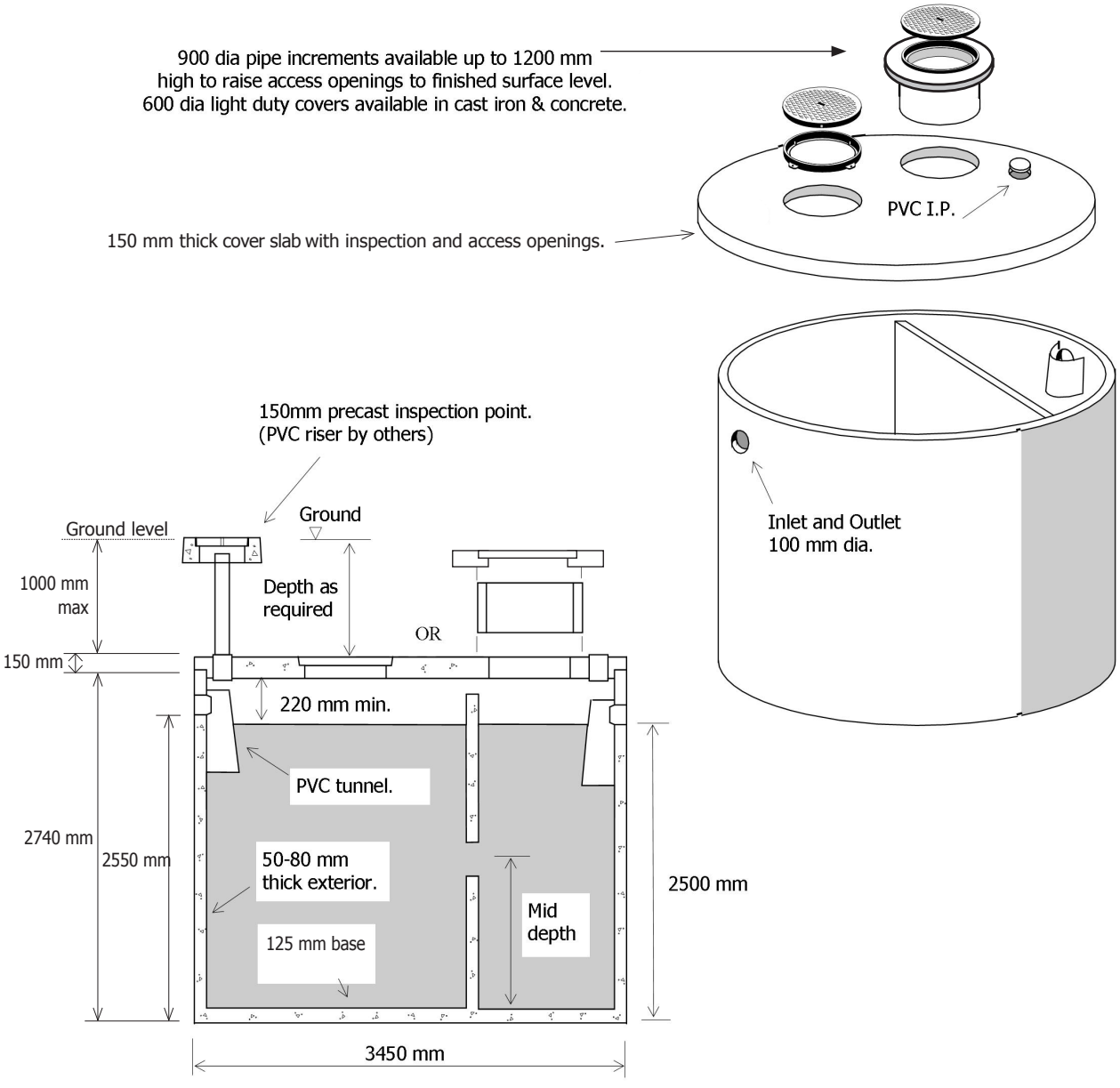


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-trafficable Septic Tank

20,000 litre

Item	Approx mass
20,000 litre vertical septic tank base with baffle	9,400kg
20,000 litre vertical septic tank lid	3,300kg



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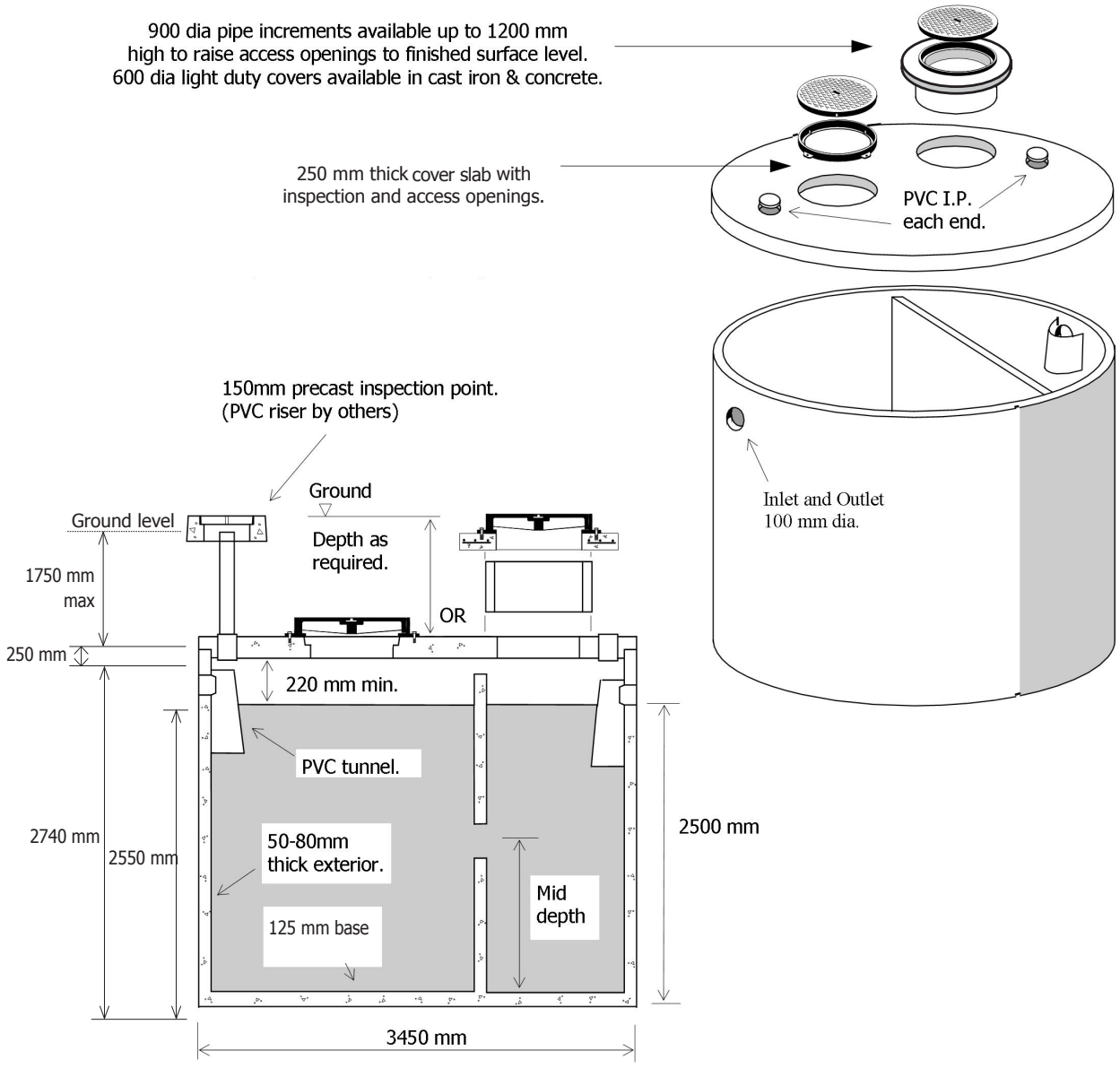
Trafficable Septic Tank

20,000 litre

Item	Approx mass
20,000 litre vertical septic tank base with baffle	9,400kg
20,000 litre vertical septic tank lid	5,800kg

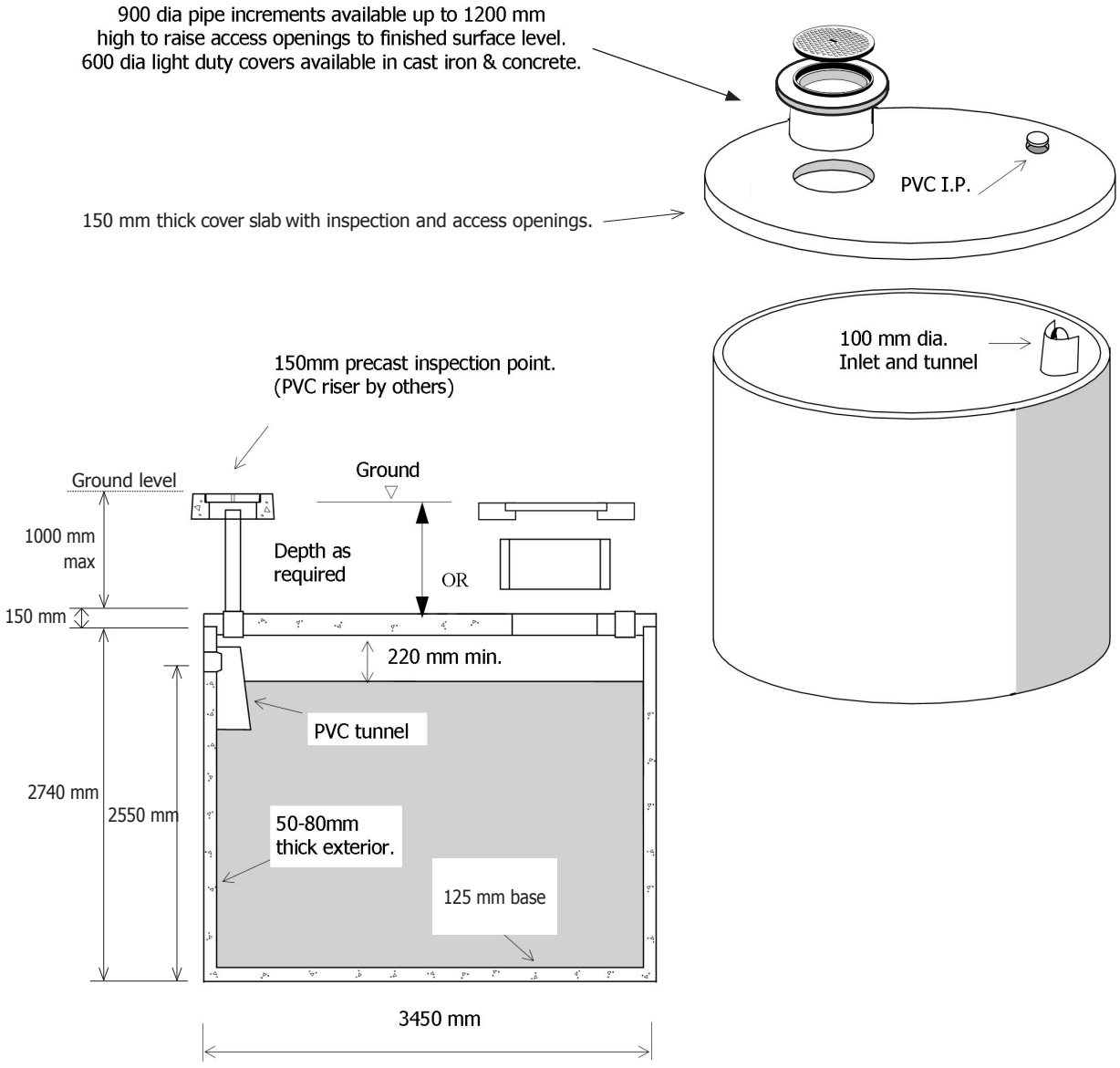


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-Trafficable Vertical Holding Tank

20,000 litre

Item	Approx mass
20,000 litre vertical holding tank base	7,500kg
20,000 litre vertical holding tank lid	3,300kg

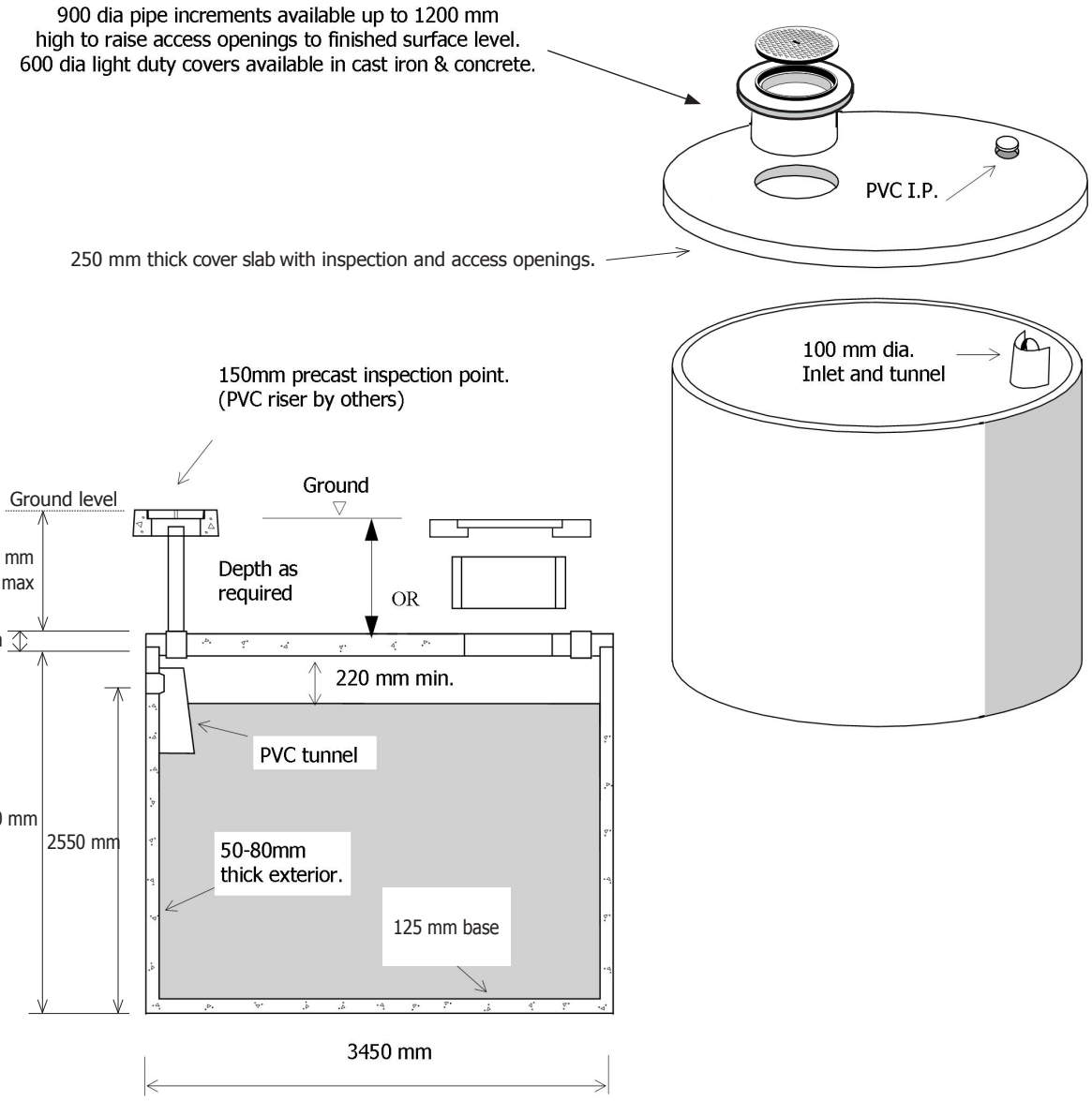


The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Vertical Holding Tank

20,000 litre

Item	Approx mass
20,000 litre vertical holding tank base	7,500kg
20,000 litre vertical holding tank lid	5,800kg



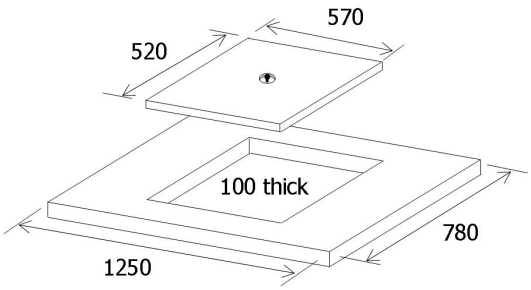
The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Saddle Risers, Increments & Cover Slabs

Product information

- To suit all horizontal septic and holding tanks
- Cover slabs suitable for pedestrian traffic only
- Radius of saddle riser varies to suit tank
- Each component fitted with 1.3t 'Swiftlift' anchors for lifting

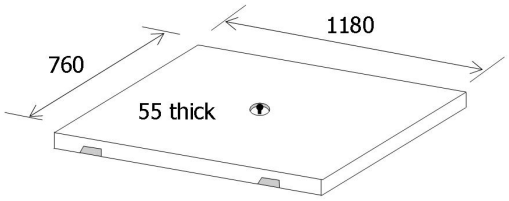
TYPE 34



Weight - 192kg

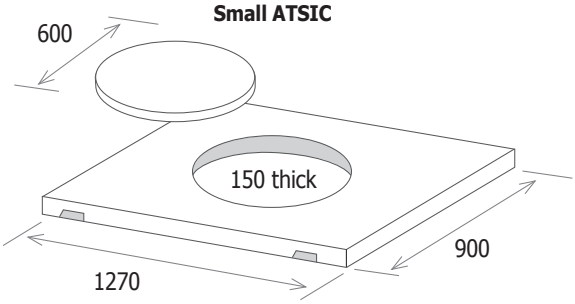
TYPE 33

Suitable for all other horizontal tanks.

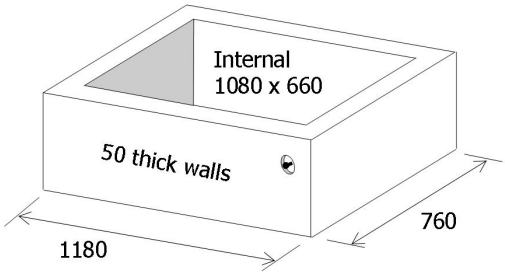


Weight - 100kg

Small ATSIC

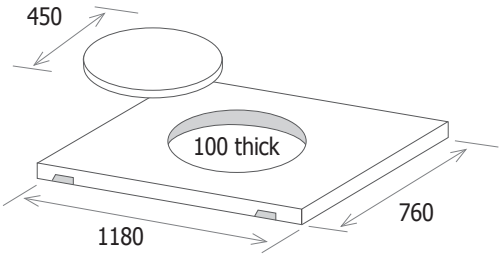


Weight - 340kg

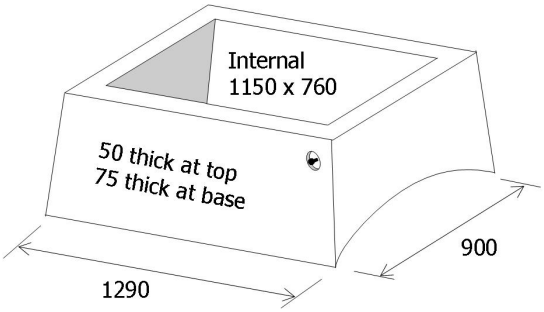


200 mm - weight 86kg
300 mm - weight 124kg
400 mm - weight 166kg
450 mm - weight 188kg

Ri Scape Lid



Weight - 180kg

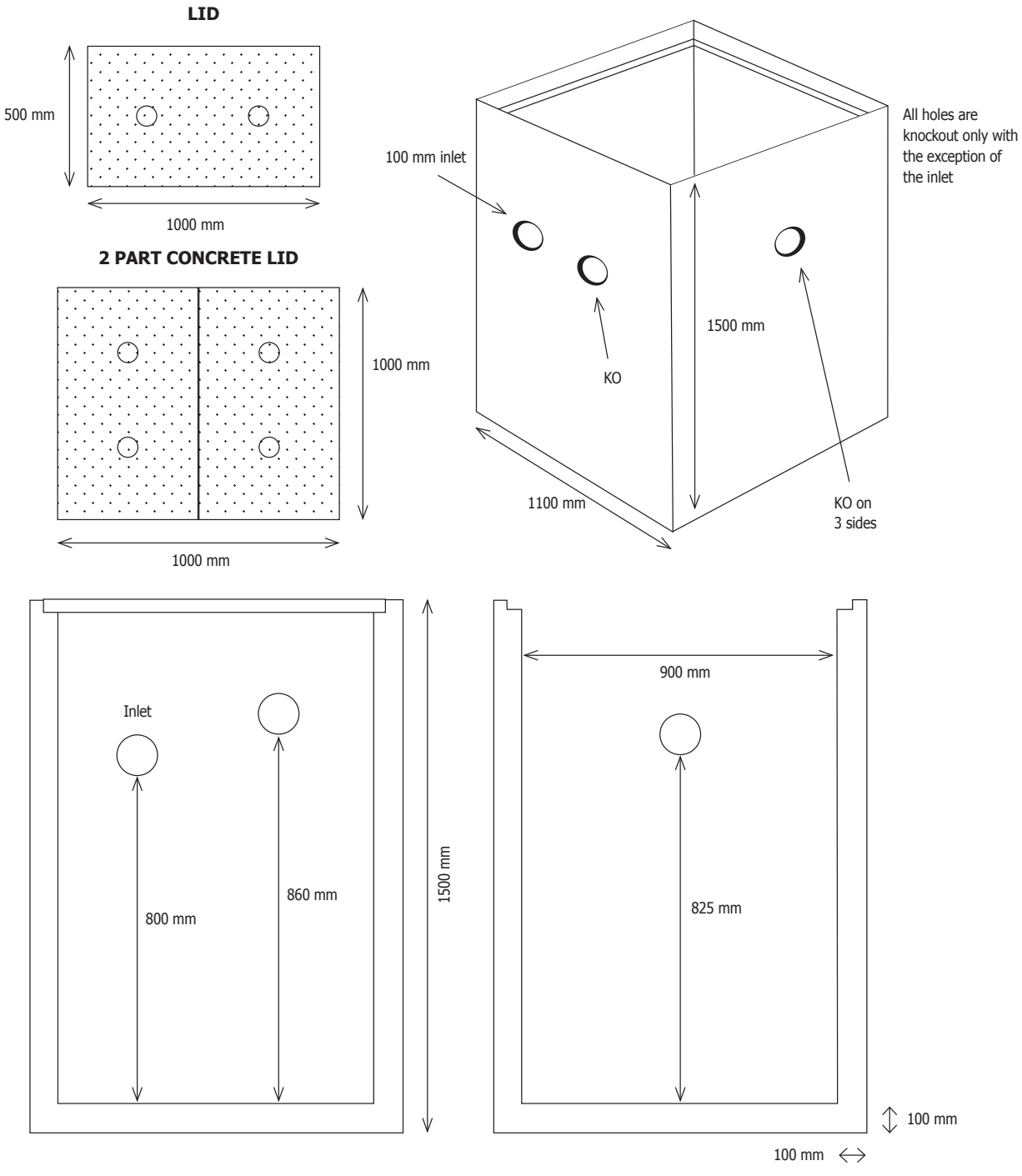


250 mm - weight 235kg
450 mm - weight 320kg
475 mm (4,300 litre) - weight 320kg
495 mm (5,000 litre) - weight 335kg

Precast Pump Chamber

1,100 litre

Item	Approx mass
1,100 litre precast pump chamber	1,790kg
Product information	
Constructed using concrete with plastic fibre	

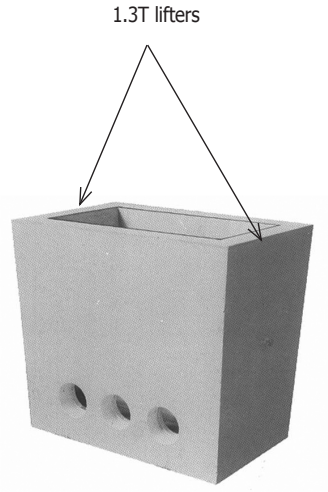


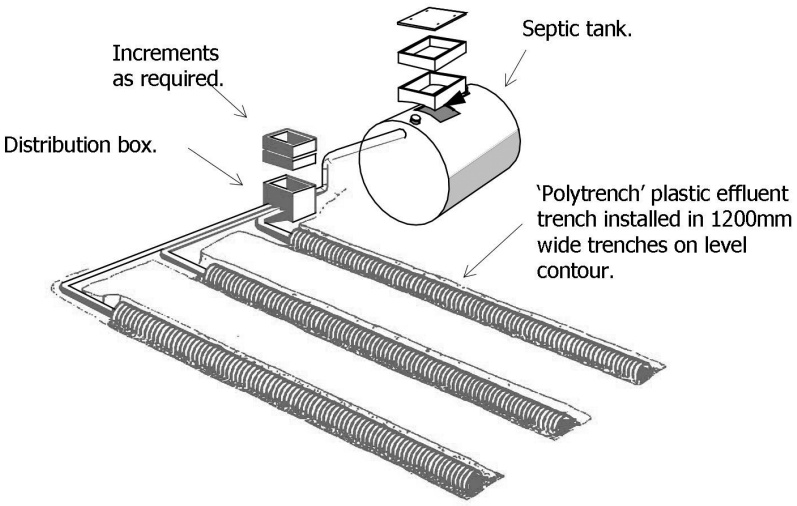
Distribution Box

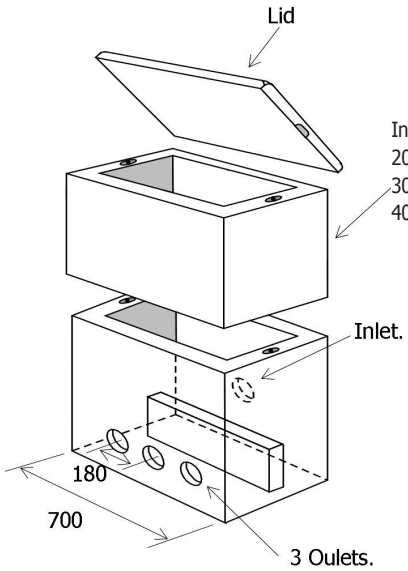
Item	Approx Mass
Distribution box with lid	150kg
Lid only	35kg

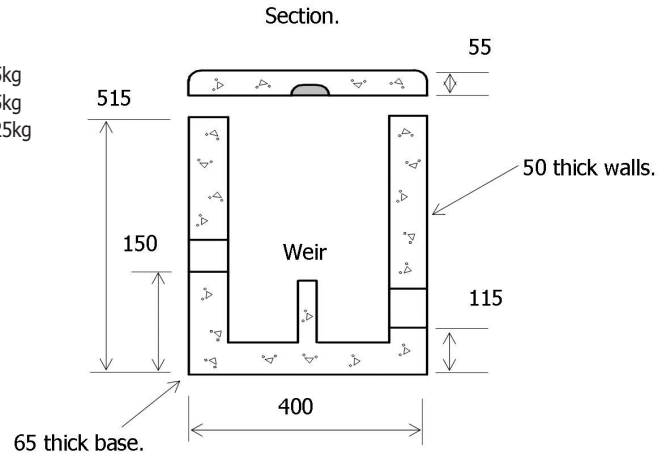
Product information

- Precast reinforced concrete box fitted with 100mm diam PVC inlet and outlet collars
- Box and increments fitted with 'Swiftlift' anchors for lifting
- Approved by SA Health
- Available in both 1 in 3 out or 1 in 4 out









Polytrench Plastic Effluent Trench

- The plumber's choice for septic tank or stormwater drainage in unserviced areas
- A simple, economical and fast way to lay effluent trench
- Premium grade high density polypropylene with UV filter injected to give high impact strength
- Lapping joint
- Specially designed slots on either side allow the water to penetrate into the surroundings but retain the settled sludge within the Polytrench, ensuring longer life
- End caps available

General installation information

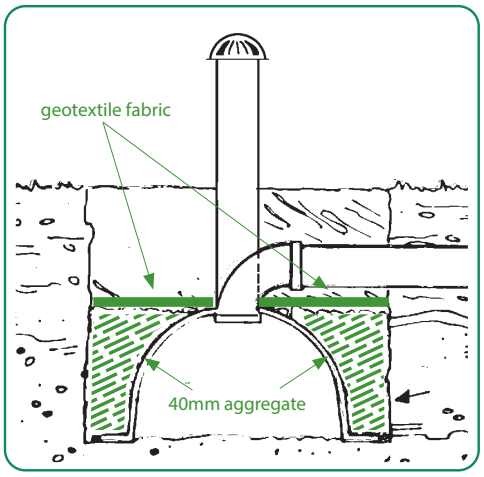
Check with SA Health before starting to lay Polytrench.

1. On a level contour excavate a trench to the required length, 1,200mm wide and to the required depth below the end of the septic tank outlet pipe. Ensure that the trench bottom is level.
2. Lay the interconnecting units centrally in the excavation (fit moulded end caps to the end of each run).
3. Connect the tank outlet pipe into the top of the first piece of Polytrench.
4. Backfill with 40mm aggregate to the top of the Polytrench ensuring that there are 300mm of aggregate on either side of the units.
5. Cover the aggregate and the Polytrench with trench fabric/geotextile.
6. Backfill with suitable material.

Specifications

Our Polytrench has interlocking sections, supplied in manageable lengths:

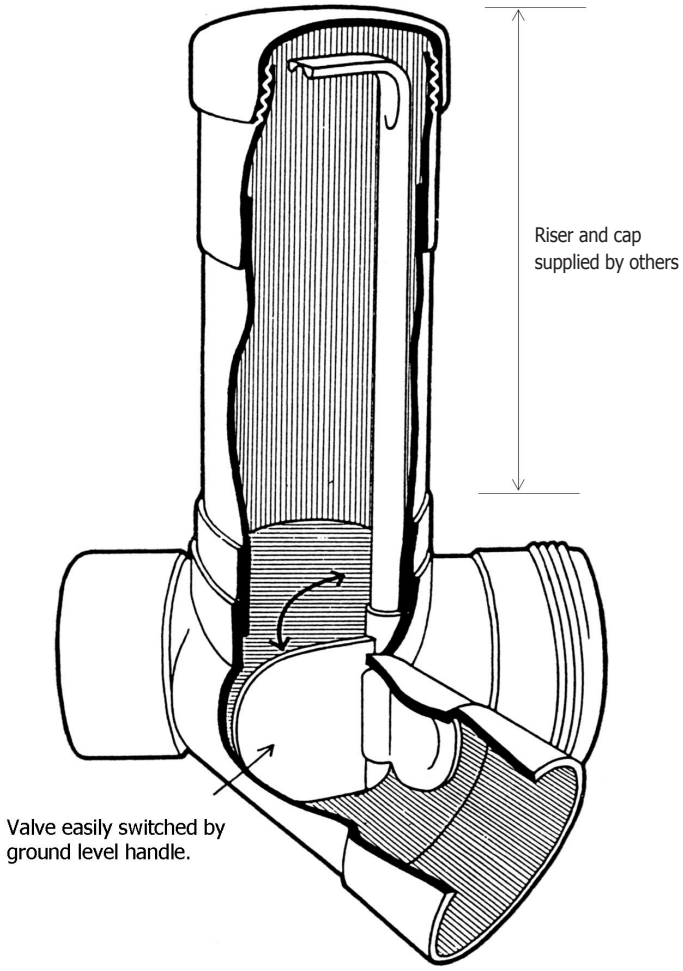
- Length - 1,000mm
- Height - 330mm
- Width - 450mm



PVC Effluent Diverter Junction

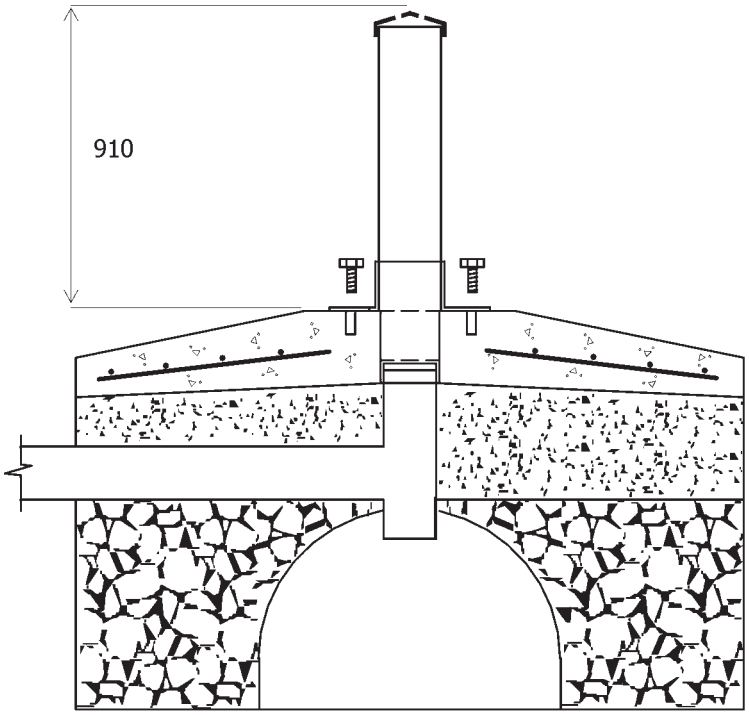
Product information

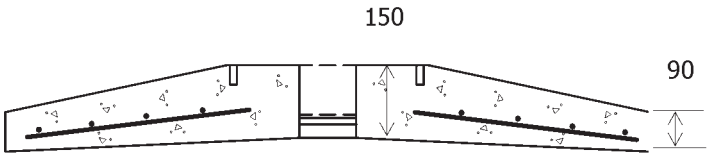
- Cost effective: no extra fittings for line up or I.O.
- Light weight: no sagging lines
- Standard 45 degree 'Y' size and style for quick, easy installation
- The correct operation is visible after installation
- Riser and switching lever easily cut to suit depth of job
- Available as a right hand valve only

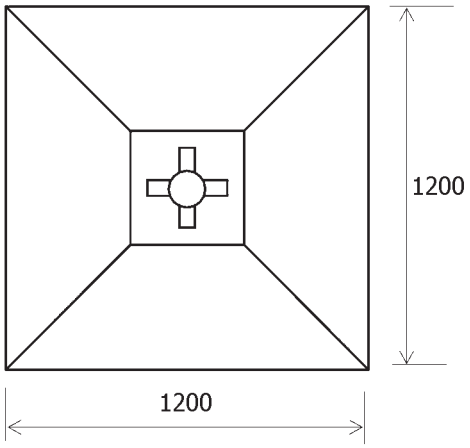


Induct Vents

Item	Approx mass
Induct vent base complete	410kg







‘Swiftlift’ Lifting System

The ‘SwiftLift’ concrete lifting system provides a simple, safe, and efficient method for lifting and handling precast concrete elements.

Originally developed to eliminate the need for time-consuming and potentially hazardous threaded connectors, the system has been widely used worldwide and has demonstrated its versatility, operational simplicity, and safety in a variety of applications.

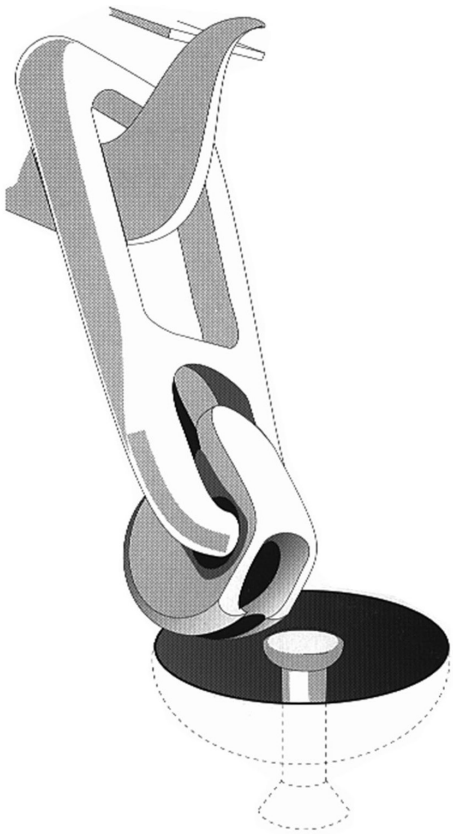
The system is fully approved by regulatory authorities in every state of Australia and in New Zealand.

The system uses forged steel anchors, typically hot-dipped galvanised, with each anchor’s capacity (in tonnes) clearly marked on the head to ensure maximum on-site safety. A specially designed lifting clutch connects securely to the head of the embedded anchor. The lifting clutch is designed so that, when properly connected, it cannot disengage while under load.

Upon completing the lift, the eye is easily disengaged, and the recess can be grouted over if necessary.

The SwiftLift lifting system is standard in most Ri products, and lifting clutches are available for purchase from our office.

Available capacities: 1.3, 2.5, 5.0, and 10 tonnes

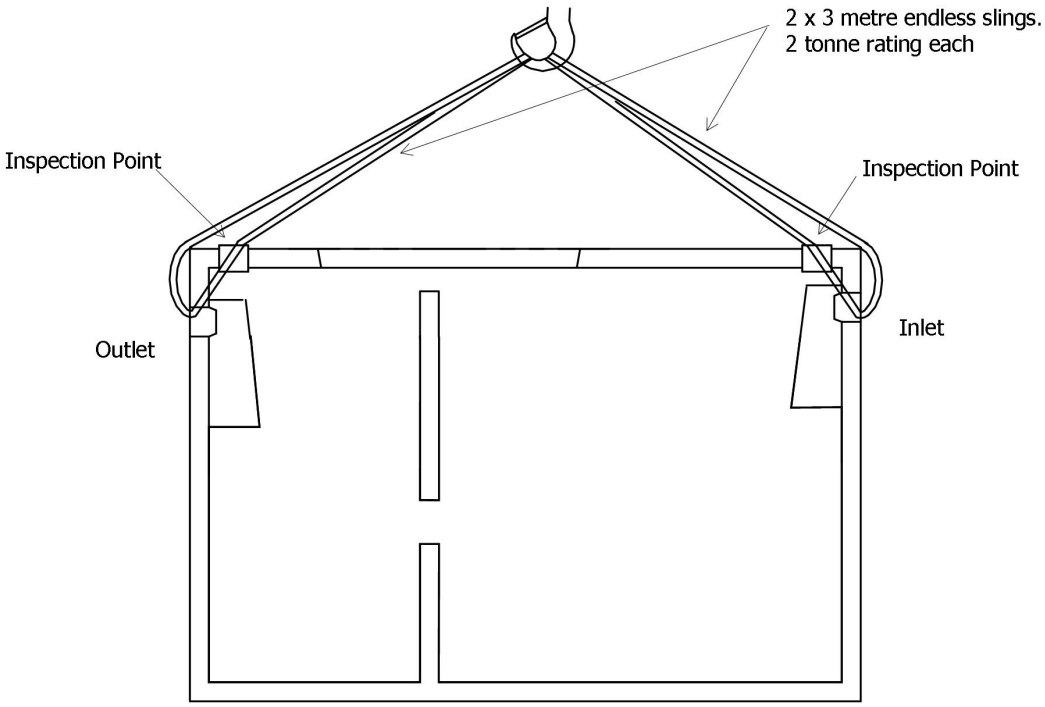


Lifting Septic Tanks

3,000 - 5,000 litre

The use of unapproved lifting equipment may damage or crack tanks.

The diagram shown below is the correct method for lifting a Ri-Industries 1,620 - 5,000 litre horizontal cylindrical type septic tank. If SwiftLift anchors are fitted, the appropriate clutch can be used.



Secondary Treatment Systems

Ri-Industries

Reclaim your wastewater with a Ri-Treat secondary treatment system - engineered for superior quality.

ri-industries.com.au

Ri-Treat EP10

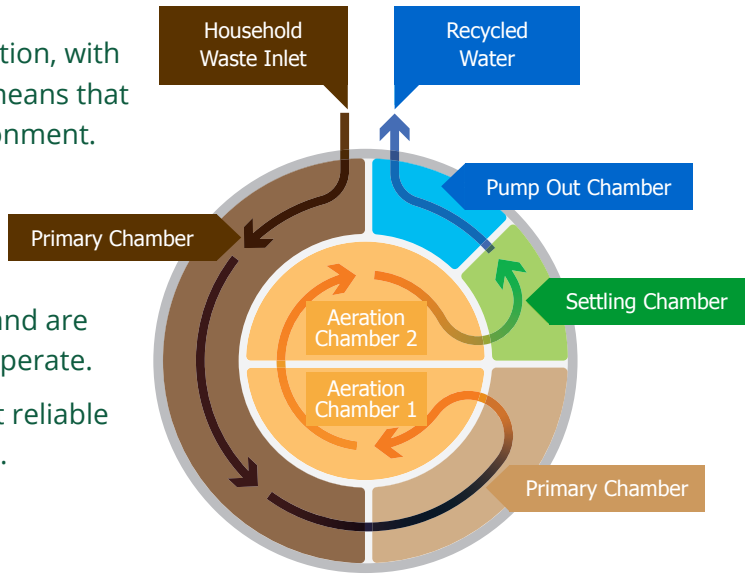
Benefits of a Ri-Industries EP10

- Reclaim your waste water by recycling and reusing water around the home
- Guaranteed superior quality
- Engineer-designed with a 15 year warranty
- The only SA-manufactured secondary treatment system that's been tested, certified and approved to the Australian Standard (AS/NZS 1546.3:2017) for South Australian conditions, achieving an average reduction of 27.1% in nitrogen and 25.1% in phosphorus.

Ri-Treat EP10 specifications (equivalent persons (EP) = 10)			
Daily hydraulic load	1,500L	Weight	6,565kg
Primary chambers	3,300L	Width	2,500mm
Combined aeration chamber	2,240L	Height	2,460mm
Settlement chamber	480L	Inlet invert (from top of cover)	730mm
Pump out chamber	450L	Inlet nominal size	100mm
Total liquid volume	6,470L	Risers available to increase invert	300mm
Air blower	Mac 100 LPM		450mm
Submersible pump	Lowara DOC 7		600mm

System Features

- Mono cast 50 MPa reinforced concrete construction, with no fibreglass or plastic structural components means that no untreated effluent will escape into the environment.
- The high quality bio filter medium, with the added bonus of bristle filters, enhances the purity of the recycled water.
- All irrigation pumps are Lowara stainless steel, and are submersible, quiet, reliable and inexpensive to operate.
- The Japanese Mac100 air blower offers the most reliable and efficient aeration and has a 2 year warranty.
- Unique features, such as automatic sludge and skimmer returns.



Ri-Treat EP10

Installation

- If base is rocky or uneven you will require road or gravel base. Do not backfill with rocky soil as damage may occur.
- SA Health regulations state the lid must sit above ground level at the seal.
- For more information, see the Installation and Maintenance manual.

Product information	
Hydraulic capacity	1,500L/day
Organic capacity	700g BOD_5/day
Weight	6,565kg

- One tank system
- Mono cast concrete tank

Ri-Treat EP33

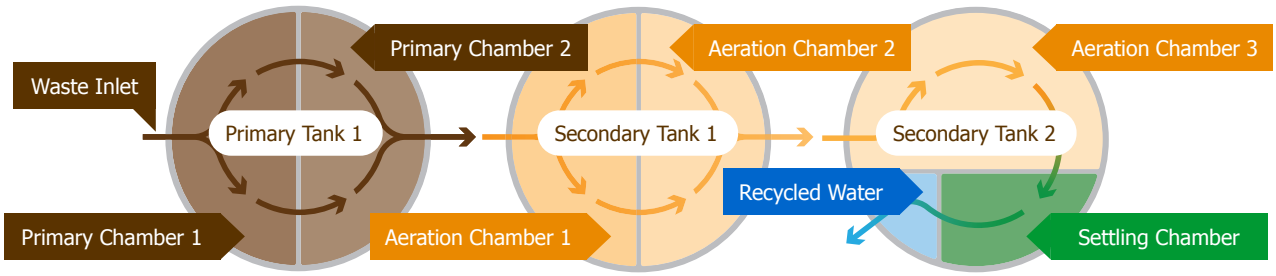
Benefits of a Ri-Industries EP33

- Reclaim your waste water by recycling and reusing water from your building or commercial sites
- Capacity for up to 33 people
- Guaranteed superior quality
- Engineer-designed with a 15 year warranty
- The only SA-manufactured secondary treatment system that's been tested, certified and approved to the Australian Standard (AS/NZS 1546.3:2017) for South Australian conditions

Ri-Treat EP33 specifications (equivalent persons (EP) = 33)			
Daily hydraulic load	5,000L	Width (excavation width min)	3,500mm
Primary tank 1	7,800L	Height	3,160mm
Secondary tank 1	7,500L	Length (excavation length min)	10,5000mm
Secondary tank 2 aeration chamber	5,200L	Inlet invert (from ground level)	810mm
Secondary tank 2 settlement chamber	1,550L	Inlet nominal size	100mm
Secondary tank 2 pump out chamber	450L	Weight (including increment)	
Total liquid volume	22,500L	Primary tank 1	6,750kg
Air blower	4 x Mac 100 LPM	Secondary tank 1	6,750kg
Submersible pump	Lowara DIWA 7	Secondary tank 2	6,960kg

System Features

- Consisting of three pre-cast 50 MPa reinforced concrete tanks with no fibreglass or plastic structural components so untreated effluent will not escape into the environment.
- The high quality bio filter medium, with the added bonus of bristle filters, enhances the purity of the recycled water.
- All irrigation pumps are Lowara stainless steel, and are submersible, quiet, reliable and inexpensive to operate.
- The Japanese Mac100 air blower offers the most reliable and efficient aeration and has a 2 year warranty.
- Unique features, such as automatic sludge and skimmer returns.



Ri-Treat EP33

Installation

- If base is rocky or uneven you will require road or gravel base. Do not backfill with rocky soil as damage may occur.
- SA Health regulations state the lid must sit above ground level at the seal.
- Tanks must be half filled with water (all chambers) to stop flotation.
- For more information, see the Installation and Maintenance manual.

Product information	
Hydraulic capacity	5,000L/day
Organic capacity	2310 BOD_5/day
▪ Three pre-cast concrete tanks	

Suitable Plants

The list below is a guide to suitable plants for the surface irrigation disposal area.
Please note, due to wide climatic and soil variations, you should check with your local plant nursery before finalising your plant choice.

Trees		
Botanical Name	**Common Name**	**Approx Height**
Agonis Flexuosa	Willow Myrtle	5-6 metres
Acacia Baileyana	Cootamundra Wattle	3-5 metres
Banksia Spp.	-	3-10 metres
Casuarina Glauca	Swamp Oak	6-12 metres
Casuarina Stricta	Drooping She Oak	3-5 metres
Casuarina Cunninghamiana	River She Oak	6-10 metres
Callistemon Viminalis	Red Bottlebrush	3-6 metres
Callistemon Salignus	White Bottlebrush	3-6 metres
Eucalyptus Robusta	Swamp Mahogany	6-9 metres
Eucalyptus Saligna	Sydney Blue Gum	15-20 metres
Eucalyptus Grandis	Flooded Gum	10-20 metres
Eucalyptus Camaldulensis	River Red Gum	15-20 metres
Eucalyptus Cosmophylla	Cup Gum	5-6 metres
Hymenosporum Flavum	Native Frangipani	3-6 metres
Leptospermum Laevigatum	Coast Tea Tree	5-6 metres
Melaleuca Armillaris	Bracelet Honey Myrtle	3-4 metres
Melaleuca Quinquenervia	Broad Paperbark	5-7 metres
Melaleuca Nesophila	Western Tea Myrtle	2-4 metres
Pittosporum Spp.	-	2-4 metres
Syzygium Paniculatum	Bush Cherry	8-10 metres
Tristania Laurina	Kanuka	3-5 metres

Suitable Plants

The list below is a guide to suitable plants for the surface irrigation disposal area.
Please note, due to wide climatic and soil variations, you should check with your local plant nursery before finalising your plant choice.

Shrubs		
Botanical Name	**Common Name**	**Approx Height**
Abelia X Grandiflora	Abelia	2-3 metres
Acacia Floribund	Gossamer Wattle	2-4 metres
Acacia Longifolia	Sallow Wattle	2-4 metres
Acacia Iteaphylla	Flinders Range Wattle	2-3 metres
Cotoneaster Spp.	-	2-4 metres
Cortaderia Selloana	Pampas Grass	2-3 metres
Cyperus Alternifolius	Umbrella Grass	0.5-1 metre
Cyperus Papyrus	Papyrus	1-2 metres
Cassia Spp.	Swamp Mahogany	1-3 metres
Chamelaucium Uncinatum	Geralton Wax	2-4 metres
Dryandra Formosa	-	1-3 metres
Eremopjhila Spp.	-	1-2 metres
Grevillea Spp.	-	1-3 metres
Hebe Spp.	Veronica	0.5-1 metre
Iris Pseudacorus	Yellow Flag Iris	0.5-1 metre
Nerium Oleander	Oleander	2-3 metres
Melaleuca Decussata	Cross Leaved Honey Myrtle	1-2metres
Phormium Tenax	New Zealand Flax	2-2.5metres

Suitable Plants

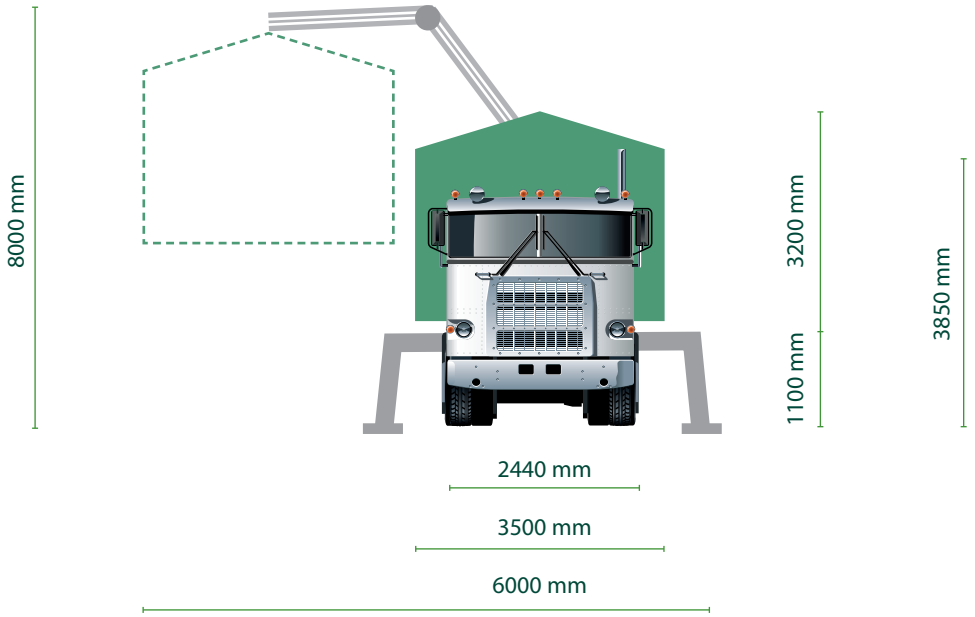
The list below is a guide to suitable plants for the surface irrigation disposal area.
Please note, due to wide climatic and soil variations, you should check with your local plant nursery before finalising your plant choice.

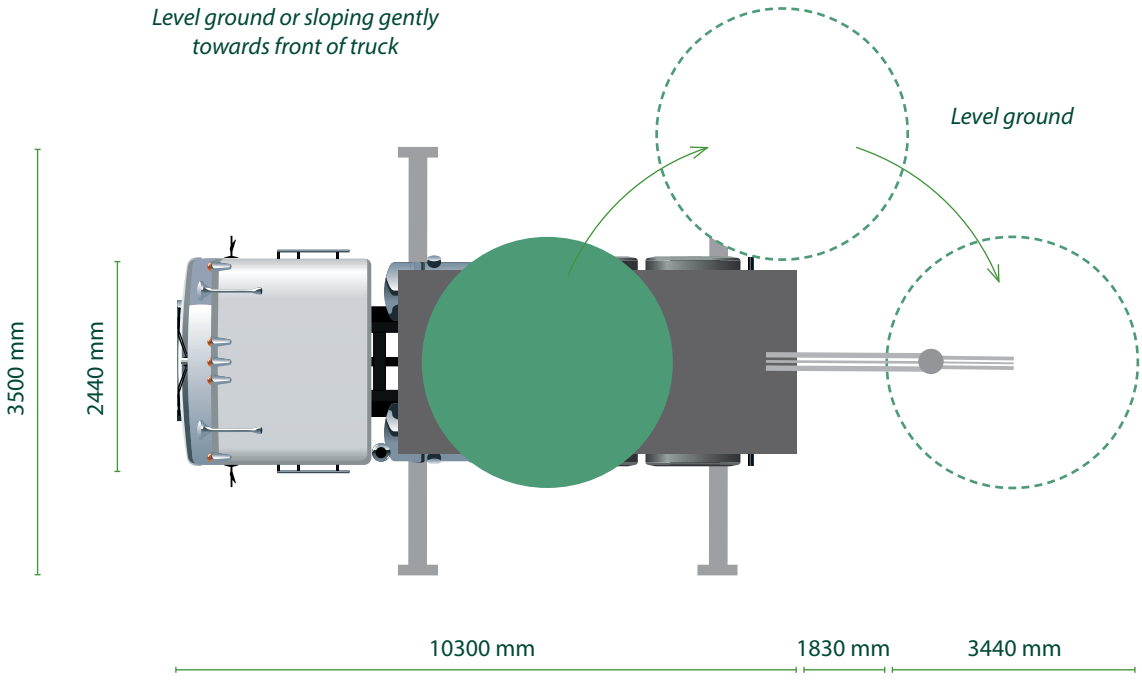
Perennials / ground cover		
Botanical Name	**Common Name**	**Approx Height**
Aster Novi-gelgii	Perennial Aster	0.5-1 metre
Canna	-	1-2 metres
Chrysanthemum Frutescens	Marguerite Daisy	1 metre
Chrysanthemum Maximum	Shasta Daisy	1 metre
Gazania Ringens	Black Eyed Susan	0.4 metres
Impatiens Spp.	-	0.4 metres
Salvia Uliginosa	Bog Salvia	0.4 metres
Viola Spp.	-	0.4 metres
Climbers		
Botanical Name	**Common Name**	**Approx Height**
Bougainvillaea Spp.	-	Variable
Clematis Spp.	-	Variable
Hardenbergia Violacea	Purple Coral Pea	Variable
Hibbertia Scandens	Snake Vine	Variable
Jasminum Grandiflorum	-	Variable
Jasminum Polyanthum	-	Variable
Jasminum Officinale	Common Jasmin	Variable
Kennedia Rubicunda	Dusky Coral Pea	Variable
Lonicera Japonica	Japanese Honeysuckle	Variable
Passiflora Spp.	Passion Flower	Variable
Vitis Coignetiae	Glory Vine	Variable

Delivery

Delivery instructions

We offer a FREE on-site visit to advise on tank location and delivery assessment.
The truck would need to reverse up to the hole. A clear level site is required to unload the tank into your prepared excavation. Easy access is very important, ie. NO overhead trees, wires, etc. NO benching out of the hole. All delivery access is subject to driver discretion.





Underground Rainwater Tanks

Ri-Industries

As a precast concrete manufacturer since 1947, we produce high-quality underground concrete rainwater tanks built to last.

ri-industries.com.au

Underground Rainwater Tanks

Benefits of a Ri-Industries rainwater tank

As a leading manufacturer of precast concrete products, Ri-Industries offers durable, underground rainwater tanks that provide numerous advantages:

- The water stays cooler
- No algae develops
- The water has no aftertaste
- They are both vandal-proof and fire-proof
- Being underground means they're out of sight and save valuable space
- Concrete is stronger and more durable
- With heavy-duty covers, underground tanks can be made trafficable

Our concrete tanks are made using high-frequency vibrated, reinforced concrete and the highest quality materials. Steel mesh is cast into the tank and lid, and all fittings are made from brass for added durability and peace of mind. The tanks come with full engineering approval for below-ground installations.

Inlets and outlets can be custom-made and positioned to meet your specific requirements. With our manufacturer's warranty on tank construction, you can trust that a rainwater tank from Ri-Industries will stand the test of time.

Installation

Proper site preparation is essential to maximise the lifespan of your concrete rainwater tank:

- Excavate to the required depth plus 75mm (or more if needed to achieve a fall from the gutter height) and backfill with a layer of 10mm-12mm gravel or screenings. The tank will be placed directly on this level base.
- Ensure the gutter outlet is positioned above the tank inlet.
- Confirm delivery access with Ri-Industries.
- A minimum height clearance of 8 metres is required for unloading.
- Allow 4.7 metres of clearance for the truck to pass under trees and overhead power lines.
- Ensure at least 4 metres of clearance between gate posts.
- Highlight the location of any underground drains or cables. Trucks will not drive over concrete or sealed areas without signed indemnity (including all foundations).
- Ensure the unloading site is level.
- Ri-Industries strongly recommends that the tank not be left empty for extended periods.
- If you have any concerns about the installation, a site inspection can be arranged.

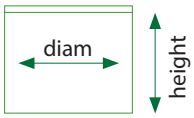
Please note: Underground rainwater tanks can be installed up to a maximum depth of 1,750mm below ground. This requires riser pipes for ground-level access and a heavy-duty concrete cover.

Underground Rainwater Tanks

Specifications

Specifications can be forwarded to Council/Engineers upon request.

Four sizes of tank are available:

Tank capacity	Diameter	Height	Weight	
5,000 litres	1,930mm	2,440mm	2.97 tonne	BELOW GROUND 
9,090 litres	2,440mm	2,460mm	3.9 tonne	
13,640 litres	2,890mm	2,440mm	5.3 tonne	
22,730 litres	3,450mm	2,740mm	7.5 tonne	
Please note - heights and weights shown for tanks only				

Product information

- Non-trafficable cover slabs (150mm thick) are designed to be buried up to a maximum of 1,000mm below ground level.
- Trafficable cover slabs (250mm thick) are designed to be buried up to a maximum of 1,750mm below ground level.

Trade Waste Arrestors

Ri-Industries

Ri-Industries manufactures a wide range of trade waste arresters, including grease arrestors, settling pits, and acid neutraliser pits - all engineered for high quality and performance, with epoxy coating available.

ri-industries.com.au

Trade Waste Arrestors

Benefits of a trade waste arrestor

As a leading manufacturer of precast concrete products, Ri-Industries offers high-quality trade waste arrestors which are particularly strong and built to last.

- Made from precast concrete with a strength of 50 MPa at 28 days
- Various types of trade waste arrestors are available, including silt, grease, and detention tanks
- All inlets are designed to suit HDPE pipes for easier connection
- Gas-tight lids set in precast concrete can be supplied, along with extension risers
- Increments and trafficable, gas-tight, heavy-duty cast iron/concrete covers are available
- Units are lowered into the excavation site, provided the site is level, firm, and accessible
- Epoxy coating for internal surfaces is available upon request
- All units are SA Water-approved

General installation information

- Outside installations must be a minimum of 50mm above ground level to prevent stormwater entry.
- Chequerplate covers can be fitted with recessed drop handles and/or frames to suit brick-paved areas.
- Trade waste arrestors are available as oil and grease arrestors, settling pits, or acid neutraliser pits.

Please note: Circular gas-tight inspection covers require a minimum of 600mm vertical clearance between the underside of the cover slab and the static water level in the arrestor to allow for routine servicing.

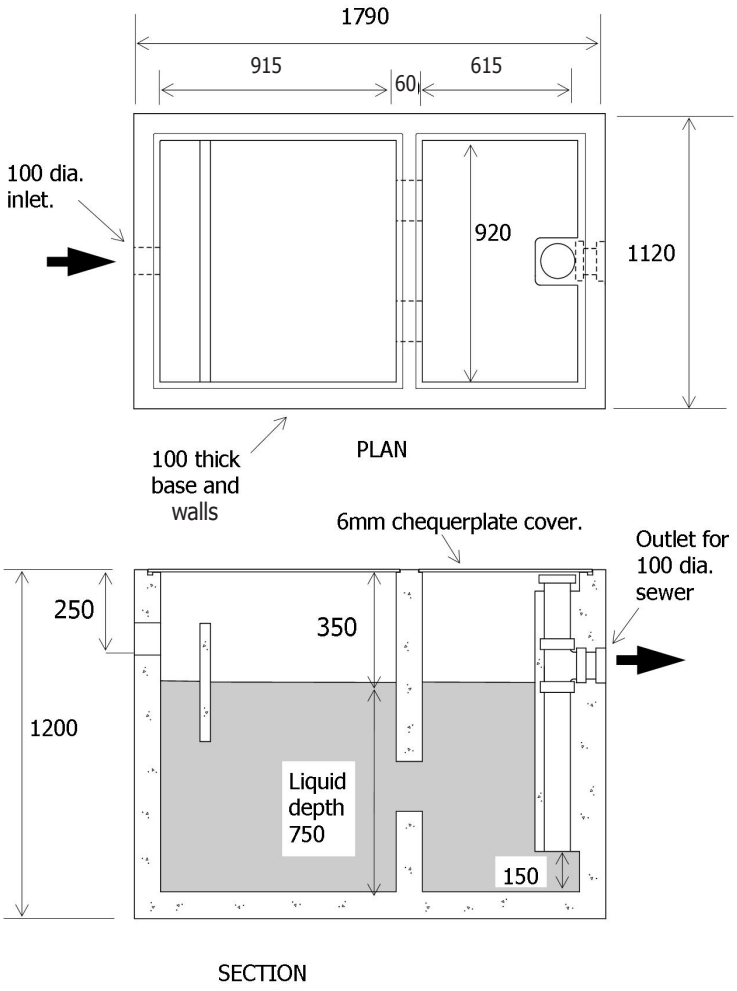
Maintenance

The arrestor is designed to capture fats and oils from washwater. For optimal performance, the arrestor should be thoroughly cleaned every three months or more frequently if needed, following SA Water requirements. Tank waste must not be discharged into the sewer system.

Trade Waste Arrestor

1,100 litre - No. 2

Item	Approx mass
1,200mm base unit	2,200kg

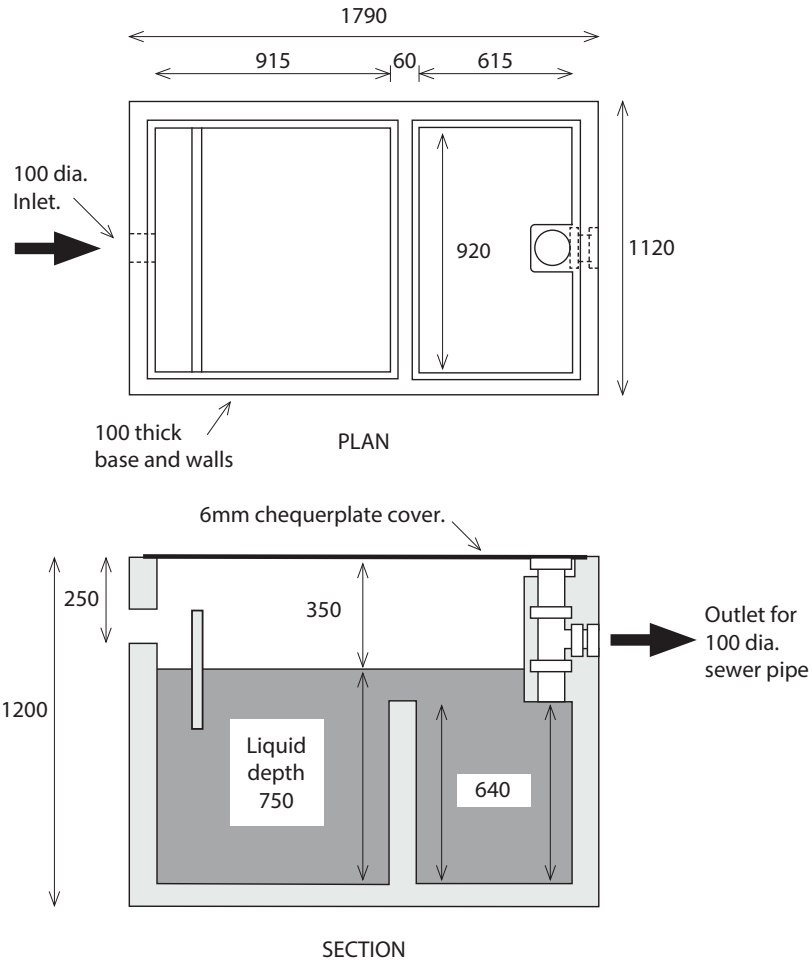


The tanks have been designed to be buried with the underside of the base unit located 3000 mm maximum below ground level and with the cover slab sitting 50 mm above ground level.

Neutralising / Settling Pit

1,100 litre - No. 2

Item	Approx mass
1,200mm base unit	2,200kg

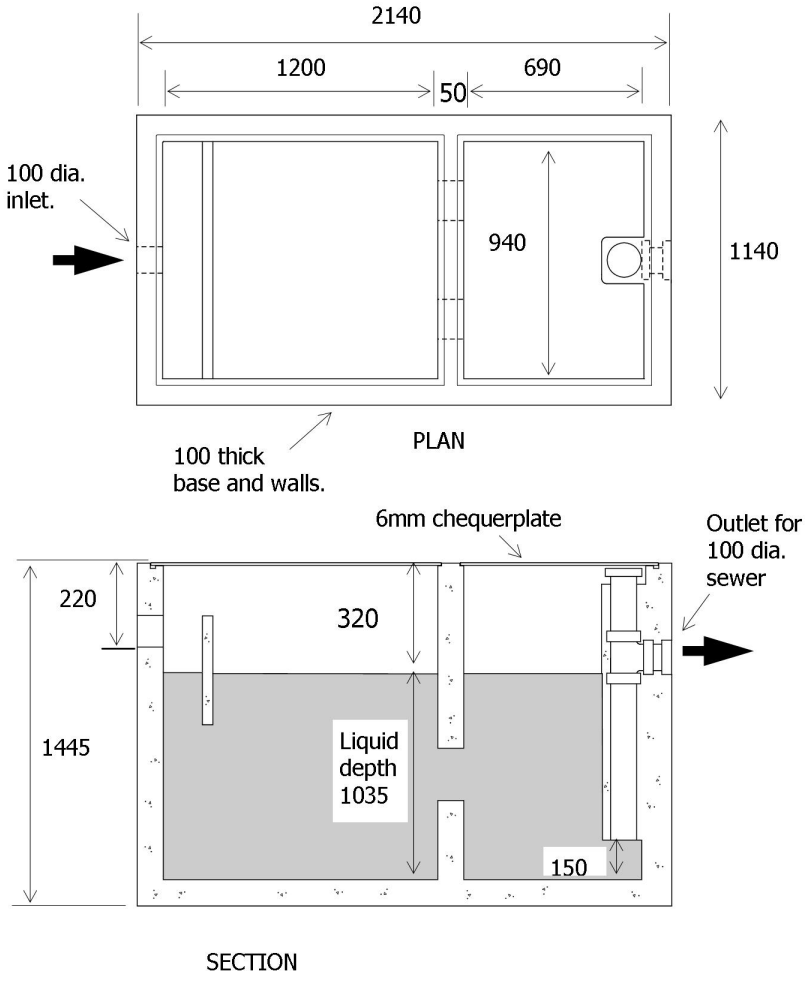


The tanks have been designed to be buried with the underside of the base unit located 3000 mm maximum below ground level and with the cover slab sitting 50 mm above ground level.

Trade Waste Arrestor

1,750 litre - No. 3

Item	Approx mass
1,445mm base unit	2,900kg

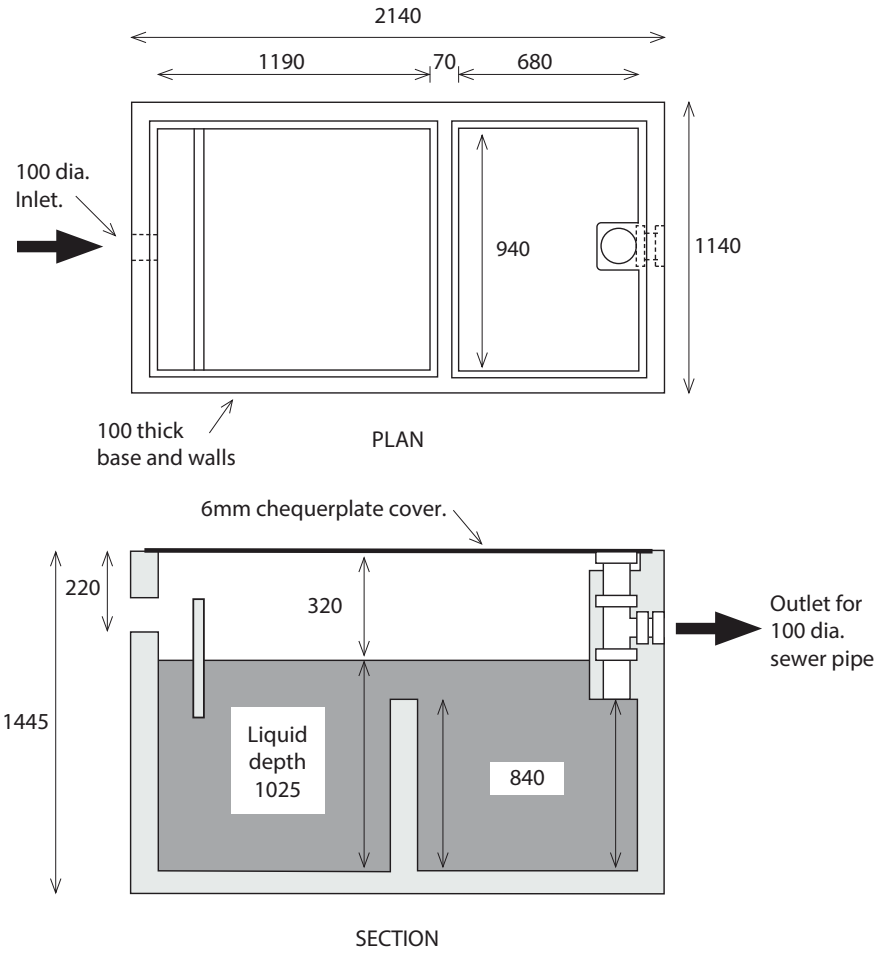


The tanks have been designed to be buried with the underside of the base unit located 3000 mm maximum below ground level and with the cover slab sitting 50 mm above ground level.

Neutralising / Settling Pit

1,750 litre - No. 3

Item	Approx mass
1,200mm base unit	2,200kg

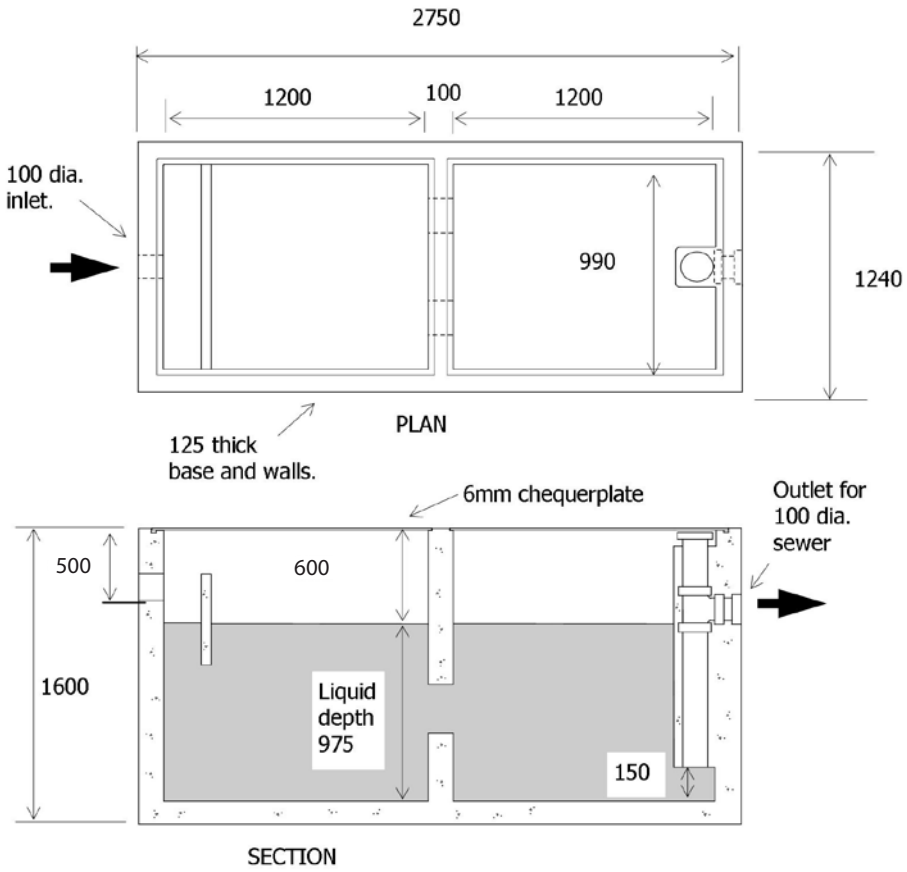


The tanks have been designed to be buried with the underside of the base unit located 3000 mm maximum below ground level and with the cover slab sitting 50 mm above ground level.

Trade Waste Arrestor

2,400 litre - No. 4

Item	Approx mass
1,670mm base unit	5,150kg

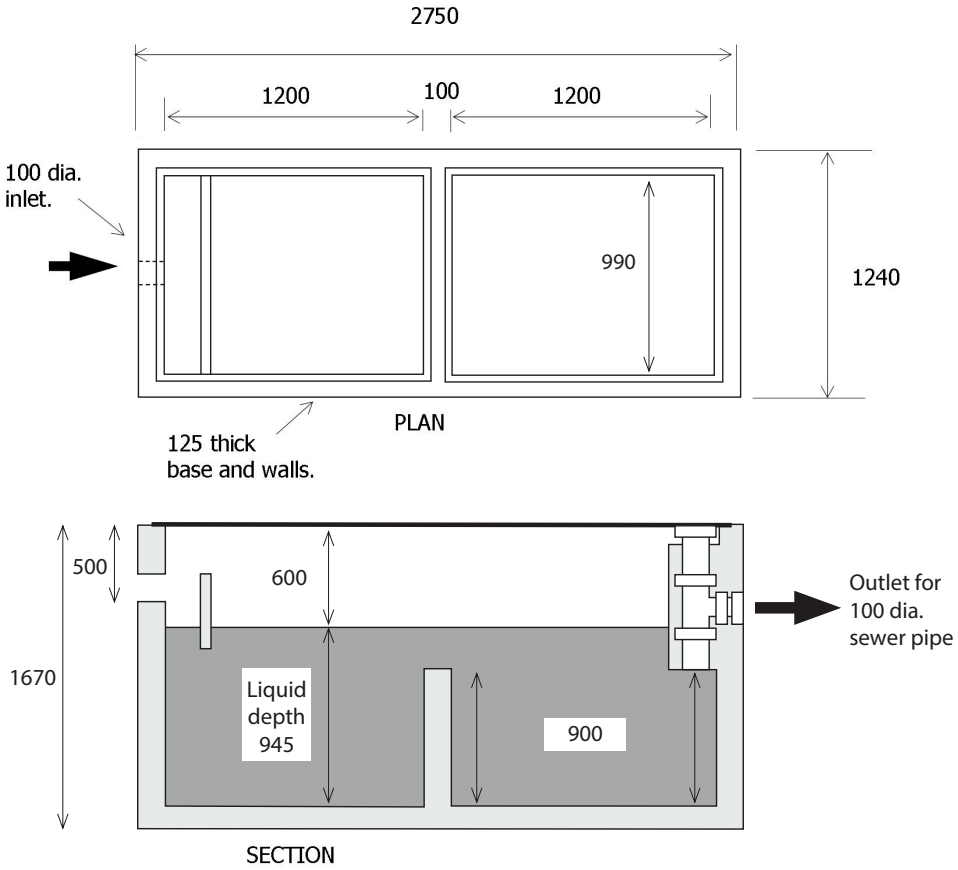


The tanks have been designed to be buried with the underside of the base unit located 4000mm maximum below ground level and with the cover slab sitting 50mm above ground level.

Neutralising / Settling Pit

2,400 litre - No. 4

Item	Approx mass
1,670mm base unit	5,150kg

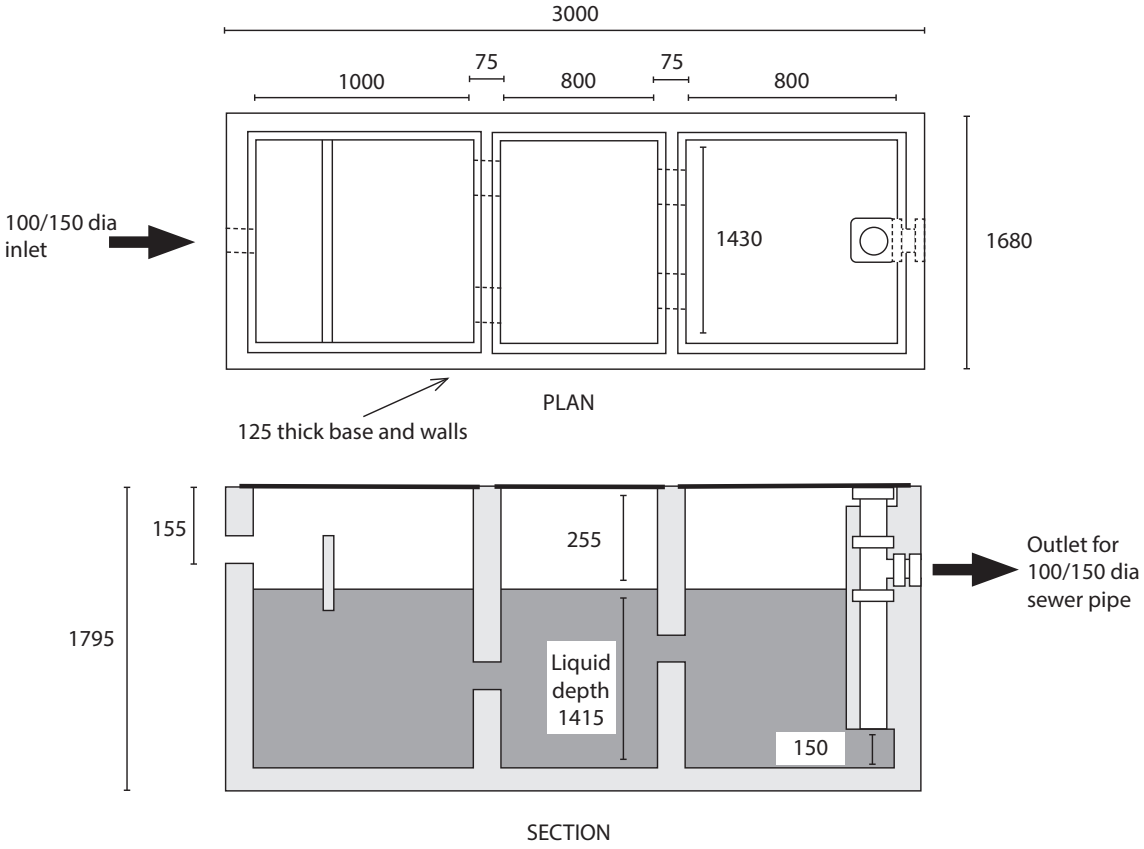


The tanks have been designed to be buried with the underside of the base unit located 3000 mm maximum below ground level and with the cover slab sitting 50 mm above ground level.

Trade Waste Arrestor

5,200 litre - No. 5

Item	Approx mass
1,795mm base unit	7,300kg

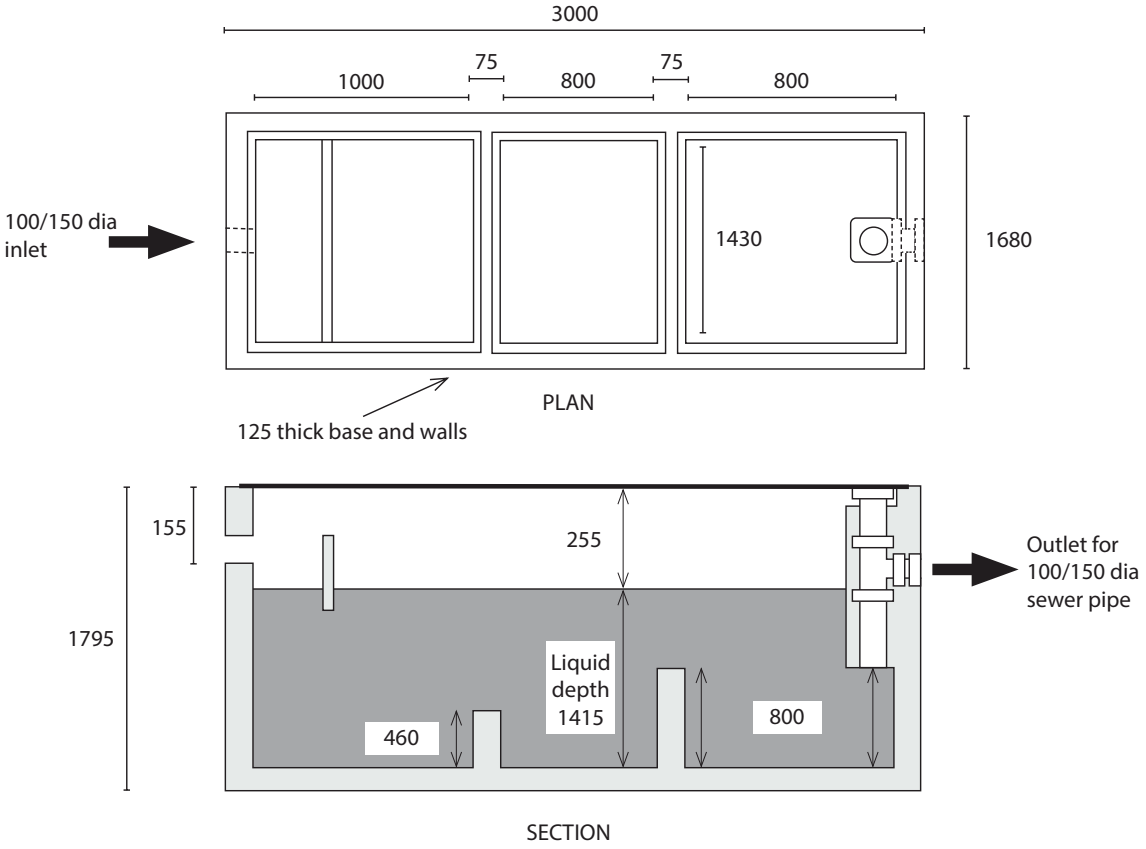


The tanks have been designed to be buried with the underside of the base unit located 4000 mm maximum below ground level and with the cover slab sitting 50 mm above ground level.

Neutralising / Settling Pit

5,200 litre - No. 5

Item	Approx mass
1,795mm base unit	7,300kg



The tanks have been designed to be buried with the underside of the base unit located 3000 mm maximum below ground level and with the cover slab sitting 50 mm above ground level.

Inspection Openings

Ri-Industries

Ri-Industries manufactures a wide range of inspection openings for various applications, offering easy access and high quality.

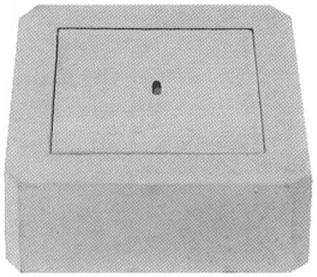
ri-industries.com.au

Precast Concrete Inspection Cover

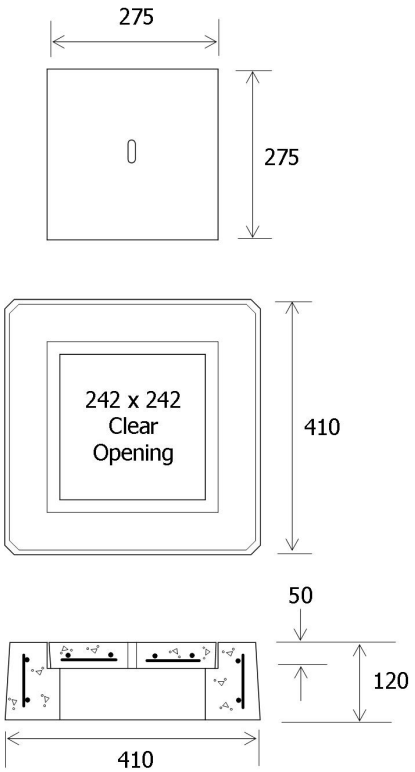
Item	Approx mass
100mm IP	33kg
150mm IP	83kg

Product information

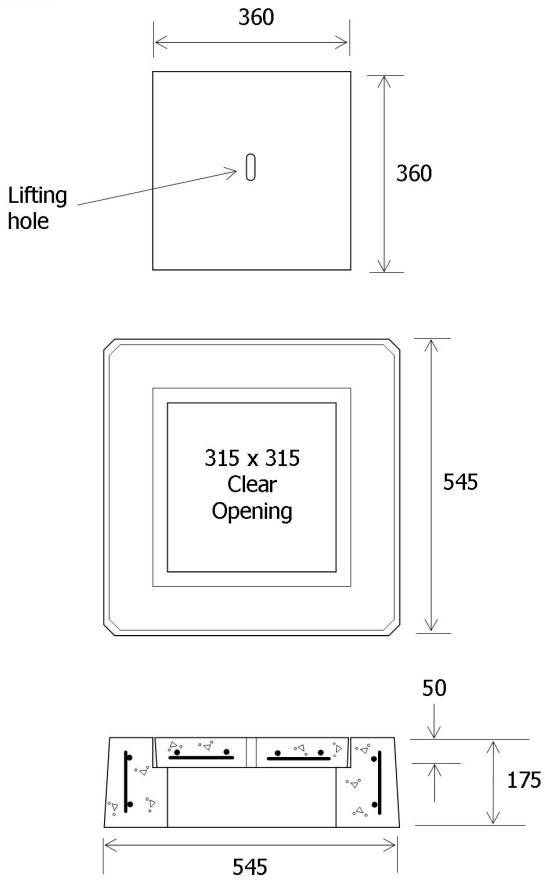
- Suitable for grassed, bituminised and paved areas
- Available in two sizes to suit 100mm or 150mm risers
- Minimum concrete strength 32 MPa at 28 days



100mm IP



150mm IP

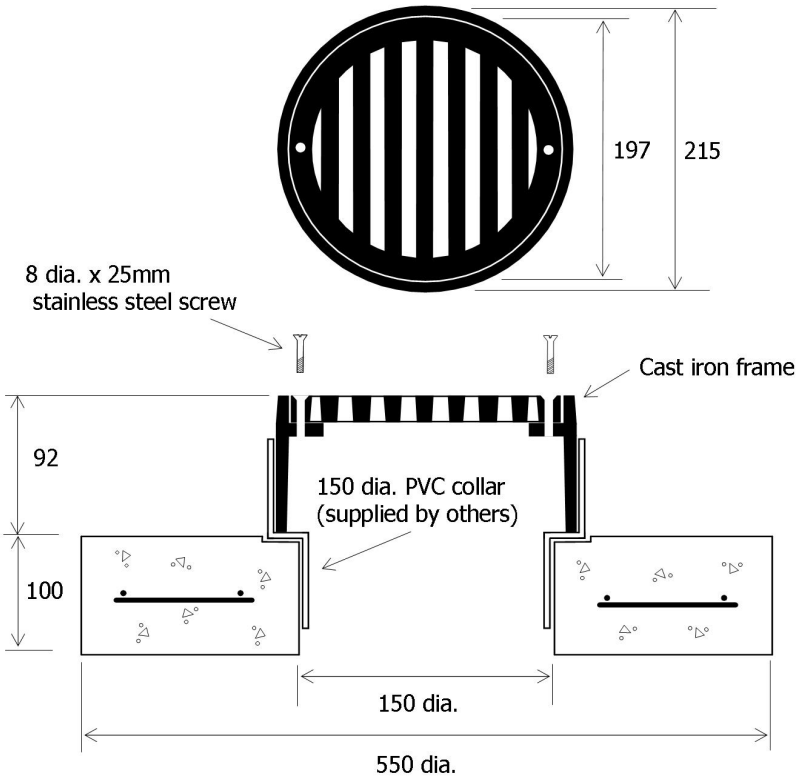


Grated Stormwater Collection Point

Item	Approx mass
Grate and frame	5kg

Product information

- Cast iron grate and frame
- Provides stormwater collection to 150mm drains (fits 150mm PVC collar)
- Suitable for all paved, bituminised and concreted areas
- Tar dipped grate and frame

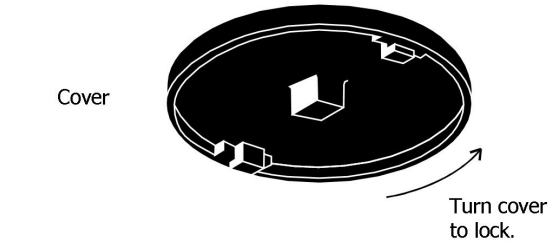


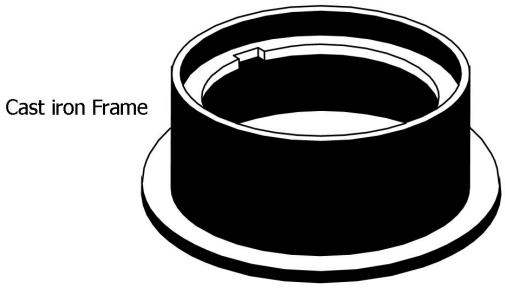
Flanged I.O. Cover And Frame

Type 1

Product information

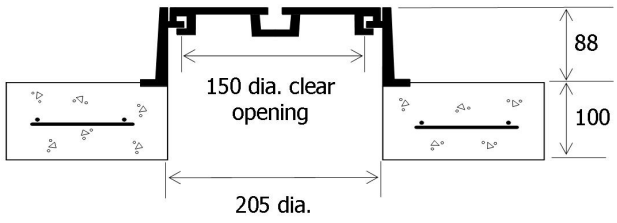
- Suitable for use in concreted and paved areas
- Available in two sizes to suit 100mm or 150mm risers
- Cast iron frame and cover are tar dipped
- Available in bolt down
- Minimum concrete strength 32 MPa at 28 days
- Available for sewer or stormwater

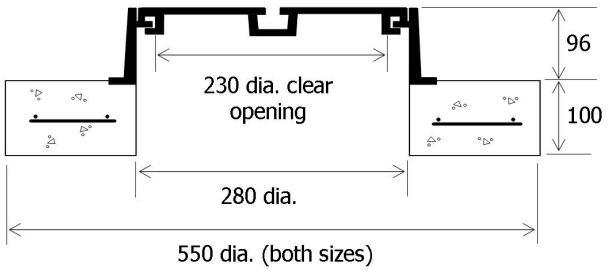




Item	Approx mass
Cover and frame	6.5kg
Support block	45kg

Item	Approx mass
Cover and frame	14.5kg
Support block	40kg



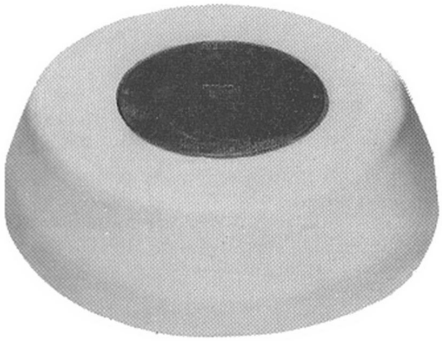


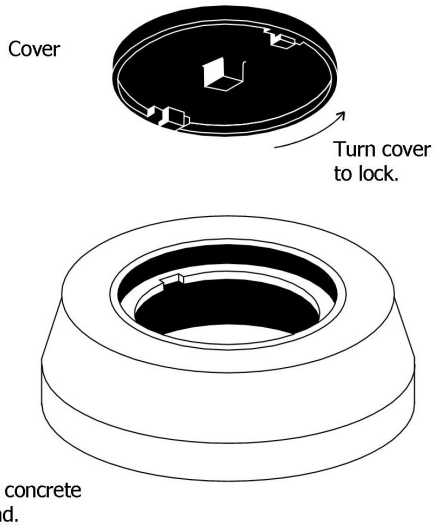
I.O. Cover And Frame

Type 2

Product information

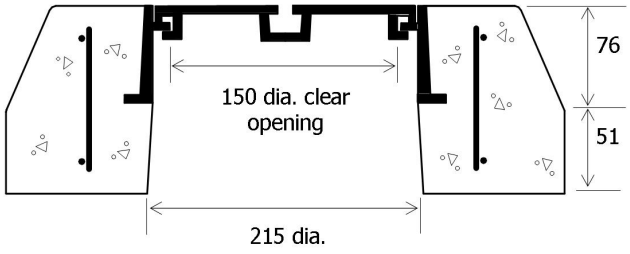
- Suitable for use in paved, bituminised and grassed areas
- Available in two sizes to suit 100mm or 150mm risers
- Cast iron frame and cover are tar dipped
- Available in bolt down
- Minimum concrete strength 32 MPa at 28 days
- Available for sewer or stormwater

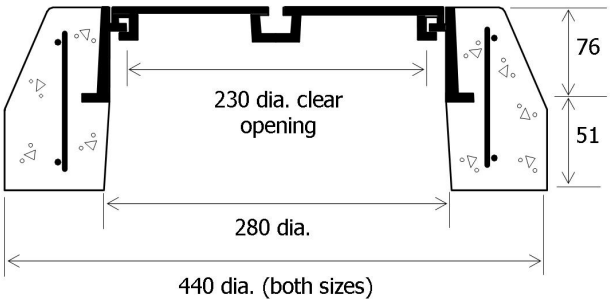




Item	Approx mass
Cover and surround	32kg

Item	Approx mass
Cover and surround	29kg



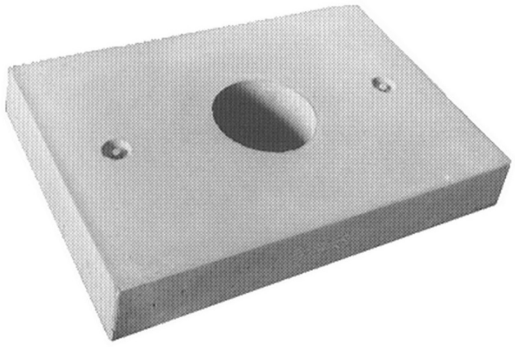


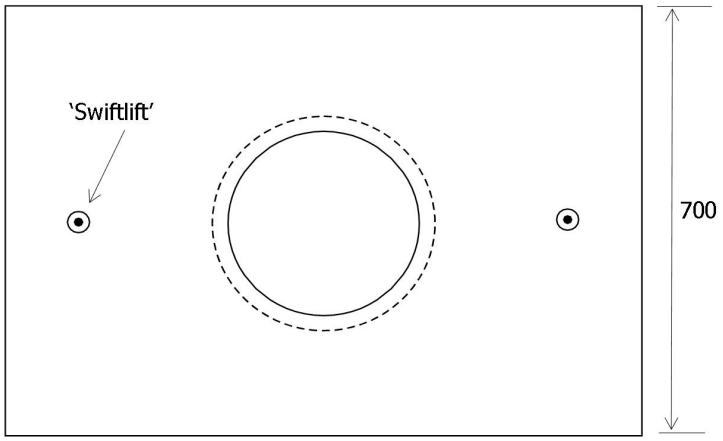
Precast Concrete Support Block

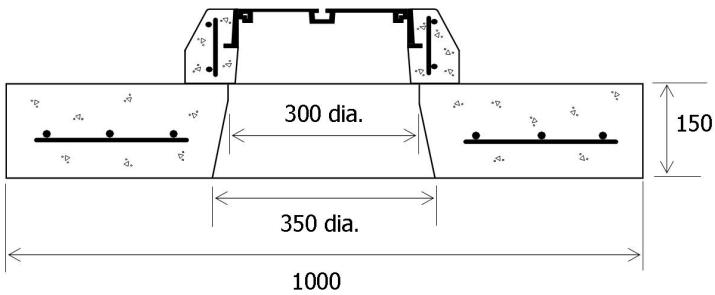
Item	Approx mass
1,000 x 700	185kg
600 x 600	100kg

Product information

- For heavy surface installation with common effluent drains
- Will suit both 100mm and 150mm flushing points
- Designed to suit I.O. cover and frame type 2 (refer to Ri-Industries' data sheet E3)
- Minimum concrete strength 32 MPa at 28 days







Cast Iron Covers, Grates & Frames

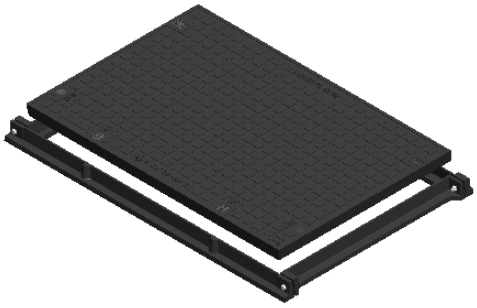
Cast iron grates and solid top covers are ideal for traffic and non-traffic areas such as roadways and footpaths.

Sump grates and covers are available in the following sizes:

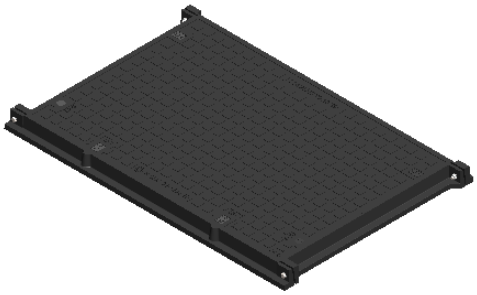
- 300mm x 300mm
- 450mm x 450mm
- 600mm x 600mm
- 900mm x 600mm
- 900mm x 900mm
- Non-standard sizes are available on request

Class D

Solid Top



Class B

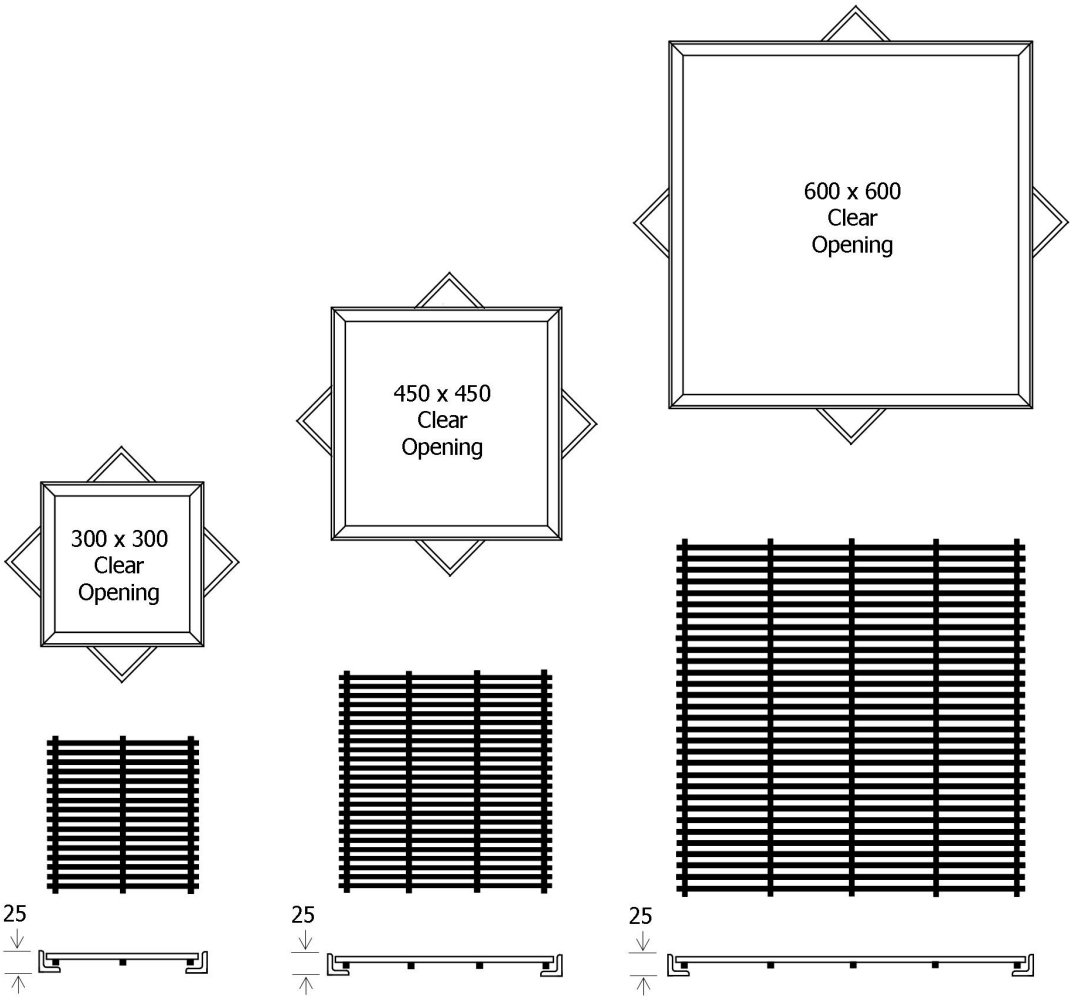


Light Duty Galvanised Grates & Frames

Item	Approx mass
300 x 300	15.5kg
450 x 450	15.5kg
600 x 600	24.5kg

Product information

- Also available for heavy duty application
- Hot dipped galvanised after fabrication
- Suitable for use in concreted or bitumised areas servicing pedestrian traffic
- Special sizes to suit other pits supplied to order

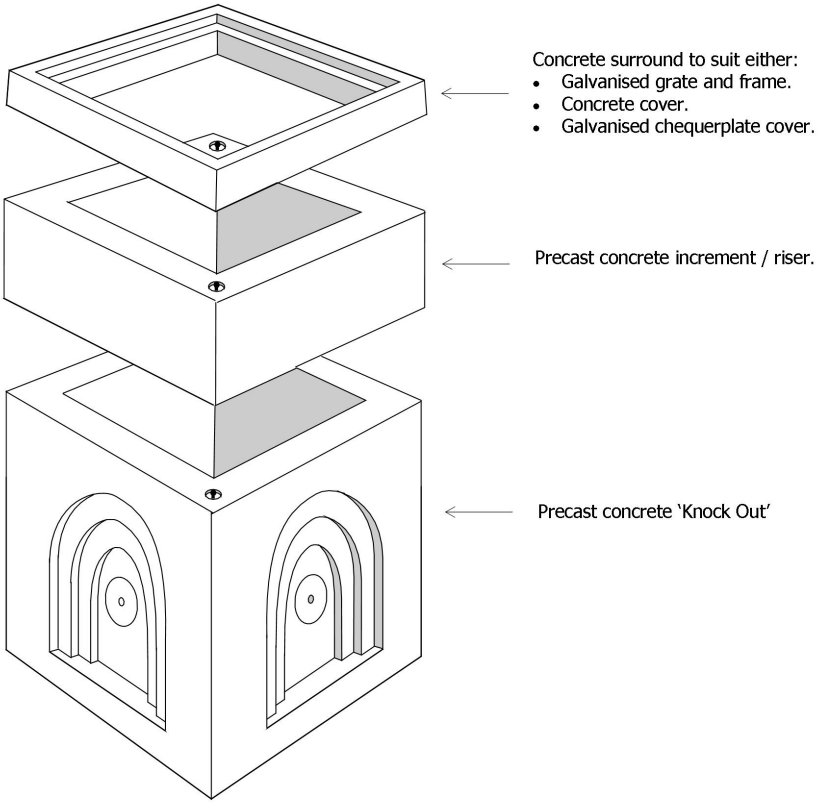


Precast Concrete ‘Knock Out’ Sumps

Length	Width	Depth	Approx mass
300mm	300mm	300mm	120kg
450mm	450mm	500mm	420kg
600mm	600mm	600mm	570kg
600mm	600mm	900mm	775kg

Product information

- Pre-formed to enable penetrations to be ‘knocked out’ with a sledge hammer at desired locations
- Available ex-stock - suitable for emergencies or tight schedules



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TQCSI ISO 45001:2018 Safety Certified AU1390-SC