



ORION
A U S T R A L I A

DIFFERENT. BETTER. GUARANTEED.

RAINWATER TANKS

Tasmanian Product Handbook



2020/21

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.

ROUND RAINWATER TANKS - POLY



THE ORION AUSTRALIA RANGE OF ROUND POLY RAINWATER STORAGE TANKS PROVIDES A COMPREHENSIVE RANGE OF SHAPES AND SIZES TO SUIT A HUGE VARIETY OF SITUATIONS.

In addition to the great range of sizes and colours, the round poly Orion Tanks are:

- Guaranteed for 15 years.
- BPA Free, food storage grade polymer compliant with AS/NZS 4020.
- UV Stabilised – designed to withstand the harsh Tasmanian sun.
- Constructed as a single piece moulding.
- Made in Tasmania, from Australian material.
- Free of rust or corrosion.



AVAILABLE COLOURS:

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

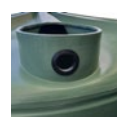
STANDARD INCLUSIONS:



LEAF
STRAINER



BRASS VALVE
OR TAP

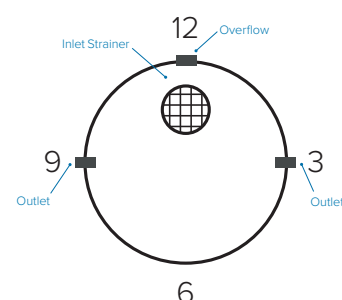


OVERFLOW
PROVISION

CODE	CAPACITY (LITRES)	DIAMETER (mm)	INLET HEIGHT (mm)	OUTLET SIZE	OUTLET POSITION	OVERFLOW POSITION
RT00160	160	500	800	1 x ¾"	3:00 & 9:00	12:00
RT00500	500	800	1320	2 x ¾"	3:00 & 9:00	12:00
RT00550LP	550	1050	850	2 x ¾"	3:00 & 9:00	12:00
RT00950	950	960	1440	2 x ¾"	3:00 & 9:00	12:00
RT01100LP	1100	1350	1040	2 x 1"	3:00 & 9:00	12:00
RT02100LP	2100	1560	1270	2 x 1"	3:00 & 9:00	12:00
RT02400	2400	1350	1900	2 x 1"	3:00 & 9:00	12:00
RT04600	4600	1700	2250	2 x 1"	3:00 & 9:00	12:00
RT06300LP	6300	2600	1380	2 x 1½"	3:00 & 9:00	12:00
RT11250	11250	2560	2300	2 x 1¼"	3:00 & 9:00	12:00
RT22000	22000	3400	2700	2 x ½"	3:00 & 9:00	12:00

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

TANK FIT-UP DIAGRAM



SLIMLINE RAINWATER TANKS – POLY



Orion Slimline Rainwater Tanks – ideal for saving water and they look great too. With a range of colours and sizes to suit heritage, traditional, contemporary and ultra-modern settings, you're sure to find a rainwater tank that suits your space.

- Guaranteed for 10 years.
- BPA Free, food storage grade polymer compliant with AS/NZS 4020.
- UV Stabilised – designed to withstand the harsh Tasmanian sun.

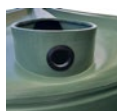
STANDARD INCLUSIONS:



LEAF
STRAINER



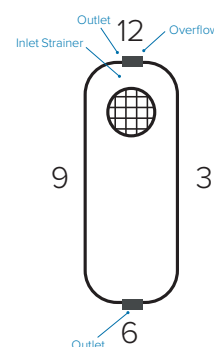
BRASS
TAP



OVERFLOW
PROVISION

CODE	CAPACITY (LITRES)	LENGTH (mm)	DEPTH (mm)	INLET HEIGHT (mm)	OUTLET SIZE	OUTLET POSITION	OVERFLOW POSITION
SDT0600	600	1180	640	1270	2 x ¾"	6:00 & 12:00	12:00
SDT1000	1000	1800	500	1800	4 x 1"	6:00 & 12:00	12:00
PJT1600	1600	1530	730	2020	4 x 1"	6:00 & 12:00	12:00
PJT2000	2000	2400	600	2020	4 x 1"	6:00 & 12:00	12:00
PJQ2000SM	2100	2100	650	2150	4 x 1"	6:00 & 12:00	12:00
PJT3000	3000	2500	760	2020	4 x 1"	6:00 & 12:00	12:00

TANK FIT-UP DIAGRAM



AVAILABLE COLOURS:

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

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STEEL RAINWATER TANKS

Steel rainwater storage tanks are an integral part of the Australian culture, and a regular sight in both country and urban settings.

As Tasmania's leading rain tank supplier, Orion Australia supply a complete range of steel tanks. Standard sizes are listed below, and customised sizes can be manufactured for replacement situations and applications that require dimensionally unique products.

All Orion Australia steel tanks are manufactured from Australian steel. Tanks to be used for drinking water are constructed from 'Aquaplate' steel or equivalent, to comply with Australian standards for potable water storage.

The GRT10000-S galvanized steel firefighting water tank is specifically designed to satisfy the requirements of the Bushfire Attack Level ratings in the Building Code of Tasmania.



GRT10000-S

STANDARD INCLUSIONS:



LEAF
STRAINER



BRASS VALVE,
PLUS STORZ
OUTLET WITH
FIRE TANKS

CODE	CAPACITY (LITRES)	MATERIAL	DIAMETER (mm)	INLET HEIGHT (mm)	OUTLET SIZE	OUTLET POSITION	OVERFLOW POSITION
GRT10000-S	10,000	Galvanised	2600	2020	1 x 50mm	12:00	12:00
AQT10000-S	10,000	Aquaplate	2600	2020	1 x 50mm	12:00	12:00
GRT20000-S	20,000	Galvanised	3400	2320	1 x 50mm	12:00	12:00
LARGE RANGE OF CUSTOMISED SIZES AVAILABLE – PLEASE ENQUIRE.							

UNDERGROUND WATER TANKS



UHH4500

UHH3700

UHH1250

UHH650

For those who have limited yard space, or perhaps simply prefer to store water out of sight, the ORION range of Underground Water Storage Tanks are the ultimate solution.

The strong, moulded polymer tanks are fully compliant with AS/NZS1546.1:2008 – the Australian standard for underground tanks, and are manufactured from food grade polyethylene to ensure that water can be used for drinking if desired.

Technical advice staff at Orion Australia are on hand at all times to assist with your enquiry.

CODE	CAPACITY (LITRES)	DIMENSIONS (mm)	INLET HEIGHT (mm)	OUTLET SIZE	OUTLET POSITION
UHH650	650	1435 dia	1000	1 x 50mm	Top
UHH1250	1250	1435 dia	1470	1 x 50mm	Top
UHH3700	3700	2400 x 1830	1400	1 x 50mm	Top
UHH5000	5000	3520 x 1640	1665	1 x 50mm	Top



NEW HOME PACKAGE DEALS

Building a new home requires many, many decisions and a lot of time to cross check them all... a process that can be quite tedious!!

Orion Australia specialize in New Home Package deals, taking the stress out of your fresh water, pumping and wastewater decisions.

Over 20 years of 'hands on' experience means that the team at Orion Australia can competently discuss your requirements and design a solution that will suit your situation perfectly!

Talk with us to customise a solution to suit your requirements, or choose from our standard packages below:



WATERWORKS NEW HOME PACKAGE

- ▶ 2 x 22,000L Rainwater tanks
- ▶ 1 x 3250L BLOO Septic tank
- ▶ 1 x PK002 Household Pressure Pump



RURAL & BUSH NEW HOME PACKAGE

- ▶ 1 x 22,000L Rainwater tank
- ▶ 1 x 10,000L Firefighting tank
- ▶ 1 x 3250L BLOO Septic tank
- ▶ 1 x PK002 Household Pressure Pump



URBAN GREENERY NEW HOME PACKAGE

- ▶ 1 x 3,000L Slimline Rainwater Tank
- ▶ 1 x PK002 Household Pressure Pump
- ▶ 1 x First Flush Water Diverter

BLOO SEPTIC TANKS

UST45SC

UST4500

UST3250

BLOO Septic Tanks are Tasmania's #1 septic tank system. Specifically designed to minimize the amount of digging required prior to installation, the low profile design is excellent in areas where rock is encountered.

BLOO Septic Tanks are fully pre-assembled prior to delivery, and are fully compliant with AS/NZS1546.1:2008

CODE	DESCRIPTION	WORKING CAPACITY (LITRES)	DIMENSIONS (mm)	INSPECTION LID HEIGHT (mm)	INLET INVERT(MM)	OUTLET INVERT (mm)
UST3250	BLOO Septic Tank Single Chamber	3250	2450 x 1830	1380	1175	1120
UST45SC	BLOO Septic Tank Single Chamber	4500	3520 x 1640	1665	1360	1270
UST4500	BLOO Septic Tank Dual Chamber	4500	3820 x 1830	1380	1175	1120





INDUSTRIAL TANKS - POLY

With over 20 years of experience in polymer manufacturing, Orion Australia have the expertise to manufacture and supply a huge variety of industrial poly tanks.

A large range of commercial fittings are available for integration with industrial storage tanks, including poly/stainless steel options, Table D & E connection flanges, high pressure poly stub flanges and threaded outlets.

Orion Australia have in-house polymer welding and fabrication capacity, which ensures that even the most technical customizations can be accommodated with ease.



STORMWATER DETENTION TANKS



In recent years there has been growing awareness of the damage that can be sustained by urban infrastructure when shock loadings of stormwater are experienced.

To combat these potential issues, Stormwater Detention Tanks are installed to collect bulk volumes of rainwater and release it slowly into the underground stormwater system, thus minimizing the stress on the existing infrastructure.

Available in both Slimline, round and underground tank configurations, the Orion Australia range of Stormwater Detention Tanks are available in a large variety of shapes and sizes to fit neatly with single dwelling constructions as well as multi dwelling and unit developments.

TANK ACCESSORIES, PUMPS AND FITTINGS

A complete range of pumps and other tank accessories are available from Orion Australia to complement your tank installation. Talk with one of our professional team to get the very best solution for your needs.



RTLY
Water Level Indicator



VALVE-APEX-1



PK002



PK060



PK110



WD-90-PVC
First Flush Diverter



PC01



RTRA
Water Level Monitor



RTPB25
Pump Buddy



RTPB32
High Flow Pump Buddy

CODE	DESCRIPTION
PK002	Household pump to suit small dwelling. 50 L.P.M. capacity at 60 p.s.i. pressure. '3 Tap' capacity effective.
PK045	Household pump to suit small dwelling. 80 L.P.M. capacity at 60 p.s.i. pressure. '4 Tap' capacity effective.
PK060	Household pump to suit medium dwelling. 80 L.P.M. capacity at 60 p.s.i. pressure. '6 Tap' capacity effective.
PK110	Household pump to suit large or two storey dwelling. 130 L.P.M. capacity at 60 p.s.i. '9 Tap' capacity effective.
PC01	Moulded pump cover including base
RTLY	'True Level' Water Level Indicator Kit
WD-90-PVC	First Flush Water Diverter Kit to suit 90mm downpipe.
VALVE-APEX-1	25mm float valve for maintenance of constant water level. Not recommended for use with electric pump.
RTRA	Rain Aid Water Level Monitor – 25mm connection thread.
RTPB25	Dual level 'Pump Buddy' float with 25mm connection
RTPB32	High flow dual level 'Pump Buddy' float with 32mm connection

TANK DELIVERY AND INSTALLATION

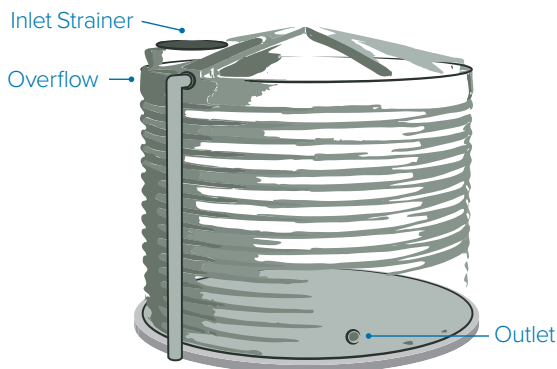


Large ORION tanks are usually delivered free, direct to site, to most areas in Tasmania. Delivery vehicles may be up to 19m (62') in length, 3.0m (10') in width and 5m (17') in height. Please ensure that all delivery locations have access points that are of adequate width, have adequate turning space and free of overhead obstructions.

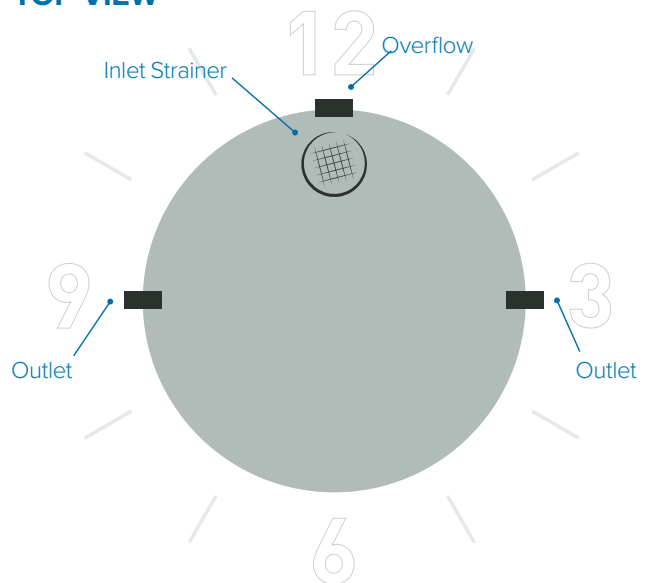
In addition to our delivery staff, please ensure that there are a minimum of two physically fit persons to assist with deliveries of tanks over 10,000L capacity.

Standard tank configuration is shown below. We are happy to accommodate customisations – please discuss this at time of order.

SIDE VIEW



TOP VIEW



INSTALLATION ON THE GROUND

Orion Australia Pty Ltd recommends that when installing tanks directly on the ground, that a concrete base is used.

- Ensure that the tank base is level, so as not to cause any undue stresses on the tank.
- Should a base of gravel, sand or other material be used, the purchaser must ensure 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 is needed between the base of the tank and the soil beneath.
- The tank base must be a minimum of 100mm 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 Pty Ltd accepts no responsibility for failure due to inadequate construction of a proper tank base.

INSTALLATION ON A TANK STAND

- If the tank is to be installed on a stand, it is the responsibility of the purchaser to ensure that any constructions meet 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 (remember that water weighs 1 kilogram per litre).
- Maximum gap between decking slats should be 20mm, and adequate support must be provided at intermediate points along the lengths of the slats.
- If using a wall mounted stand, ensure the wall and fastenings are adequate for the weight involved.
- The tank stand must be no smaller in diameter than the tank/s placed upon it.

A photograph of two men standing in a field of tall, golden-brown grass. One man, wearing a hat and a plaid shirt, is pointing towards the left. The other man, in a blue shirt, is looking in the same direction. Behind them is a large, dark green pine tree. In the background, there are rolling hills and a fence line. The sky is a clear, pale blue. A dark grey diagonal shape is in the top right corner.

Other quality brands by Orion Australia:

JACKY BINS

BLOO SEPTIC TANKS

ORION FEED AND WATER TROUGHS



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BETTER.
GUARANTEED.



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