

Front Cover



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# Which Tank?

Atlas Tanks offers two tank options

1. The first is what we call “**Custom-Made**” sometimes referred to as “fabricated” tanks. Custom-made tanks are made to your specifications. You specify the tank dimensions and fitting locations and sizes. These are ‘no compromise’ tanks, you get exactly what you need.
2. The second option is “**Standard Size**” tanks. With standard tanks the size is fixed, however you can have fittings (inlets, outlets & breathers) wherever you need them on the tank.

Both tank types are ideal for Freshwater, Greywater, Blackwater and Diesel applications.

So which tank should you use?

First see if a standard size tank will suit your needs, if so, this is the most economical option. If you can't get a standard size tank close to your ideal, or you need a tank to your exact specifications, a custom-made tank is the solution.

See “How to order Custom-Made Tanks” Page 4

See “How to order Standard size Tanks” Page 8

# About Our Custom-Made Tanks

Custom-made tanks can be made to just about any shape and size, fittings can be placed at any location on the tank. Custom-made tanks are perfectly suited for use in freshwater, greywater, blackwater and diesel installations.

Our custom-made tanks are fabricated from 6 & 10 mm thick, food grade, UV stabilised polypropylene. We use polypropylene (PP) because it is very strong, highly impact resistant, corrosion free, light weight and has good working characteristics. Generally custom-made tanks will have baffles at about 350-450 mm centres. Tanks can be as small as 25 litres up to over 4,000 litres to most shapes and sizes.

Custom-made tanks are made from flat sheets and are folded and welded to form the required shapes. When completed every tank is pressure tested to 21 kpa, this allows us to check that the tank has no leaks, as well as testing tank integrity.

See “How to order Custom Made Tanks” Page 4

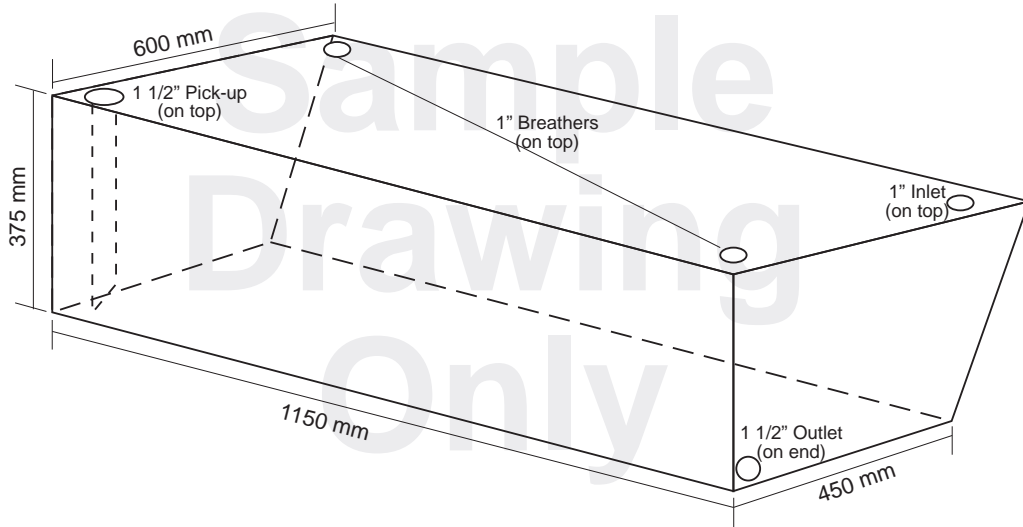
# How to Order Custom-Made Tanks or get a quote *fast*

Once you have the shape, size, fittings and their locations you need to send us a drawing which we will be able to work from. The following is an overall guide.

1. Draw the basic shape of your tank in relative proportion
2. On your drawing detail all measurements paying particular attention to anything which is critical
3. Indicate on your drawing the location of your fittings and their sizes
4. Double check your dimensions and fittings are correct
5. Mark what application the tank is for ie: fresh/grey/blackwater tank for a boat/motorhome etc
6. On the same page put your contact details, include name, phone, fax, delivery & postal address
7. Send your drawing and details to Atlas Tanks;

Fax: (07) 5438 2318  
Email: [atlas@atlastanks.com.au](mailto:atlas@atlastanks.com.au)  
Post: Atlas Tanks  
18 Allen Street  
Moffat Beach, QLD 4551

# Illustration of how to order custom-made tanks



Harry Bloggs  
Phone 07 5445 1844  
Fax 07 5445 1733  
Delivery Address;  
10 Harrybloggs Road  
Bloggsville State 1234  
Postal Address;  
PO Box 10  
Bloggsville State 1234

Blackwater holding tank for yacht  
Page 5

# About Our Standard Size Tanks

Our range of standard tanks are one piece moulded. Standard tanks are extremely strong and light weight, typically the wall thickness is between 6-8mm. Standard tanks are moulded from food grade Polyethylene and are ideal for freshwater, greywater and blackwater applications.

## Fittings

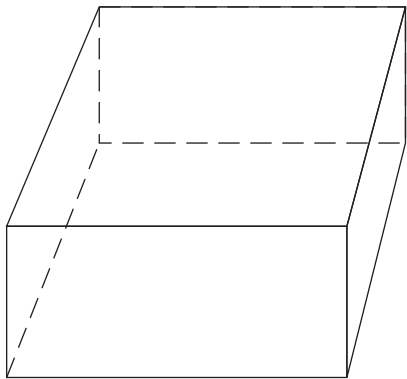
Inlets, outlets, breather and other fittings are supplied as BSPT female threaded ports. Fittings are applied to the tank after moulding and can be located just about anywhere on the tank. Sizes 3/8", 1/2", 3/4", 1", 1-1/4" 1-1/2" and 2".

## Custom-Moulded Tanks O.E.M.

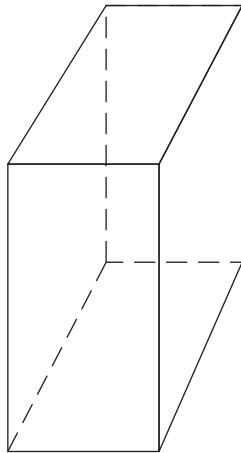
Where you have a need for a specific size or shape tank which you use regularly, we offer our O.E.M. service of custom moulded tanks. Custom-made moulded tanks represent outstanding value and convenience.

# Tank Orientation

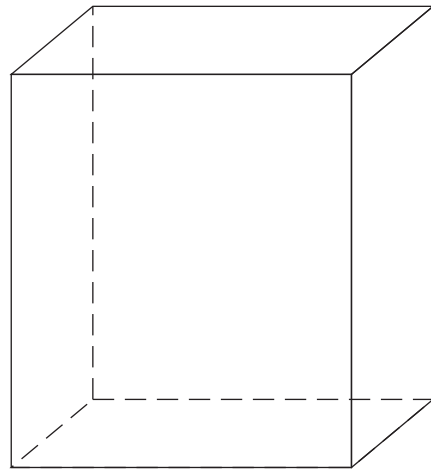
Tanks are moulded without fittings, so they can either lay flat, on their side or on their end.



Laying Flat



On side



On End

# How to Order Standard Size Tanks

1. Photocopy the page with the tank you require.
2. On the photocopied tank drawing, clearly mark the locations and sizes of your inlets, outlets and breathers. If exact locations are required, indicate in millimetres the centres of fittings.
3. On the same photocopied page put your contact details, include name, phone, fax, delivery & postal address.

4. Send your drawing and details to Atlas Tanks;

Fax: (07) 5438 2318

Email: [atlas@atlastanks.com.au](mailto:atlas@atlastanks.com.au)

Post: Atlas Tanks

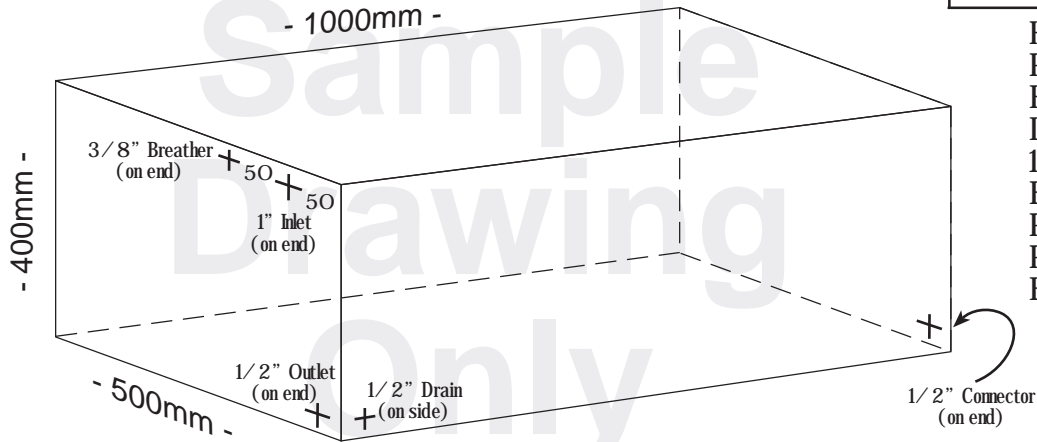
18 Allen Street

Moffat Beach, QLD 4551

# Illustration of how to order standard tanks

Freshwater tank for Motorhome

Tank: 1000 x 500 x 400

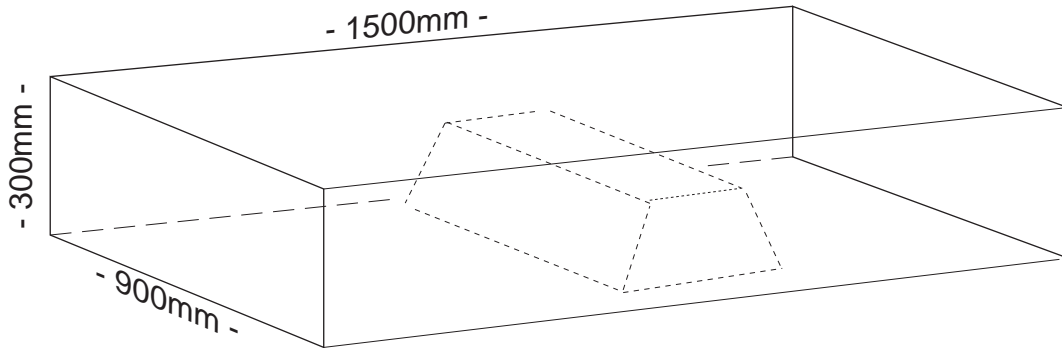


Harry Bloggs  
Phone 07 1234 5678  
Fax 07 1234 5678  
Delivery Address;  
10 Harrybloggs Road  
Bloggsville State 1234  
Postal Address;  
PO Box 10  
Bloggsville State 1234

*approximately 200 litres*

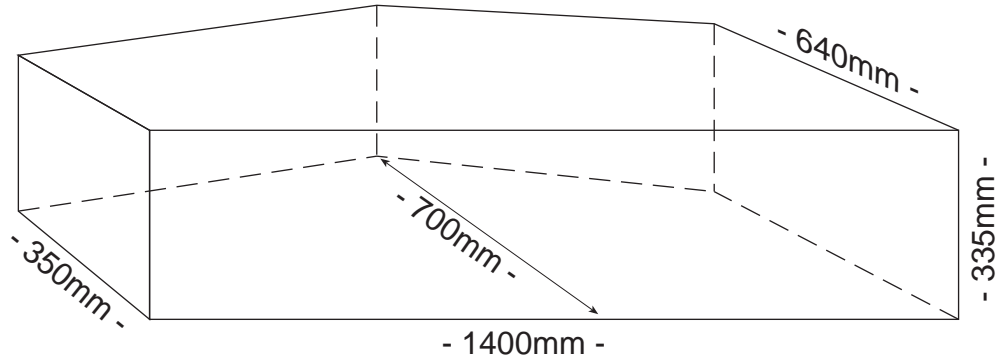
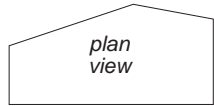
Tank: 1500 x 900 x 300

This tank has an internal  
moulded baffle



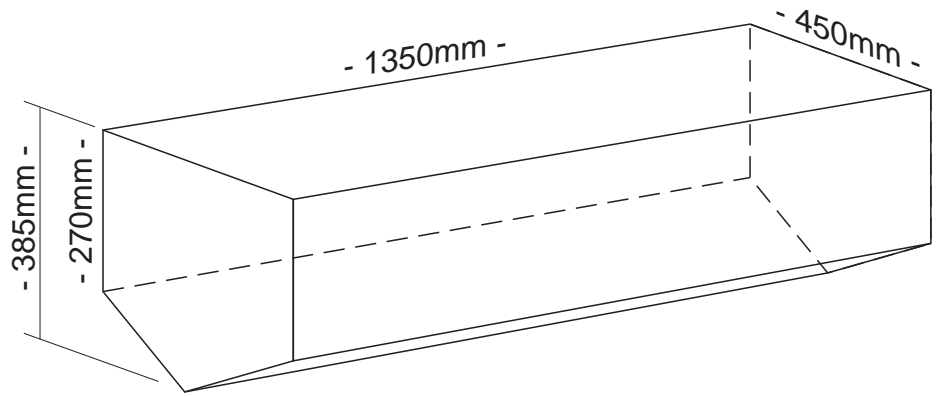
*approximately 400 litres*

Tank: 1400 x 350 > 640 > 700 x 335



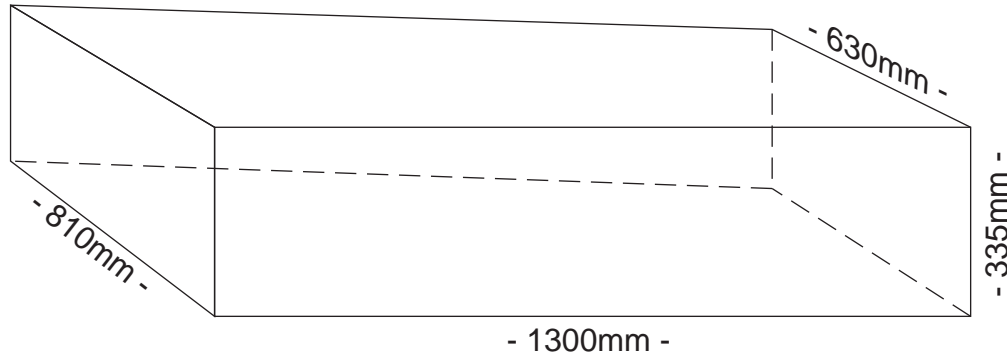
approximately 260 litres

Tank: 1350 x 450 x 270>385



*approximately 200 litres*

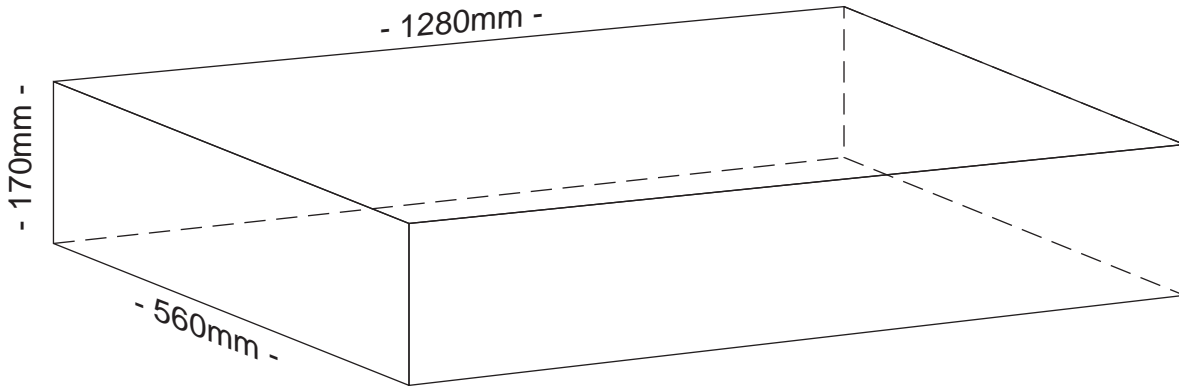
Tank: 1300 x 630 > 810 x 335



*plan  
view*

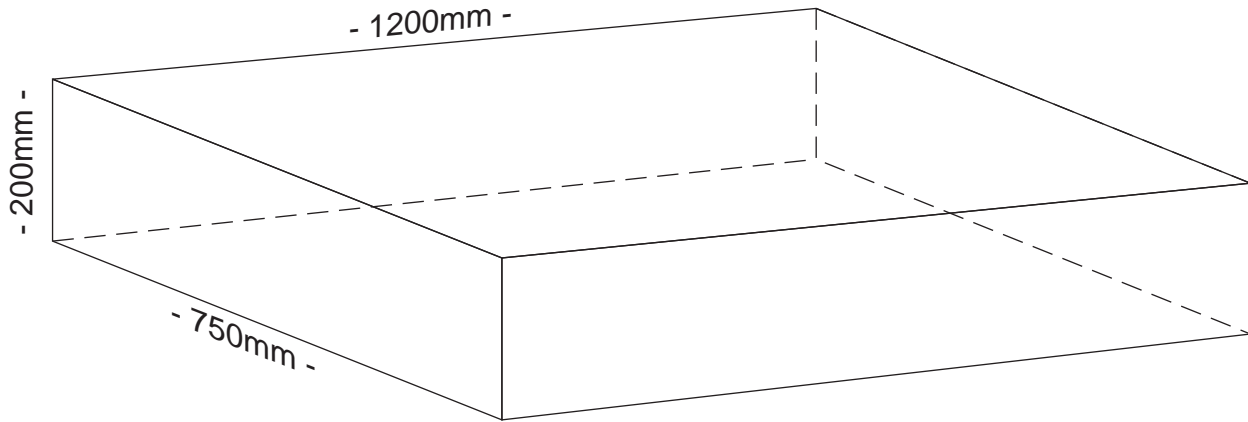
*approximately 310 litres*

Tank: 1280 x 560 x 170

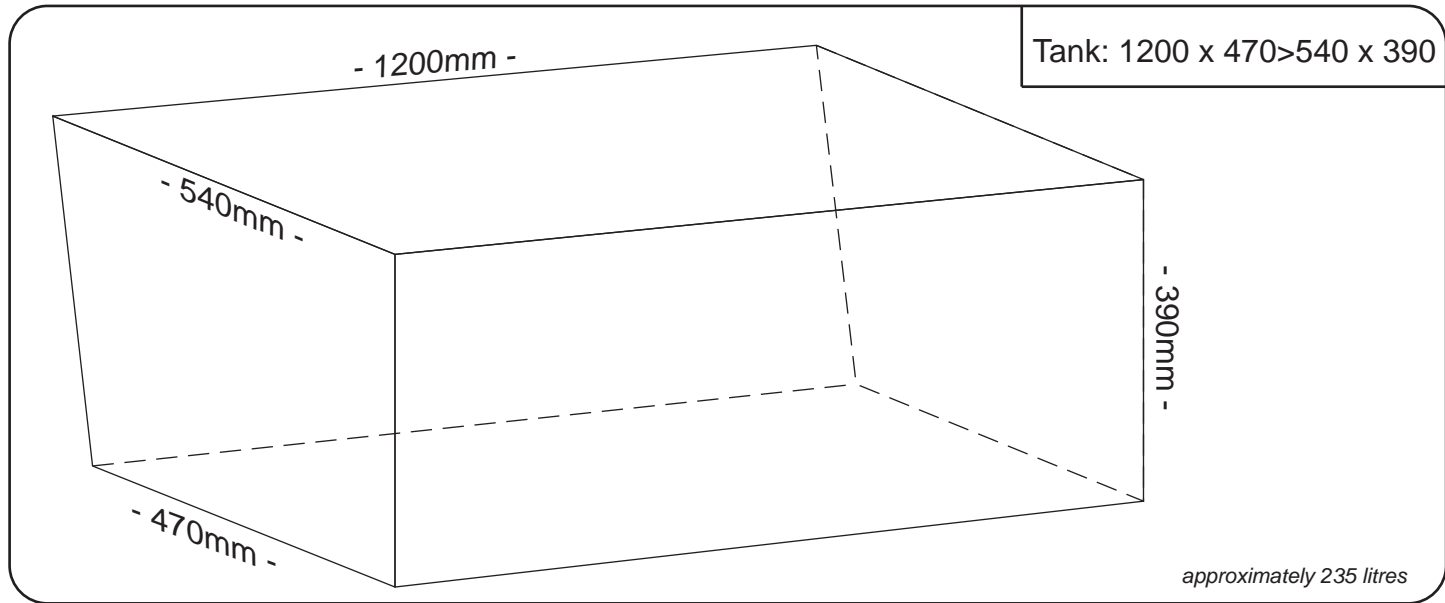


*approximately 120 litres*

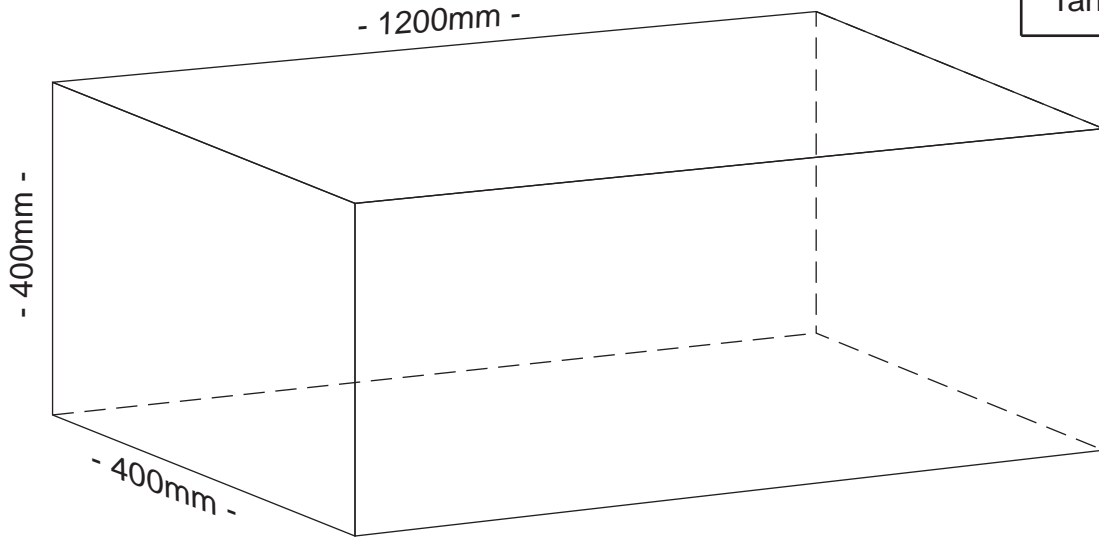
Tank: 1200 x 750 x 200



*approximately 180 litres*

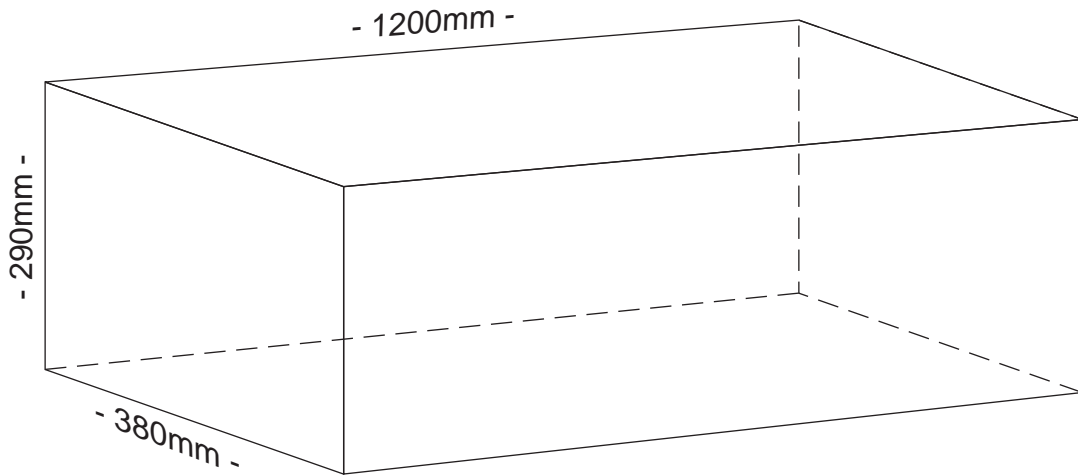


Tank: 1200 x 400 x 400



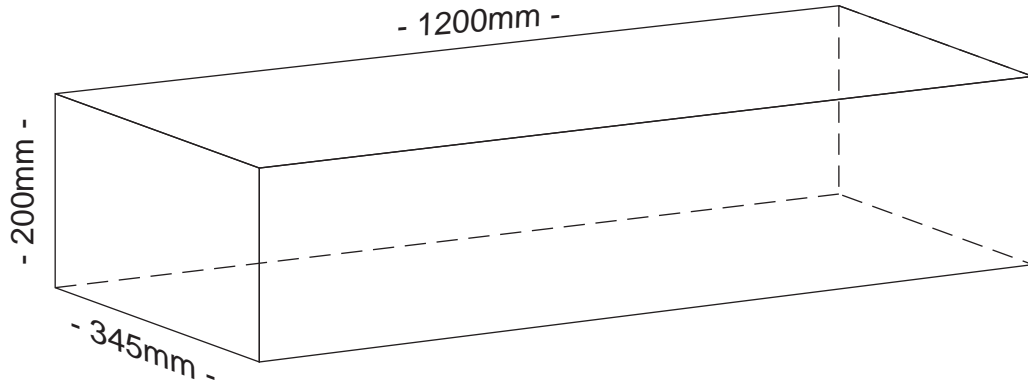
*approximately 190 litres*

Tank: 1200 x 380 x 290



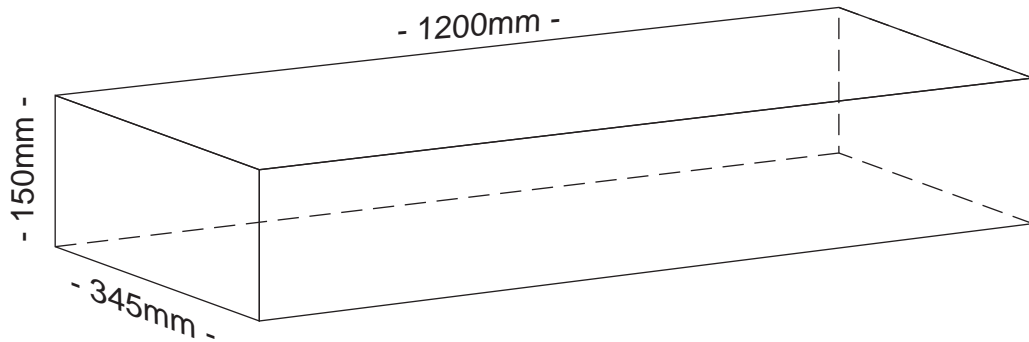
*approximately 130 litres*

Tank: 1200 x 345 x 200



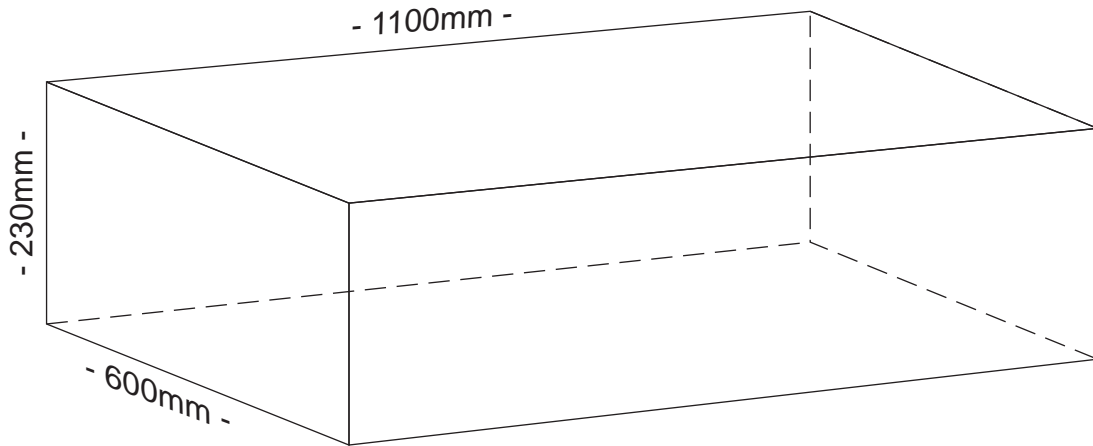
*approximately 83 litres*

Tank: 1200 x 345 x 150



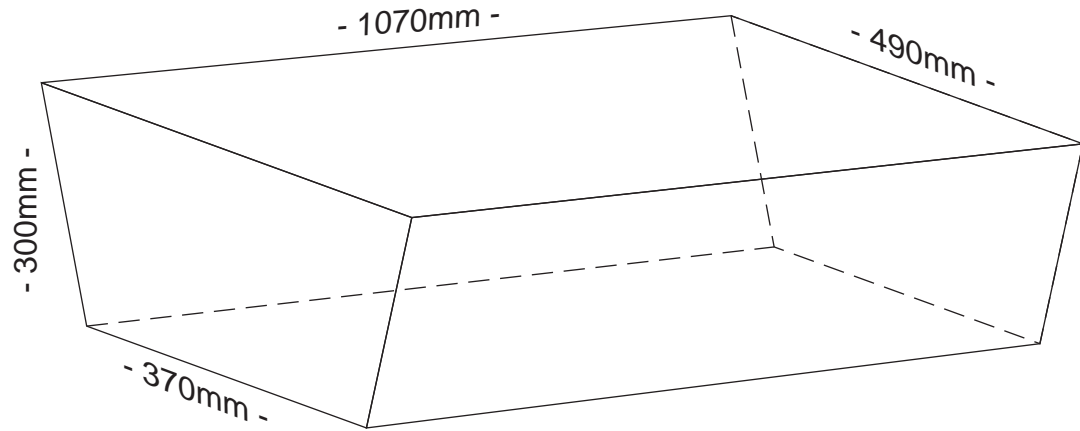
*approximately 62 litres*

Tank: 1100 x 600 x 230



*approximately 150 litres*

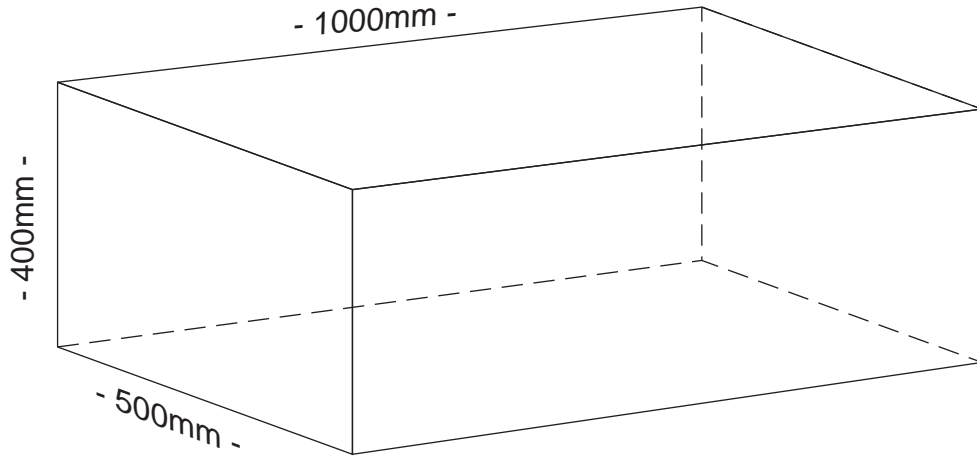
Tank: 1070 x 370 > 490 x 300



\*even taper both sides

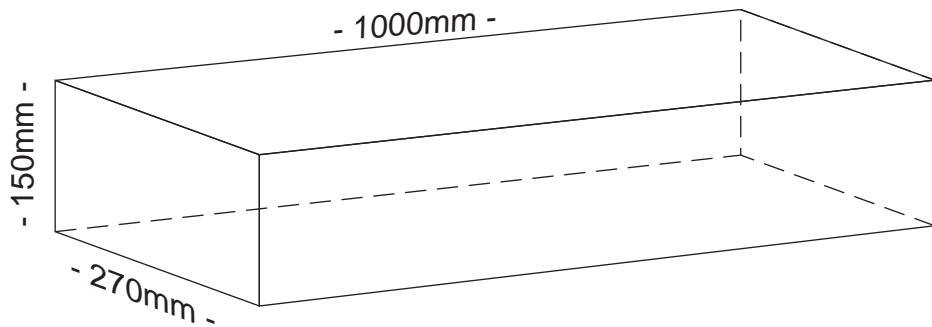
*approximately 135 litres*

Tank: 1000 x 500 x 400



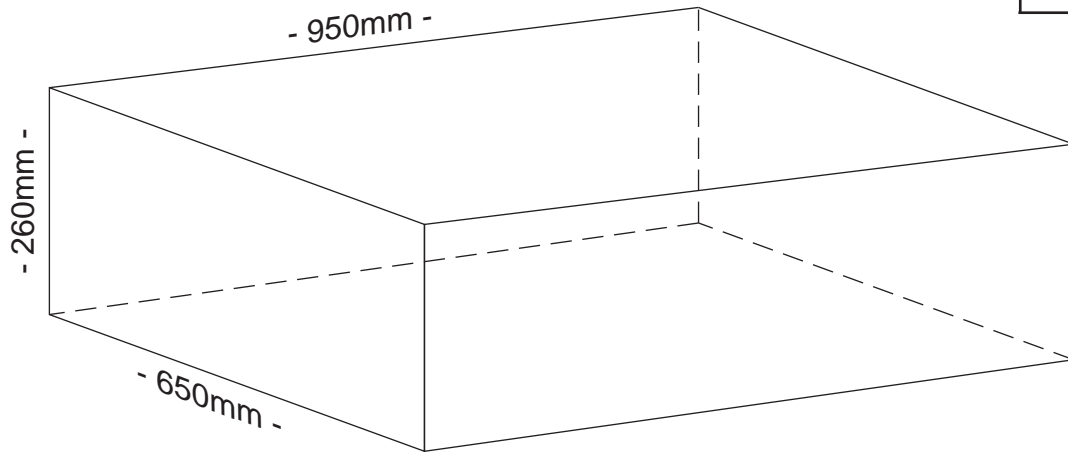
*approximately 200 litres*

Tank: 1000 x 270 x 150



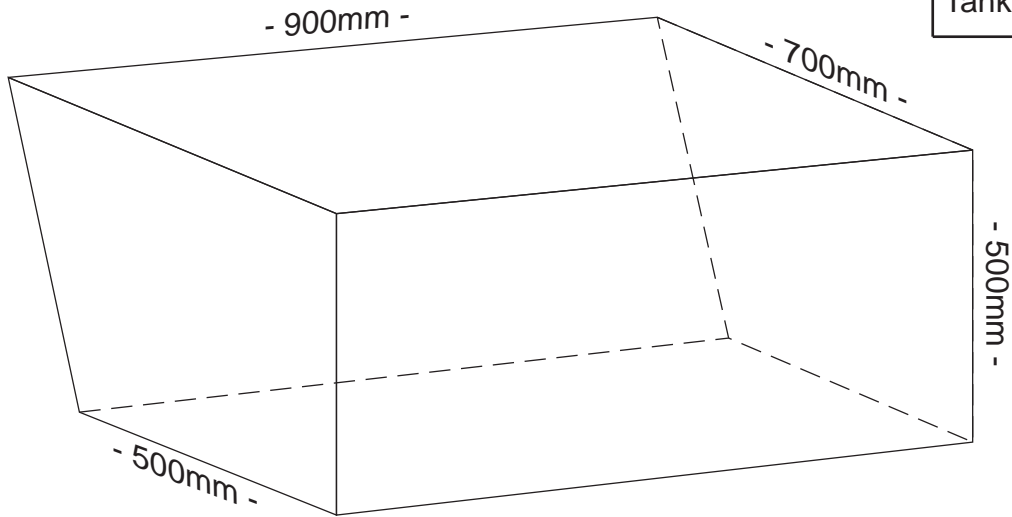
*approximately 40 litres*

Tank: 950 x 650 x 260



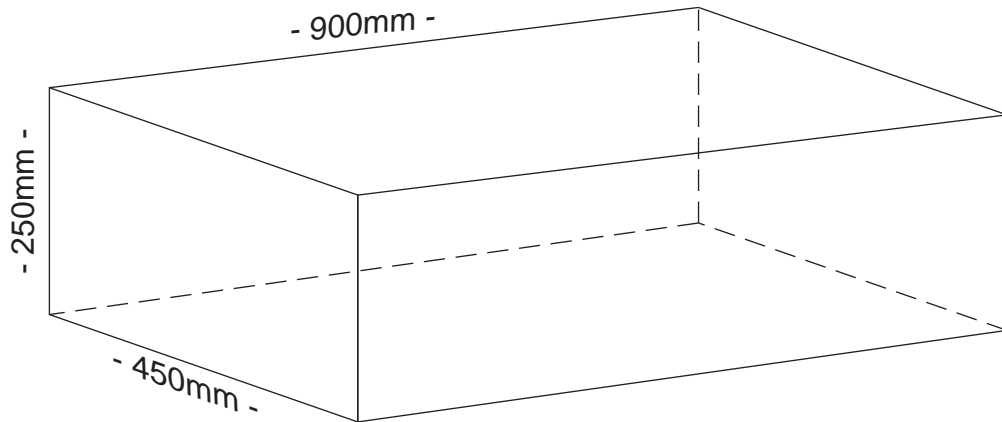
*approximately 155 litres*

Tank: 900 x 500 > 700 x 500



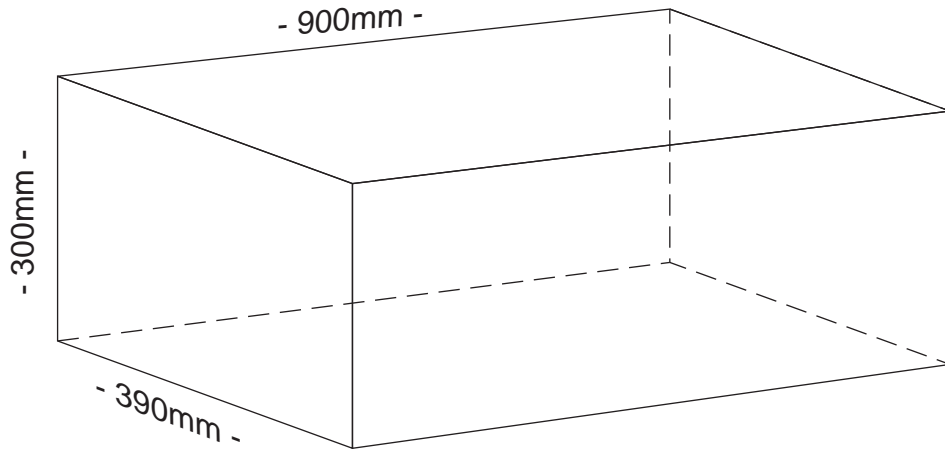
*approximately 235 litres*

Tank: 900 x 450 x 250

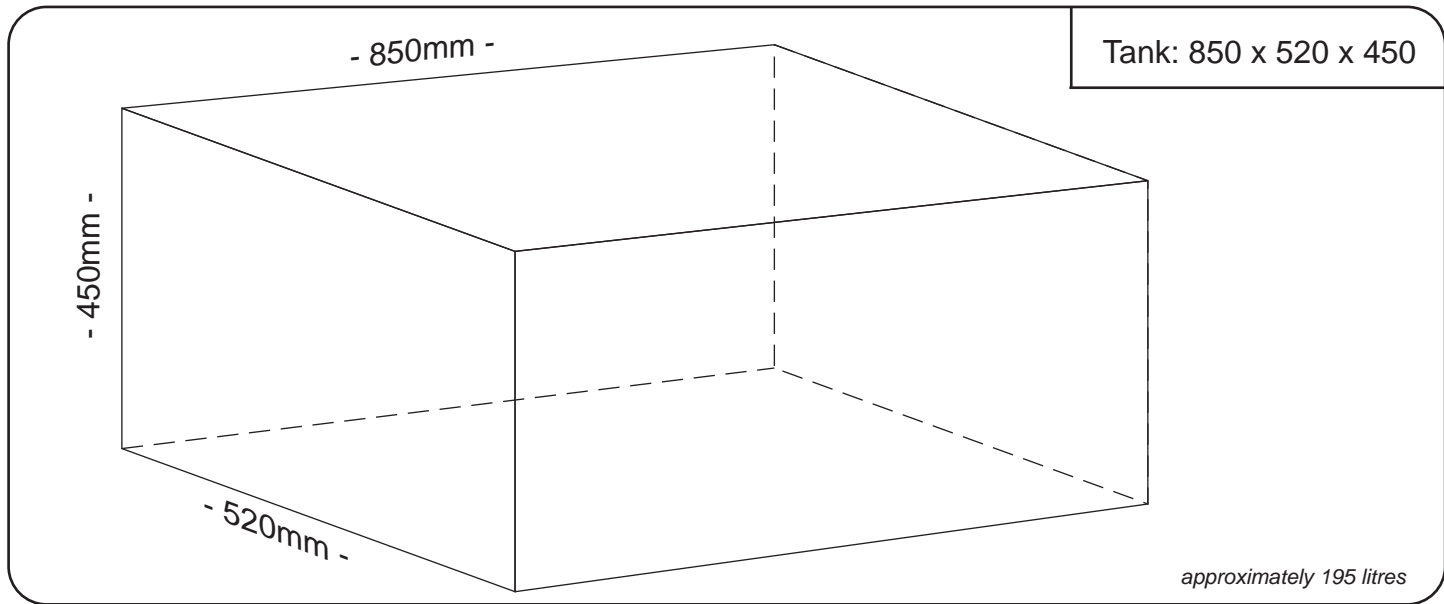


*approximately 100 litres*

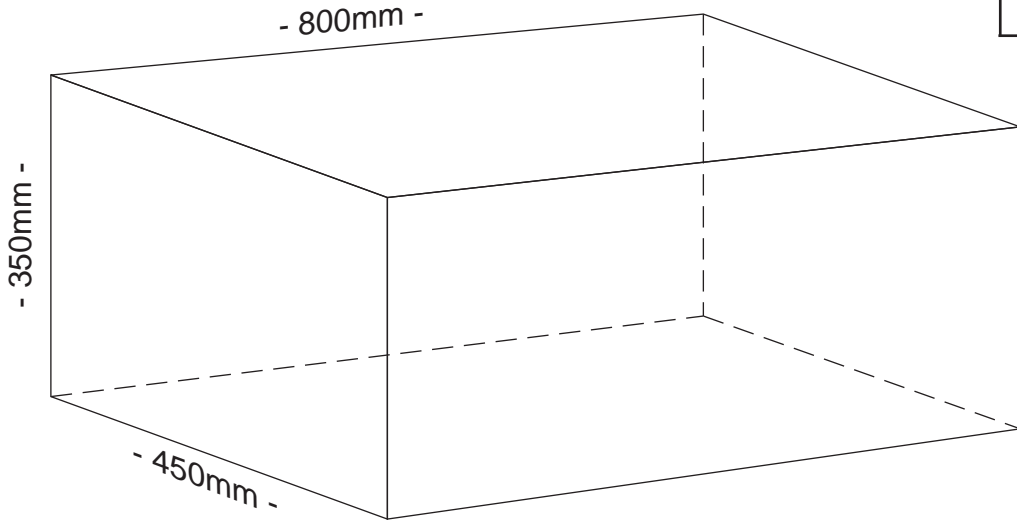
Tank: 900 x 390 x 300



*approximately 105 litres*



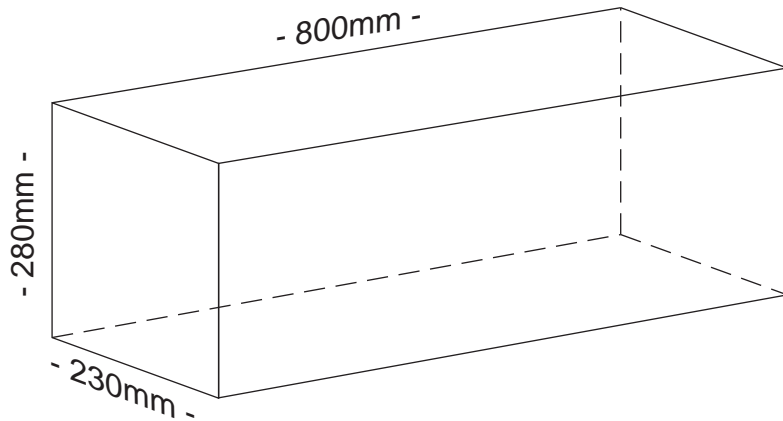
Tank: 800 x 450 x 350



*approximately 125 litres*

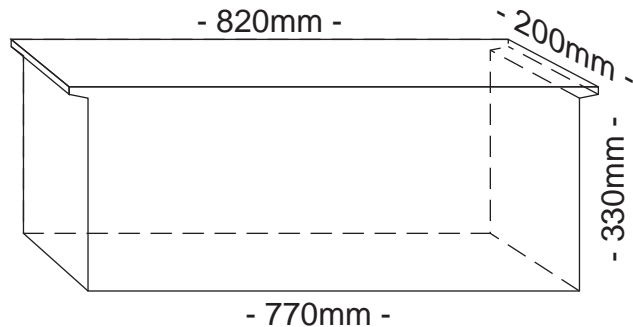
Suits Kia Pregio Van

Tank: 800 x 230 x 280

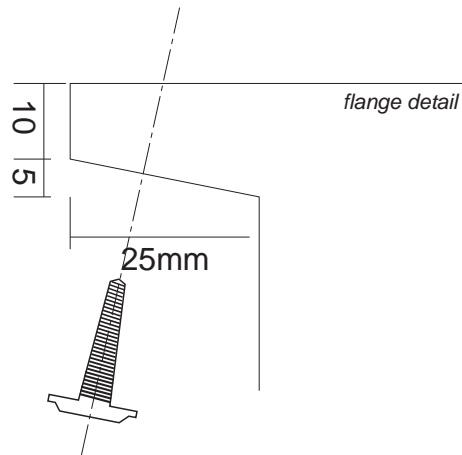


*approximately 50 litres*

Can be mounted under floor & fastened through flange

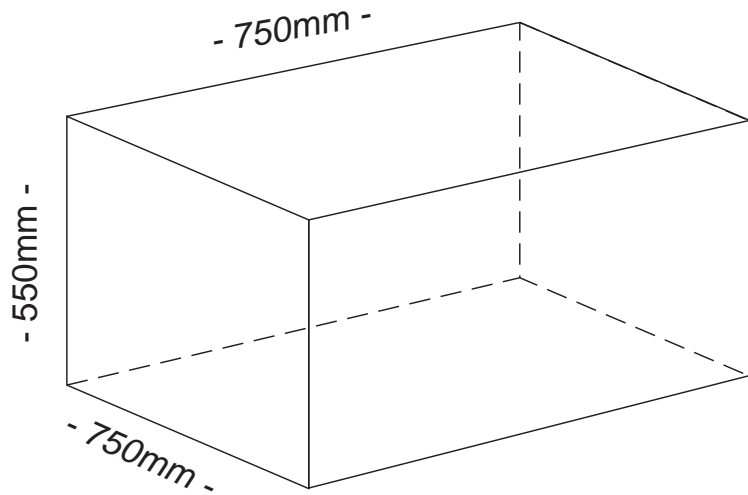


Tank: 770>820 x 200 x 330



*approximately 50 litres*

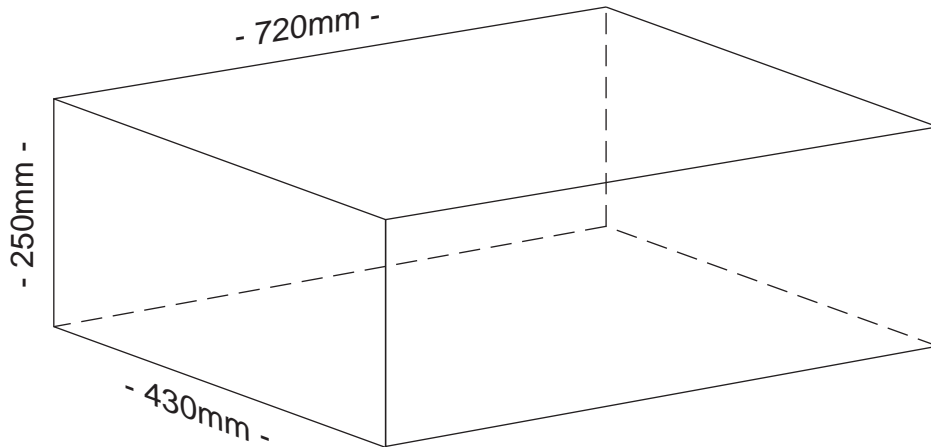
Tank: 750 x 750 x 550



*approximately 310 litres*

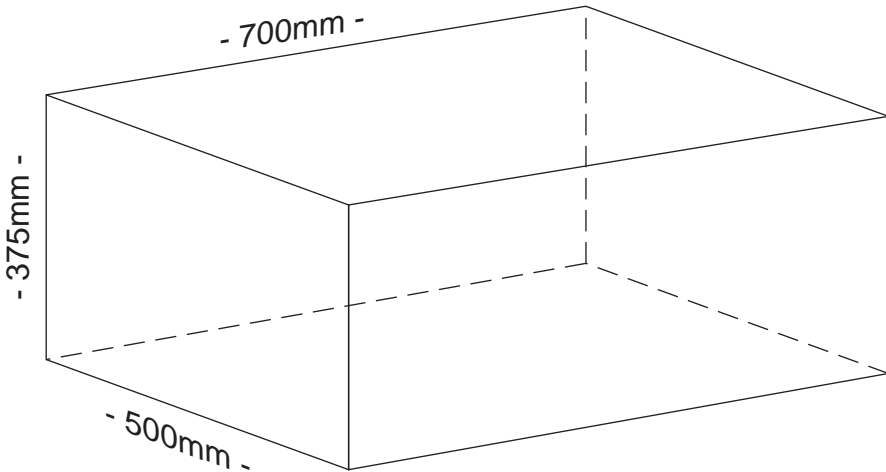
Suits Toyota Coaster

Tank: 720 x 430 x 250



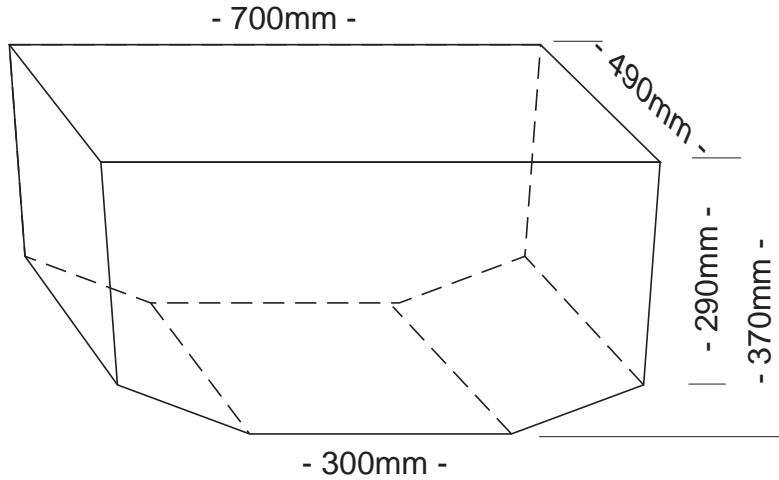
*approximately 75 litres*

Tank: 700 x 500 x 375



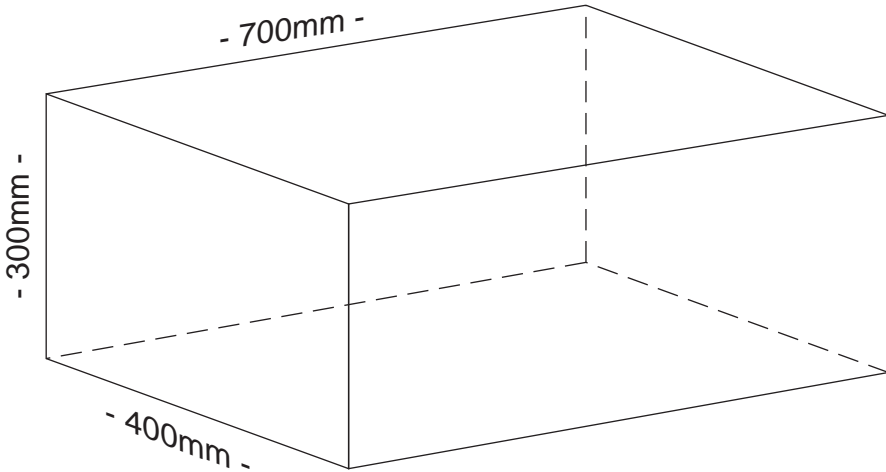
*approximately 130 litres*

Tank: 700 x 490 x 290>370



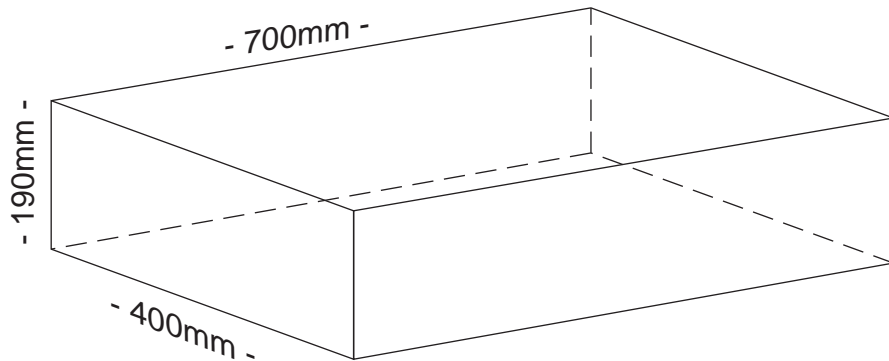
*approximately 110 litres*

Tank: 700 x 400 x 300



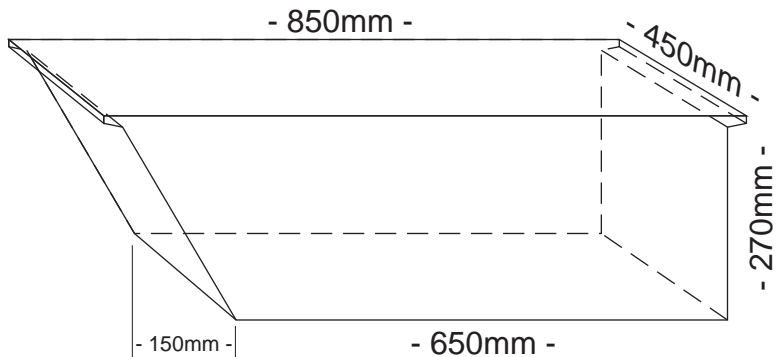
*approximately 84 litres*

Tank: 700 x 400 x 190

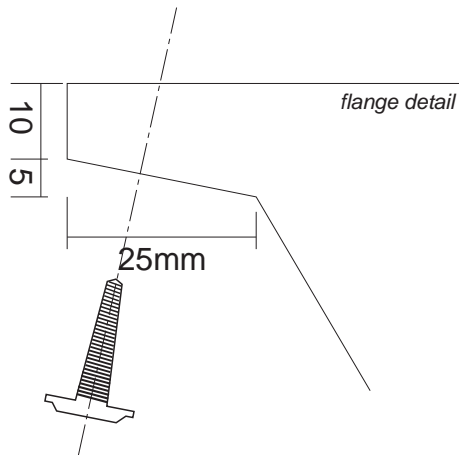


*approximately 50 litres*

Can be mounted under floor & fastened through flange

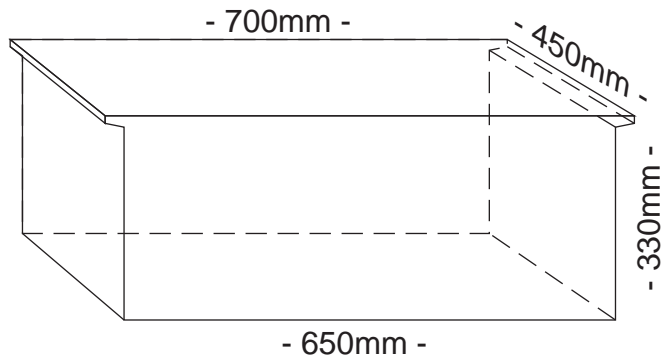


Tank: 650>850 x 450 x 270

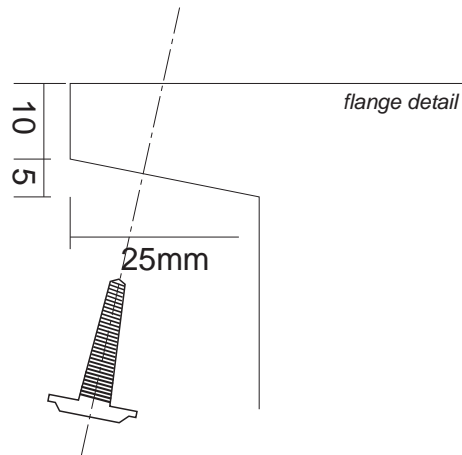


approximately 91 litres

Can be mounted under floor & fastened through flange



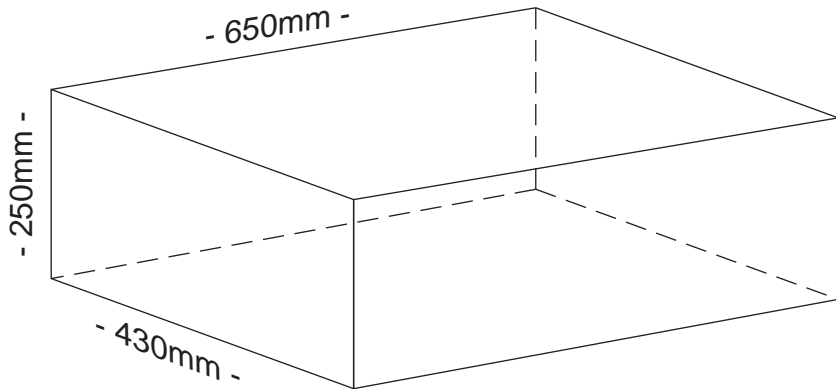
Tank: 650>700 x 450 x 330



*approximately 96 litres*

Suits Toyota Coaster

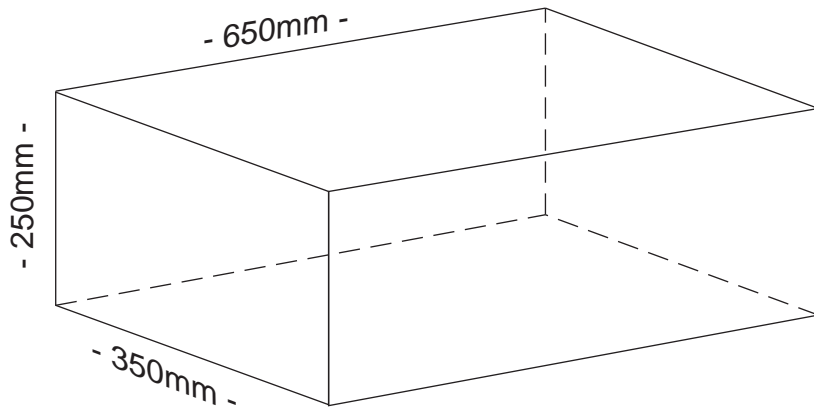
Tank: 650 x 430 x 250



*approximately 65 litres*

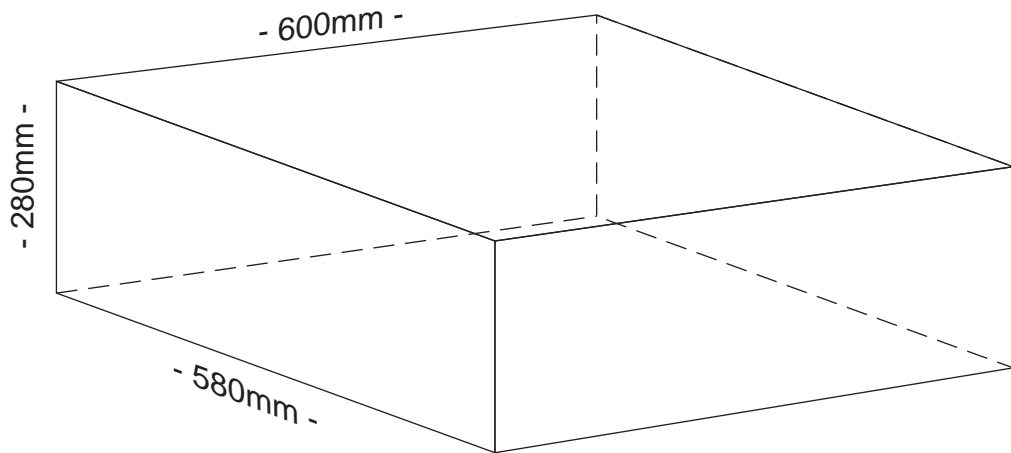
Suits Toyota Coaster

Tank: 650 x 350 x 250



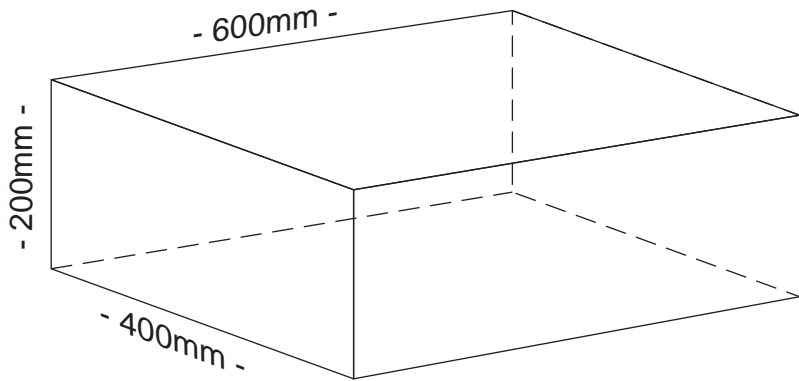
*approximately 55 litres*

Tank: 600 x 580 x 280



*approximately 95 litres*

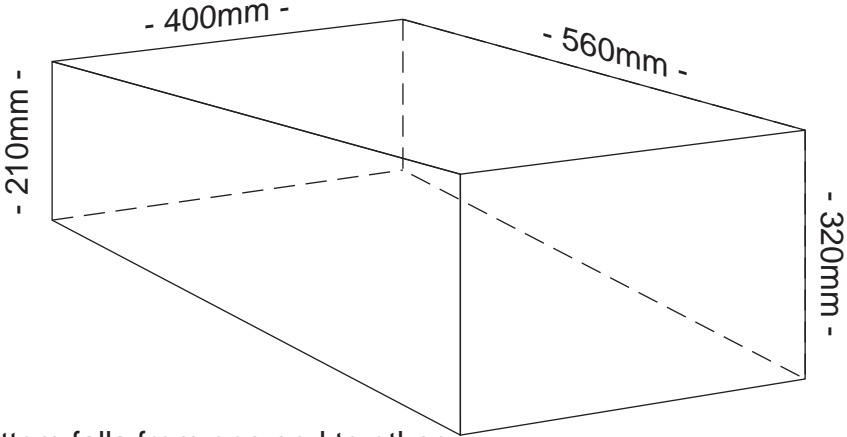
Tank: 600 x 400 x 200



*approximately 48 litres*

Tank: 560 x 400 x 210>320

Side view



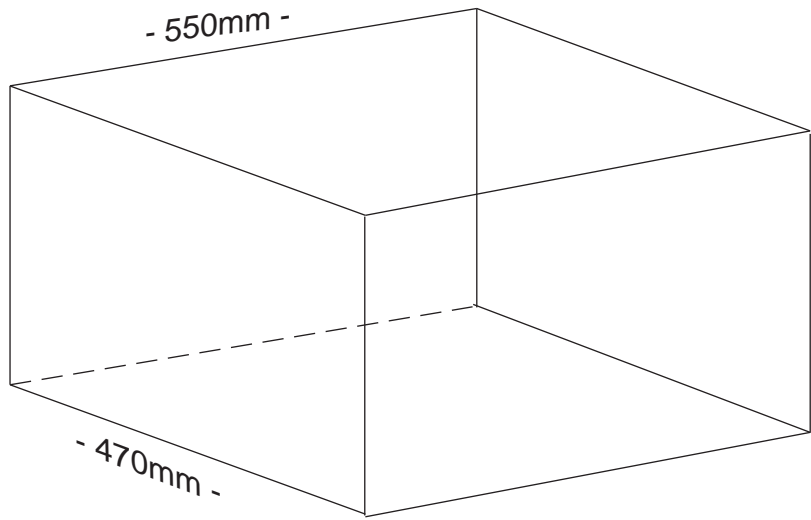
\*bottom falls from one end to other

*approximately 55 litres*

- 440mm -

- 550mm -

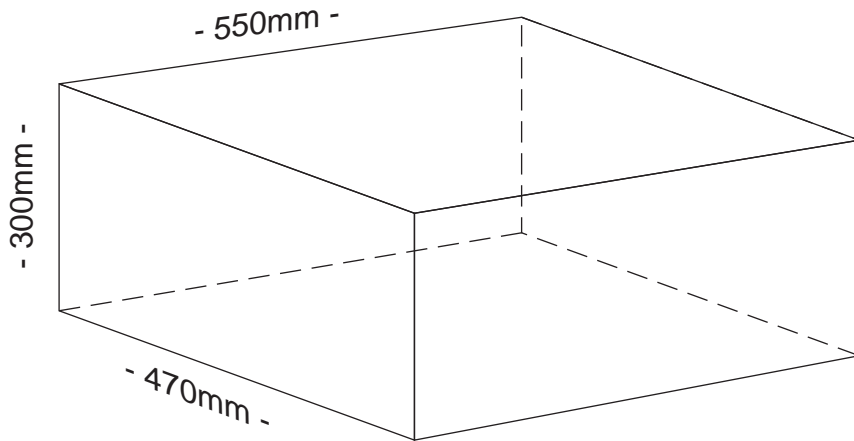
- 470mm -



Tank: 550 x 470 x 440

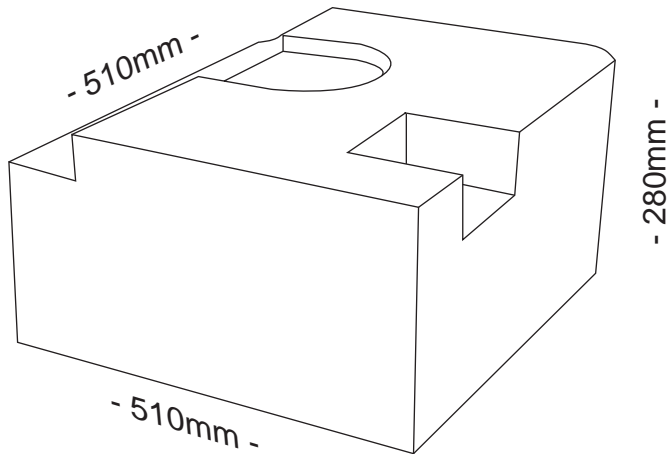
*approximately 112 litres*

Tank: 550 x 470 x 300



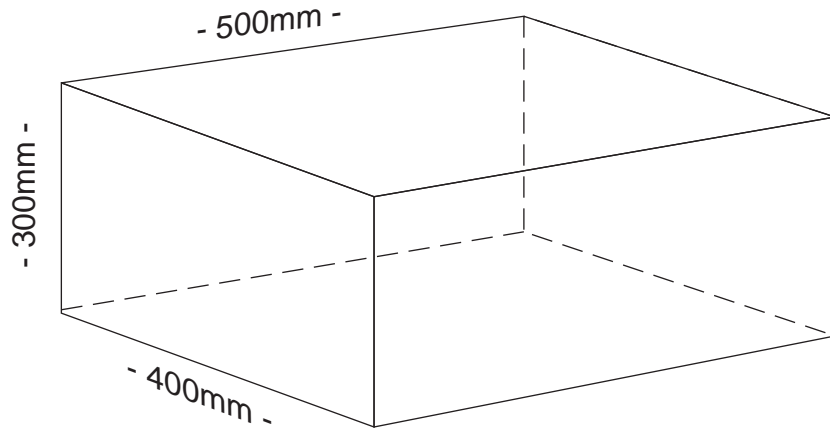
*approximately 75 litres*

Tank: 510 x 510 x 280



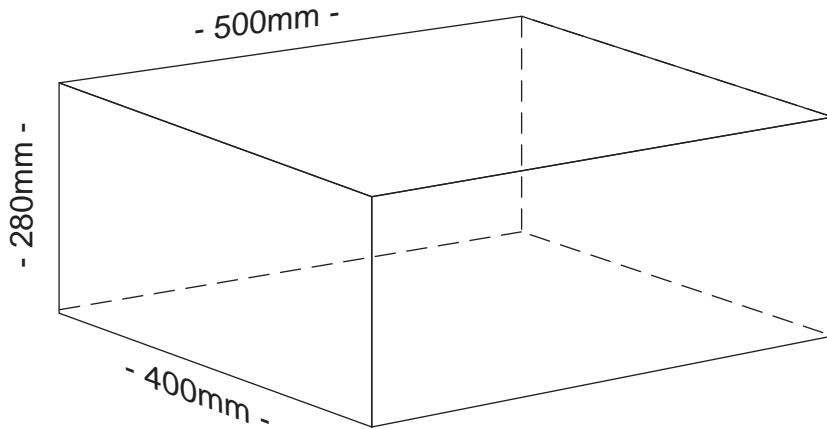
*approximately 65 litres*

Tank: 500 x 400 x 300



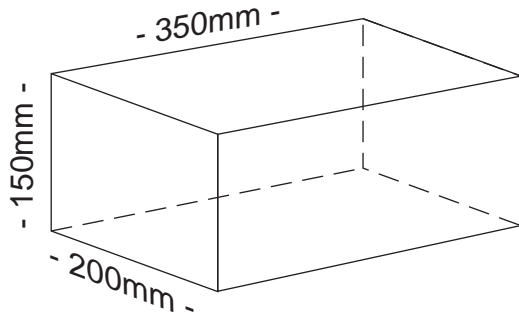
*approximately 60 litres*

Tank: 500 x 400 x 280



*approximately 55 litres*

Tank: 350 x 200 x 150



*approximately 10 litres*

# About Diesel Fuel Tanks

Our range of diesel fuel tanks are one piece moulded. The material used is specifically formulated for use in diesel tank applications. Typically the wall thickness is 10mm. The size of the tank and the fitting locations are fixed. Any of our standard size range can be moulded in diesel grade polyethylene.

## Fittings

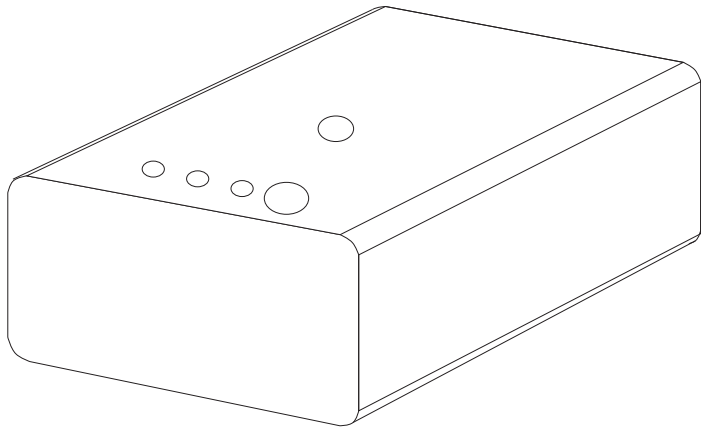
Each tank includes an 1-1/2" inlet, 1/2" or 3/8" outlet, 1/2" or 3/8" fuel return, 5/8" breather/vent and an optional 1-1/4" threaded port for tank sensor. Hosetails and pickup straw are included with diesel fuel tanks, however the sensor and gauge are at an additional cost.

## CE Certification

This specific range (page 52 - page 59) has been made to an ISO standard and is fully certified (CE). This means that if your vessel has to undergo marine survey, our tanks pass the necessary requirements.

## Diesel Fuel Tank Only

Tank: 600 x 400 x 200



### **Included with the tank**

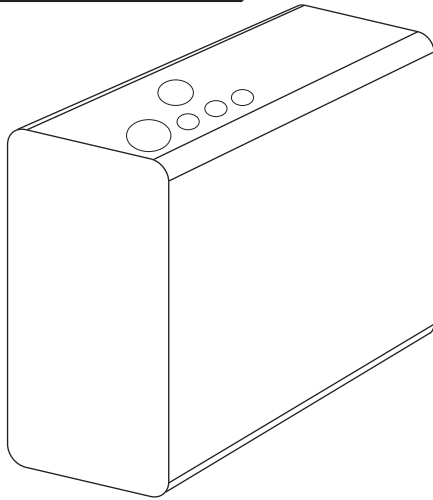
- 1 x 1-1/2" Filler Hosetail
- 1 x 5/8" Breather Hosetail
- 1 x 1/2" Pick-Up Hosetail
- 1 x 1/2" Return Hosetail

### **Optional**

- 3/8" Pick-Up Hosetail
- 3/8" Return Hosetail
- 1-1/4" Sensor Port

*approximately 40 litres*

## Diesel Fuel Tank Only



Tank: 600 x 200 x 400

### **Included with the tank**

- 1 x 1-1/2" Filler Hosetail
- 1 x 5/8" Breather Hosetail
- 1 x 1/2" Pick-Up Hosetail
- 1 x 1/2" Return Hosetail

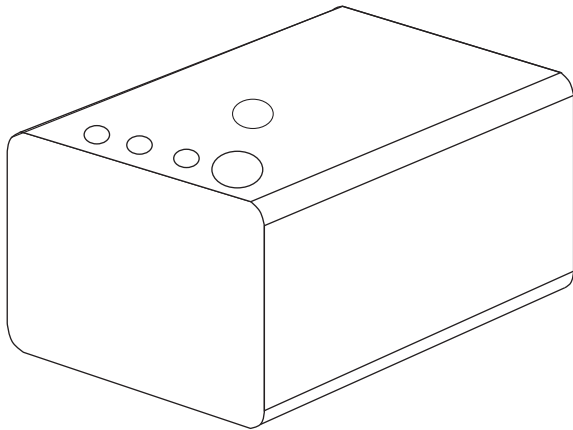
### **Optional**

- 3/8" Pick-Up Hosetail
- 3/8" Return Hosetail
- 1-1/4" Sensor Port

*approximately 40 litres*

## Diesel Fuel Tank Only

Tank: 500 x 400 x 300



### **Included with the tank**

- 1 x 1-1/2" Filler Hosetail
- 1 x 5/8" Breather Hosetail
- 1 x 1/2" Pick-Up Hosetail
- 1 x 1/2" Return Hosetail

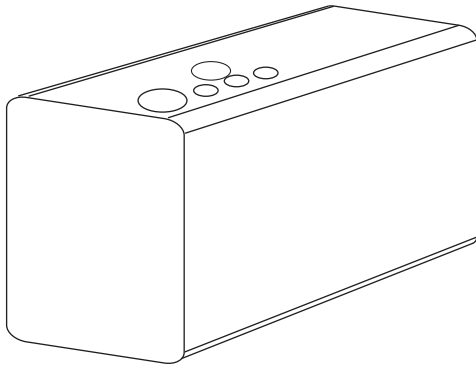
### **Optional**

- 3/8" Pick-Up Hosetail
- 3/8" Return Hosetail
- 1-1/4" Sensor Port

*approximately 52 litres*

## Diesel Fuel Tank Only

Tank: 500 x 300 x 400



### **Included with the tank**

- 1 x 1-1/2" Filler Hosetail
- 1 x 5/8" Breather Hosetail
- 1 x 1/2" Pick-Up Hosetail
- 1 x 1/2" Return Hosetail

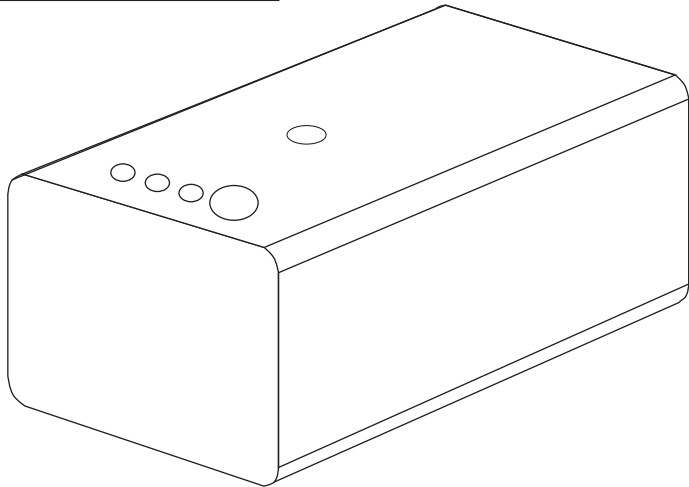
### **Optional**

- 3/8" Pick-Up Hosetail
- 3/8" Return Hosetail
- 1-1/4" Sensor Port

*approximately 52 litres*

## Diesel Fuel Tank Only

Tank: 900 x 400 x 300



### **Included with the tank**

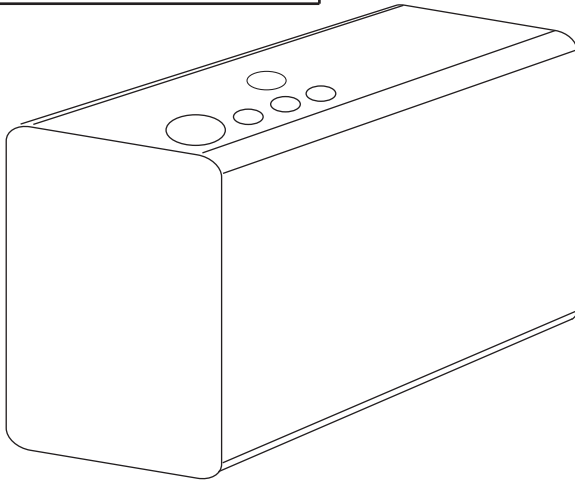
- 1 x 1-1/2" Filler Hosetail
- 1 x 5/8" Breather Hosetail
- 1 x 1/2" Pick-Up Hosetail
- 1 x 1/2" Return Hosetail

### **Optional**

- 3/8" Pick-Up Hosetail
- 3/8" Return Hosetail
- 1-1/4" Sensor Port

*approximately 100 litres*

## Diesel Fuel Tank Only



Tank: 900 x 300 x 400

### **Included with the tank**

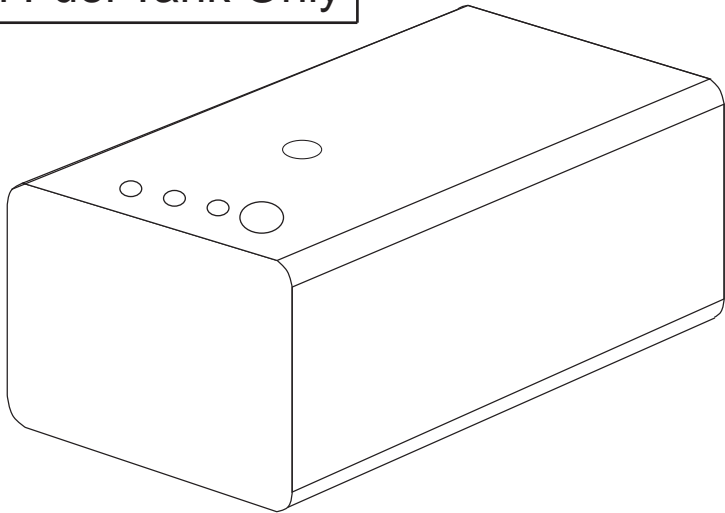
- 1 x 1-1/2" Filler Hosetail
- 1 x 5/8" Breather Hosetail
- 1 x 1/2" Pick-Up Hosetail
- 1 x 1/2" Return Hosetail

### **Optional**

- 3/8" Pick-Up Hosetail
- 3/8" Return Hosetail
- 1-1/4" Sensor Port

*approximately 100 litres*

## Diesel Fuel Tank Only



Tank: 1000 x 500 x 400

### **Included with the tank**

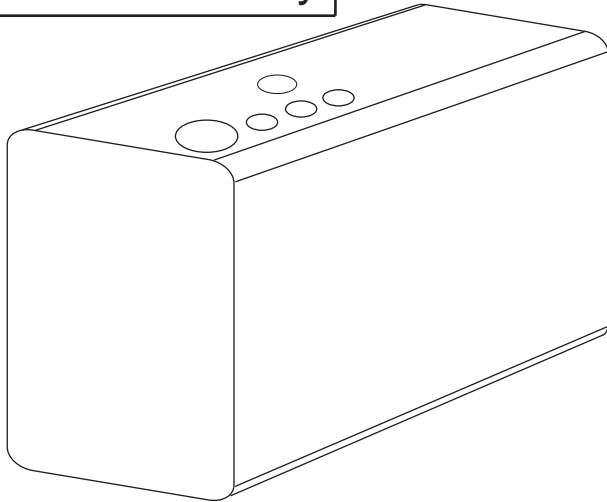
- 1 x 1-1/2" Filler Hosetail
- 1 x 5/8" Breather Hosetail
- 1 x 1/2" Pick-Up Hosetail
- 1 x 1/2" Return Hosetail

### **Optional**

- 3/8" Pick-Up Hosetail
- 3/8" Return Hosetail
- 1-1/4" Sensor Port

*approximately 185 litres*

## Diesel Fuel Tank Only



Tank: 1000 x 400 x 500

### **Included with the tank**

- 1 x 1-1/2" Filler Hosetail
- 1 x 5/8" Breather Hosetail
- 1 x 1/2" Pick-Up Hosetail
- 1 x 1/2" Return Hosetail

### Optional

- 3/8" Pick-Up Hosetail
- 3/8" Return Hosetail
- 1-1/4" Sensor Port

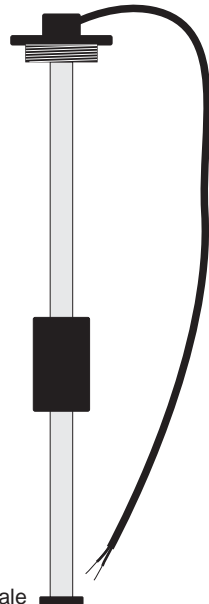
*approximately 185 litres*

# Gauges and Tank Sensors

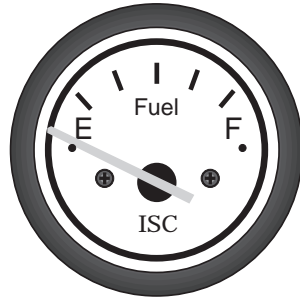
Atlas Tanks offers the option of a quality gauge and tank sensor for use with fresh, grey, blackwater and fuel tanks. These units work just like the fuel tank gauge in your car or motorhome. While power is provided you will have a continuous reading between empty and full.

Sensors are fitted through the tank top and reach to the bottom. Sensors for blackwater are a special type with the float unit inside a perforated cover to prevent blockage and malfunction.

Gauges can be mounted anywhere you need in the vehicle. Gauges are available for Fresh, Grey, Blackwater and fuel tanks.



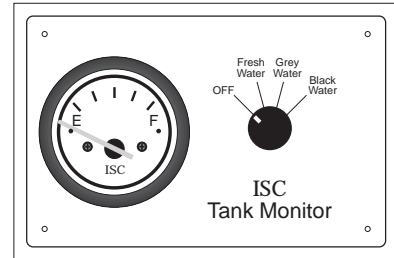
Sensor shown is not to scale



### Tank Gauges and Sensors

Water Tank Gauge  
Grey Water Gauge  
Black Water Gauge  
Fuel Tank Gauge  
Tank Monitor Selector  
Hold Tank Sensor 1 Segment  
Hold Tank Sensor 2 Segment  
Hold Tank Sensor 3 Segment  
Hold Tank Sensor 4 Segment  
Hold Tank Sensor 5 Segment

Water Tank Sensor 150mm  
Water Tank Sensor 200mm  
Water Tank Sensor 250mm  
Water Tank Sensor 300mm  
Water Tank Sensor 350mm  
Water Tank Sensor 400mm  
Water Tank Sensor 500mm  
Water Tank Sensor 600mm  
Water Tank Sensor 700mm  
Water Tank Sensor 800mm



Tank Monitor Selector

# Fittings Size Guide for Recreational Vehicles

## Freshwater Plumbing

**Filling**, generally the filler fitting size on your tank will be dictated by the type of filler point you install. Most through body fillers use a 1" fitting. Alternatively you can fill the tank with a cap on the tank itself.

**Breather**, all tanks must have a breather to let air in and out as you fill and drain the tank. Most standard through body fillers have a built in breather connection of 1/2".

**Outlet**, in almost all installations water going to a pump and from the pump to appliances within the vehicle will use a 1/2".

## Greywater Plumbing

**Inlets**, most appliances drain with a 40 mm fitting (old 1 1/2") and this is good practise. Any plumbing less than 40 mm will cause slow draining and ponding in shower units.

**Breather**, a breather of at least 1" is recommended, anything smaller will result in slow discharging of the tank.

## **Fittings Size Guide for Recreational Vehicles** continued

### **Greywater Plumbing**

**Outlet**, often the installation will dictate what size of outlet you will have to use. Generally it is ideal to drain the tank with an 1 1/2" outlet, but 1" is also very common. On larger tanks consider the use of a 3" knife valve system with a coupling lay flat hose. The hose can also be used with a knife valve on a blackwater tank.

### **Blackwater Plumbing**

**Inlet**, to your blackwater tank will be dictated by the type of toilet that you are using, consult your toilet specifications. We strongly recommend the use of macerating toilets (marine type).

**Breather**, in order to keep odour from your holding tank under control your breather or vent should be as large as possible. Ideally use a 1 1/2" breather.

**Outlet**, most common method is to use a knife valve system. A knife valve is mounted to the side or underside of the tank. The knife valve has a bayonet fitting which allows for the attachment of a hose connection which is run to the drain/sewer. Once the hose is in position, open the knife valve and drain away. Alternatively use a 1 1/2" ball valve.

# Fittings Size Guide for Boats

## Freshwater Plumbing

**Filling**, most commonly boats are filled via a 1 1/2" deck filler, some commercial and/or larger boats with very large capacity tanks use 2".

**Breather**, through hull or through wall breather types are most common and are usually 1/2".

**Outlet**, in almost all installations water going to a pump and from the pump to appliances will be 1/2" plumbing, large vessels sometimes plumb with 3/4". Check your pump specifications.

## Greywater Plumbing

**Inlets**, generally boats don't have a separate "greywater tank" where you are plumbing appliances which generate greywater we recommend 1 1/2" but you should also check the outlet sizes on any appliances.

**Breather**, a breather of at least 1" is recommended, anything smaller will result in slow discharging of the tank.

## **Fittings Size Guide for Boats** continued

### **Greywater Plumbing**

**Outlet**, as most boats generally use the blackwater or holding tank, see blackwater plumbing. If you are having a greywater tank use at least a 1 1/2" outlet.

### **Blackwater Plumbing**

**Inlet**, to your blackwater tank will be dictated by the type of toilet that you are using, consult your toilet specifications. We strongly recommend the use of macerating toilets (marine type). Most macerating toilets and pumps have an outlet size of 1". Most hand pump toilets have an outlet size of 1 1/2".

**Breather**, in order to keep odour from your holding tank under control your breather or vent should be as large as possible. The Australian Standard for holding tanks onboard pleasure boats call for a 1 1/2" breather, while this is ideal it is not always possible. Fit the largest breather your installation allows, if you can only fit 1/2" then consider fitting 2 breathers.

**Outlet**, going to a deck fitting for pump out at a marina will be universally 1 1/2". Outlet going to a macerating pump then through the hull overboard will be 1 1/2" to the pump. Hand pump to pump overboard will usually be 1 1/2", check pump specifications.

# Frequently Used Terms

Freshwater	=	Drinking water
Greywater	=	Water from sinks, showers
Blackwater	=	Waste from toilet
Holding Tank	=	Blackwater tank
Potable water	=	Drinking water
Macerator/ing	=	Change from solid to sludge
Pick-up	=	Outlet on top of tank
Straw	=	Outlet on top of tank
Breather	=	Fitting to allow air in and out
Vent	=	Fitting to allow air in and out
Hosetail	=	Fitting used between tank and hose
Knife Valve	=	Outlet fitting on blackwater tank
Gate Valve	=	Outlet fitting on blackwater tank
Slide Valve	=	Outlet fitting on blackwater tank
Weight	=	1 litre equals 1 kilogram
Threaded Port	=	A hole in tank with female thread
BSPT	=	British Standard Plumbing Tapered
Gauge	=	Method of indicating tank contents amount
Sensor	=	Device used to measure tank contents
Sight Gauge	=	Clear tube to show contents amount
Inspection Port	=	Used to gain access to the inside of tank



Back Cover