



**ORION**  
**AUSTRALIA**

DIFFERENT. BETTER. GUARANTEED.

# RAINWATER TANKS

Tasmanian Product Handbook

2022/23



# Welcome!

Orion Australia P/L is Tasmania's leading innovator and manufacturer of rainwater tanks and related products.

Since 1998, we've been dedicated to providing water storage and conservation solutions backed by top quality service and products.

Our team are 100% committed to you, our client, and we look forward to the opportunity to work with you.

Thank you and please read on.



# ORION AUSTRALIA

DIFFERENT. BETTER. GUARANTEED.



## POLY RAINWATER TANKS - TASMANIA'S LARGEST RANGE!

- **PEACE OF MIND.**  
Round poly tanks are guaranteed for 15 years!
- **TOTALLY SAFE.**  
We use only BPA Free, certified food grade polymer.
- **MADE TO HANDLE TASMANIAN SUN.**  
Double strength UV stabiliser package in all tanks.
- **TOUGH. REALLY TOUGH.**  
Single piece moulding - no welds or joins.
- **NO DEGRADATION.**  
Totally free of rust or corrosion.
- **LOCALLY MADE.**  
Made in Tasmania, supporting local industry and jobs.

### STANDARD INCLUSIONS:



Inlet Strainer Basket



Strainer Basket Cover



Brass Gate Valve



Overflow Strainer



10m roll of PTFE Thread Tape



Installation Guide & Warranty



'Rapid Seal' Overflow fitting





# ROUND RAINWATER TANKS



## YOU ASK? WE ANSWER.

- Q:** Can I change the position of tank fittings?
- A:** Yes, sure. Please discuss with us.
- Q:** How do I prepare a base for a tank?
- A:** See back page.
- Q:** What is the delivery process? How many people do I need on site?
- A:** See back page.
- Q:** What accessories are most popular?
- A:** See Pg 11

CODE	CAPACITY (LITRES)	DIAMETER* (mm)	INLET HEIGHT* (mm)	STANDARD OUTLET SIZE	STANDARD OUTLET POSITION/S	STANDARD OVERFLOW POSITION
RT00160	160	495	900	1 x 1" (25mm)	6:00	12:00
RT00500	500	820	1320	2 x 1" (25mm)	3:00 & 9:00	12:00
RT00550LP	550	1050	850	2 x 1" (25mm)	3:00 & 9:00	12:00
RT00950	950	960	1440	2 x 1" (25mm)	3:00 & 9:00	12:00
RT01100LP	1,100	1350	1040	2 x 1" (25mm)	3:00 & 9:00	12:00
RT02100LP	2,100	1560	1270	2 x 1" (25mm)	3:00 & 9:00	12:00
RT02400	2,400	1350	1900	2 x 1" (25mm)	3:00 & 9:00	12:00
RT04600	4,600	1700	2250	2 x 1" (25mm)	3:00 & 9:00	12:00
RT06300LP	6,300	2600	1380	2 x 1½" (40mm)	3:00 & 9:00	12:00
RT11250	11,250	2560	2300	2 x 1½" (40mm)	3:00 & 9:00	12:00
RT15000	15,000	3100	2200	2 x 1½" (40mm)	3:00 & 9:00	12:00
RT22000	22,000	3400	2600	2 x 1½" (40mm)	3:00 & 9:00	12:00
RT23000	23,000	3625	2375	2 x 1½" (40mm)	3:00 & 9:00	12:00
RT26000	26,000	3400	3150	2 x 1½" (40mm)	3:00 & 9:00	12:00

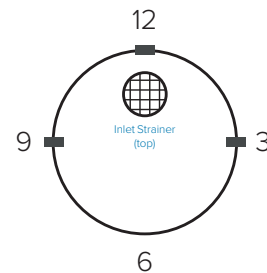
\*Dimensions are approximate due only to variable shrinkage rates of polymer during the moulding process.

### AVAILABLE COLOURS:

Off White Surf Mist™	Armour Grey Windspray®	Metal Grey Ironstone®	Mountain Blue Deep Ocean®	Wallaby®	Dusk Evening Haze®	Mist Green Pale Eucalypt®	River Gum Wilderness®	Heritage Green Cottage Green®	Gull Grey Shale Grey®
Autumn Brown Jasper®	Basalt®	Smooth Cream Classic Cream®	Merino Paperbark®	Heritage Red Manor Red®	Birch Grey Dune®	Slate Grey Woodland Grey®	Monument Grey Monument®	Ebony Night Sky®	

Due to variations in printing process, colours shown may not be a true representation of actual colour. Please confirm at time of order.

### ROUND TANK DIAGRAM



# BULK STORAGE TANKS



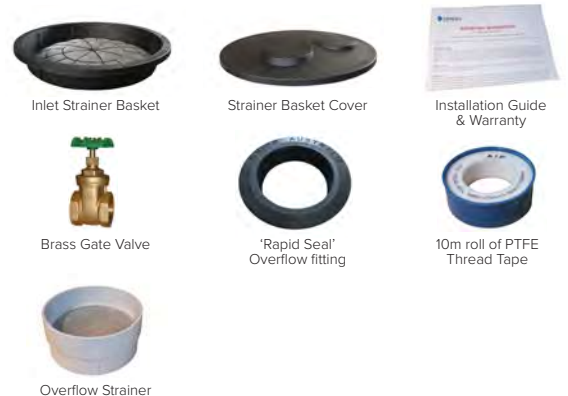
RT22000

RT26000

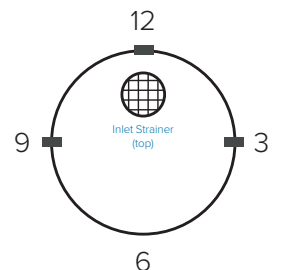
## AS BIG AS IT GETS!

- MAXIMISE YOUR STORAGE!**  
 The massive 26,000L (26KL) capacity tank is the largest poly tank manufactured in Tasmania!
- TOTALLY VERSATILE.**  
 Ideal for both domestic and industrial applications.
- INDUSTRIAL QUALITY.**  
 Can be manufactured as extra heavy-duty tanks for high SG liquids.
- YOU CHOOSE THE COLOUR!**  
 Available in a large range of colours to suit your colour scheme.
- AVAILABLE STATEWIDE.**  
 Delivered free to site in most areas of Tasmanian mainland!

### STANDARD INCLUSIONS:



### BULK TANK DIAGRAM



CODE	CAPACITY (LITRES)	DIAMETER* (mm)	INLET HEIGHT* (mm)	STANDARD OUTLET SIZE	STANDARD OUTLET POSITIONS	STANDARD OVERFLOW POSITION
RT22000	22,000	3400	2600	2 x 1½" (40mm)	3:00 & 9:00	12:00
RT26000	26,000	3400	3150	2 x 1½" (40mm)	3:00 & 9:00	12:00

\* Dimensions are approximate due only to variable shrinkage rates of polymer during the moulding process.

### AVAILABLE COLOURS:

Off White Surf Mist™	Armour Grey Windspray®	Metal Grey Ironstone®	Mountain Blue Deep Ocean®	Wallaby®	Dusk Evening Haze®	Mist Green Pale Eucalypt®	River Gum Wilderness®	Heritage Green Cottage Green®	Gull Grey Shale Grey®
Autumn Brown Jasper®	Basalt®	Smooth Cream Classic Cream®	Merino Paperbark®	Heritage Red Manor Red®	Birch Grey Dune®	Slate Grey Woodland Grey®	Monument Grey Monument®	Ebony Night Sky®	

Due to variations in printing process, colours shown may not be a true representation of actual colour. Please confirm at time of order.





# SLIMLINE RAINWATER TANKS



## SAVE SPACE & SAVE WATER!

- MAKE THE MOST OF TIGHT SPACES!**  
 Slimline profiles allow water storage in small and confined spaces.
- REST EASY!**  
 They're guaranteed for 10 years!
- BUY WITH CONFIDENCE!**  
 Double strength UV Stabiliser package is standard in all tanks.
- LOOK THE PART!**  
 Large range of colours and designs available for every situation!  
 See colour chart on page 4 for available colours.
- PROTECT YOUR ASSETS!**  
 Ensure clean, year-round water supply for gardens, ponds and pools.
- MEET REGULATORY REQUIREMENTS!**  
 Slimline tanks are ideal for use as stormwater detention tanks when required.

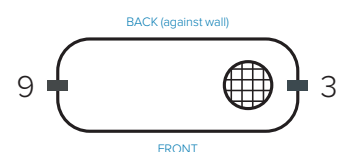
### STANDARD INCLUSIONS:



CODE	CAPACITY (LITRES)	LENGTH* (mm)	WIDTH* (mm)	INLET HEIGHT* (mm)	STANDARD OUTLET SIZE	STANDARD OUTLET POSITIONS	STANDARD OVERFLOW POSITION
SDT0600	600	1180	640	1270	2 x 1" (25mm)	3:00 & 9:00	3:00
SDT1000	1000	1800	500	1690	4 x 1" (25mm)	3:00 & 9:00 <sup>1</sup>	3:00
PJT1600	1600	1530	730	2020	4 x 1" (25mm)	3:00 & 9:00 <sup>1</sup>	3:00
PJT2000	2000	2400	600	2020	4 x 1" (25mm)	3:00 & 9:00 <sup>1</sup>	3:00
PJQ2000SM	2000	2100	650	2150	4 x 1" (25mm)	3:00 & 9:00 <sup>1</sup>	3:00
PJT3000	3000	2500	760	2020	4 x 1" (25mm)	3:00 & 9:00 <sup>1</sup>	3:00
PJT5000	5000	3290	1020	2010	4 x 1" (25mm)	3:00 & 9:00 <sup>1</sup>	3:00

\* Dimensions are approximate due only to variable shrinkage rates of polymer during the moulding process.  
<sup>1</sup> Floor & bucket tap height

### SLIMLINE TANK DIAGRAM





# FIREFIGHTING WATER TANKS



## COMPLY WITH CONFIDENCE!

- EVERYTHING YOU NEED!**

Supplied with all the items that you need to ensure compliance with Tas Fire Service (TFS) requirements.

- SUPPORT AUSTRALIAN MADE.**

Manufactured from 100% Australian steel.

- BUY WITH CONFIDENCE.**

Every tank is *fully water tested* (filled and emptied) prior to despatch from factory.

### STANDARD INCLUSIONS:



Inlet Strainer Basket



Strainer Basket Cover



Corrugated Overflow Pop (supplied loose)



'W' Sign – complies with TFS requirements



Nickel plated ball valve, aluminium Storz outlet and aluminium cap – complies with TFS requirements.

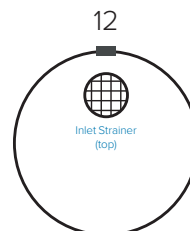


10m roll of PTFE Thread Tape



Installation Guide & Warranty

### FIREFIGHTING / STEEL TANK DIAGRAM



CODE	CAPACITY (LITRES)	DIAMETER* (mm)	INLET HEIGHT* (mm)	OUTLET SIZE	OUTLET POSITION	OVERFLOW POSITION
GRT10000-S	10,000	2600	2020	1 x 2" (50mm)	12:00	Supplied loose
GRT20000-S	20,000	3400	2320	1 x 2" (50mm)	12:00	Supplied loose

\* Dimensions are approximate



# STEEL RAINWATER TANKS



The Tasmanian House by Jiri Lev Architect; Photo by Sasha Lev

## THE ICONIC AUSTRALIAN!

- 100% AUSTRALIAN!**  
 Made in Tasmania, using Australian steel.
- GUARANTEED SAFE**  
 Sealed internally, using AS4020 (potable water) compliant sealant.
- SHOW YOUR COLOURS!**  
 Available in standard galvanised steel or Aquaplate® steel (guaranteed food grade compliant).
- BUY WITH CONFIDENCE!**  
 Every tank is fully water tested prior to despatch from factory (filled and emptied).

CODE (GALV)	CODE (AQUAPLATE)	CAPACITY (LITRES)	DIAMETER (mm)	INLET HEIGHT (mm)	STANDARD OUTLET SIZE	STANDARD OUTLET POSITIONS	STANDARD OVERFLOW POSITION
GRT900B	AQT900-B	900	1240	770	1 x 2" (50mm)	12:00	12:00
GRT1700-B	AQT1700-B	1700	1680	770	1 x 2" (50mm)	12:00	12:00
GRT1850-B	AQT1850-B	1850	1240	1550	1 x 2" (50mm)	12:00	12:00
GRT2850-B	AQT2850-B	2850	1240	2400	1 x 2" (50mm)	12:00	12:00
GRT3400-B	AQT3400-B	3400	1680	1550	1 x 2" (50mm)	12:00	12:00
GRT4000-B	AQT4000-B	4000	2600	770	1 x 2" (50mm)	12:00	12:00
GRT5300-B	AQT5300-B	5300	1680	2400	1 x 2" (50mm)	12:00	12:00
GRT6950-B	AQT6950-B	6950	3400	770	1 x 2" (50mm)	12:00	12:00
GRT8200-B	AQT8200-B	8200	2600	1550	1 x 2" (50mm)	12:00	12:00
GRT10000-B	AQT10000-B	10000	2600	2020	1 x 2" (50mm)	12:00	12:00
GRT12500-B	AQT12500-B	12500	2600	2400	1 x 2" (50mm)	12:00	12:00
GRT14000-B	AQT14000-B	14000	3400	1550	1 x 2" (50mm)	12:00	12:00
GRT20000-B	AQT20000-B	20000	3400	2320	1 x 2" (50mm)	12:00	12:00
GRT27000-B	AQT27000-B	27000	3400	3000	1 x 2" (50mm)	12:00	12:00
GRT30000-B	AQT30000-B	30000	3400	3400	1 x 2" (50mm)	12:00	12:00

### STANDARD INCLUSIONS:



### AVAILABLE COLOURS:

Off White Surf Mist™	Armour Grey Windspray®
Autumn Brown Jasper®	Merino Paperbark®
Smooth Cream Classic Cream®	Mountain Blue Deep Ocean®
Mist Green Pale Eucalypt®	Slate Grey Woodland Grey®
Monument Grey Monument®	Galvanised

Due to variations in printing process, colours shown may not be a true representation of actual colour. Please confirm at time of order.



# NEW HOME PACKAGE DEALS

## SO MANY DECISIONS...

- **TAKE THE STRESS OUT OF WATER HARVESTING DECISIONS**

There are so many decisions to be made when building a new home – talk with the team at Orion Australia and take advantage of over 20 years of experience – absolutely free of charge!

- **BUILT TO YOUR SPECIFIC REQUIREMENTS**

Avoiding the 'one size fits all' approach, the team at Orion Australia will happily mix and match to produce the perfect solution for your situation.

- **ECONOMISE AND SAVE!**

Delivering multiple tanks in one drop allows us to save on freight, and we're glad to pass this saving on to you!



### RURAL & BUSH

#### NEW HOME PACKAGE

- ▶ 1 x 23,000L Rainwater tank
- ▶ 1 x 10,000L Firefighting water tank
- ▶ 1 x 3500L BLOO Septic tank
- ▶ 1 x Domestic Pump



### WATERWORKS

#### NEW HOME PACKAGE

- ▶ 2 x 23,000L Rainwater tanks
- ▶ 1 x 3500L BLOO Septic tank
- ▶ 1 x Domestic Pump



# BLOO SEPTIC TANKS



## OUT OF SIGHT, OUT OF MIND!

- FULLY APPROVED BY CBOS TASMANIA!**  
 BLOO Septic Tanks are the only Tasmanian made poly septic tanks that are approved for installation in Tasmania.
- TOUGH. REAL TOUGH.**  
 Ribbed design provides excellent resistance to deformation when installed.
- LESS HOLE TO DIG!**  
 Low profile designs – easy to install.



CODE	DESCRIPTION	WORKING CAPACITY (LITRES)	LENGTH* (mm)	WIDTH* (mm)	INLET INVERT* (mm)	OUTLET INVERT* (mm)	INSPECTION LID HEIGHT* (mm)
UST3500	3500L Septic Tank – Single Chamber	3500	2490	1640	1375	1310	1650
UST4500	4500L Septic Tank – Dual Chamber	4500	3820	1830	1180	1115	1470
UST45SC	5000L Septic Tank – Single Chamber	5000	3510	1640	1375	1310	1650

\* Dimensions are approximate due only to variable shrinkage rates of polymer during the moulding process.



# UNDERGROUND WATER TANKS



## YOUR VERY OWN AQUIFER!

- **MAKE SOME MAGIC!**  
Store rainwater secretly, even in the smallest land parcels!
- **SAFE TO DRINK**  
Manufactured from food grade material – suitable for potable water storage.
- **LOTS OF OPTIONS...**  
Can be linked together for increased storage capacity.

CODE	CAPACITY (LITRES)	DIMENSIONS* (mm)	INSPECTION LID HEIGHT* (mm)	OUTLET SIZE	OUTLET POSITION
UHH650	650	1440	1020	1 x 2" (50mm)	Supplied loose
UHH1250	1250	1440	1470	1 x 2" (50mm)	Supplied loose
UHH4000	4000	2400 x 1830	1650	1 x 2" (50mm)	Supplied loose
UHH7000	7000	3590 x 1830	1650	1 x 2" (50mm)	Supplied loose

\* Dimensions are approximate due only to variable shrinkage rates of polymer during the moulding process.

# INDUSTRIAL WATER TANKS



## COMMERCIAL & INDUSTRIAL

- **MADE TO YOUR REQUIREMENTS**  
Inhouse customisation and fabrication capacity
- **EXTRA HEAVY DUTY**  
Heavy duty tanks for high SG liquids
- **GUARANTEED QUALITY**  
Certified workmanship and internal quality assurance



# TANK ACCESSORIES



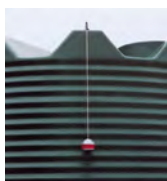
## HOUSEHOLD PUMPS (GOOD QUALITY - RECOMMENDED BY THE TRADE)

Together with our range of rainwater storage tanks, Orion Australia supply a large range of household pumps to suit every situation. With over 20 years of experience in hand, we are happy to recommend and supply good quality pumps that will last the distance and do their job day after day after day. Chat to the team at Orion Australia to confirm which pump is the best for your situation.



## PUMP COVER

Moulded from quality polyethylene material to match your tank colour, the Orion Australia pump cover includes a poly base to keep the pump off the ground and protected from the elements. The flexible polyethylene material can be drilled and cut without risk of cracking to make provision for inlet and outlet piping.



## WATER LEVEL INDICATORS

Available in a variety of configurations, water level indicators are an easy and useful addition to any tank, and can be retrofitted to most styles and sizes of tank. Manufactured in Australia from materials that will not rust or corrode.



## FIRST FLUSH DIVERTER

Inevitably, your roof and gutters will collect a certain amount of dust, leaves, insect particles and other foreign matter between rain events. A first flush water diverter catches the first wash of water from your roof before it gets to your tank and diverts it away from the tank. The amount of water that you divert is determined by the length of the collection chamber pipe (shown in photo as a clear pipe).



## FILL TANK VALVES

Commonly used when filling a tank using a pressure supply such as mains or pumped water, tank fill valves are available in a range of configurations to facilitate the maintenance of the water level in your tank. For example, the use of a multi-level float valve allows a pump to run for a predetermined amount of time which can help increase the overall performance and lifespan of the pump.



## TANK OUTLETS

All Orion Australia tanks are supplied with integrally moulded outlet ports, however, if non-standard configurations are required the inclusion of additional tank outlets is easily made. Offered in both brass and poly, tank outlets are available in sizes from ½" (20mm) through to 4" (100mm) in several increments.



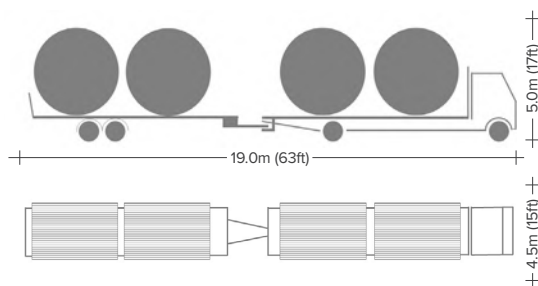
## TANK OUTLET VALVES

To complement the large range of outlets that are offered by Orion Australia, a large range of valves are available in sizes from ¾" (20mm) to 4" (100mm) in both ball and gate closure configurations. Material types include brass, poly and stainless steel.

# TANK DELIVERY AND INSTALLATION

## HOW MUCH ROOM DO WE NEED?

Large (4600L capacity and above) Orion Australia tanks are usually delivered free, direct to site, to most areas of mainland Tasmania. Delivery vehicles may be up to 19m (63ft) in length, require a clearance height of 5.0m (17ft) and a clearway of at least 4.5m (15ft) in width.



## HOW MANY PEOPLE ARE NEEDED?

The delivery team at Orion Australia usually travel alone, so often we require some extra people to facilitate the unloading and placement of your tank.

- 160 - 11,250L capacities - at least 1 extra physically fit and able bodied person.
- 12,000 - 23,000L capacities - at least 2 extra physically fit and able bodied people.
- 26,000 - 30,000L capacities - at least 3 extra physically fit and able bodied people.
- Slimline Tanks 1000L+ capacities - at least 2 extra physically fit and able-bodied people

**Orion Australia vehicles do not have cranes fitted.**

### PRE-DELIVERY CHECKLIST

- Suitable clearances for truck and trailer access? (Branches trimmed, no low wires, adequate turning room etc ). See diagrams above.
- Ground is suitable for truck and trailer access. (not wet or boggy, no large holes or rocks in access path)
- Tank base suitably prepared and ready for placement of tank.
- Pets and animals are locked away.
- Extra persons required for delivery are arranged.

**If any of these points cannot be satisfied, please call our despatch team to discuss ASAP. Freecall 1800 752 784**

## INSTALLATION ON THE GROUND

Orion Australia recommends that when installing tanks directly on the ground, a mechanically compacted base be constructed. The following points are to be noted:

- Ensure the tank base is level in all directions, so as not to place any undue stress on the tank.
- Orion Australia recommend the use of 7-12mm screened gravel for the construction of a tank base, rather than sand or other fine grained material. (Does not wash away and allows ground water to move under the tank without eroding the base)
- The purchaser must ensure that the base material is contained in such a way that it cannot be washed away or otherwise removed from beneath the tank.
- A minimum depth of 75mm of compacted base material recommended between the base of the tank and the soil beneath.
- The tank base must be a minimum of 200mm larger in diameter than the tank/s placed upon it.
- It is the responsibility of the purchaser to ensure that the base is adequate, and Orion Australia P/L cannot accept responsibility for tank failure due to inadequate construction of a base.

## INSTALLATION ON A TANK STAND

Orion Australia recommends that tank stands be designed and constructed by suitably qualified personnel.

- If the tank is to be installed on a stand, it is the responsibility of the purchaser to ensure that any constructions are compliant with local government regulations.
- It is the responsibility of the purchaser to ensure that design and construction of the stand are adequate for the total weight involved.
- Maximum gap between decking slats should be 20mm, and adequate support must be provided at intermediate points along the length of the slats.
- If using a wall mounted stand, ensure that the wall and fixings are adequate for the weight involved.
- The tank stand must be no smaller in diameter than the tank/s placed upon it.
- It is the purchaser's responsibility to arrange placement of the tank on the stand.