



# Queensland Concrete Tank Product Guide

| February 2024 Version |



# INTRODUCTION

## Our products are built to last.

Dear Customer,

Welcome to the Civilmart Queensland Concrete Tank Product Guide, for our Civilmart branches across Queensland.

As your number one distributor of precast concrete products, the Toowoomba Tanks range is expertly engineered and designed to meet industry needs. Our products are constructed with the highest-grade materials, built tough to withstand all applications.

Precast concrete is a wise investment. Its longevity means that our product range works for you today and tomorrow. Cleverly designed, our extensive range means there's a Civilmart product to meet your needs. Offering a solid, tough and durable product range, all civil applications are catered for.

As an Australian owned and operated business, with a manufacturing network across Victoria, New South Wales, Western Australia, Queensland and South Australia, our commitment to customer satisfaction is as long lasting as our products. So if you need quality products to fulfill your next project, contact a Civilmart Specialist today. They'll guide you through the range, product applications, installation and delivery.

**Our mission is to make high quality products and continue providing exceptional customer service while delivering value for money.**



# SEPTIC TANKS

## Septic Tanks

- 1700L commonly used for black water (toilet), 1-3 bedrooms
- 3400L commonly used for grey water (laundry/ bathroom), 1-3 bedrooms (all purpose)
- 5000L commonly used for grey and black water, 3-5 bedrooms (all purpose)
- Custom size tanks available: 10,000L 15,000L & 22,500L
- Holes / Blockouts can be added for pipe penetrations



Size (L)	Tank				Non-Trafficable (Class A)	Tank Lid	INLET Centerline	OUTLET Centerline
	I.D (mm)	O.D (mm)	Height (mm)	Wall Thickness (mm)		Trafficable (Class D)		
1700	1230	1360	1910	65	75	Roof Slab (1370OD) x 175TH with 600 Hole c/w Class D 600mm Round Cast Iron Manhole C&F Supplied Loose	1600	1530
3400*	1825	1955	1860	65	95	Roof Slab (1970OD) x 175TH with 600 Hole c/w Class D 600mm Round Cast Iron Manhole C&F Supplied Loose	1500	1430
5000*	2030	2160	2100	65	95	Roof Slab (2150OD) x 225TH with 600 Hole c/w Class D 600mm Round Cast Iron Manhole C&F Supplied Loose	1750	1695

Please note: All Inlet & Outlet holes are measured externally from the bottom of the tank to the centerline of the hole.

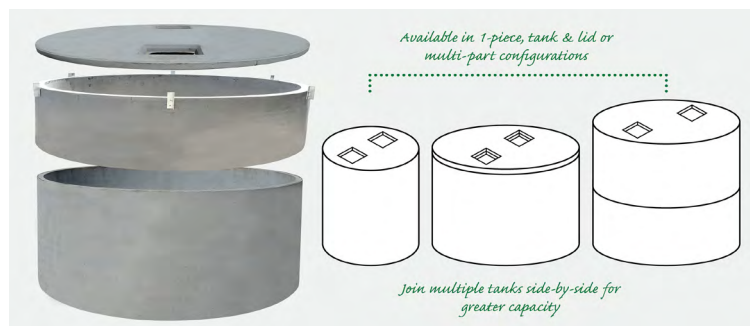
\*Available with Baffle Wall



# HOLDING TANKS

## Septic Tanks

- Available in one-piece, tank & lid or multi-part configurations for extra capacity
- Suitable for in-ground or above-ground use
- All tanks are engineer certified to T44 Class D
- Range of access hole designs available in tank lids including:
  - 600 round
  - 600 x 600 square
  - 900 x 600 rectangular
  - 900 x 900 square
  - 1200 x 1200 square
- Range of galvanised grates and cast iron covers & frames available to be cast in or supplied loose





Size (L)	Tank				Tank Lid		INLET Centerline
	I.D (mm)	O.D (mm)	Height (mm)	Wall Thickness (mm)	Non-Trafficable (Class A)	Trafficable (Class D)	
380	630	760	1175	65	65	Class D Cast Iron Sewer Lid in Concrete Surround 900 OD 150TH	150mm from top of tank
600	850	980	1200	65	65	Roof Slab (1130OD) x 150TH	150mm from top of tank
1200	1230	1360	1200	65	65	Roof Slab (1370OD) x 175TH	150mm from top of tank
2200	1230	1360	1910	65	75	Roof Slab (1370OD) x 175TH	150mm from top of tank
4700	1825	1955	1860	65	95	Roof Slab (1970OD) x 175TH	150mm from top of tank
6500	2030	2160	2100	65	95	Roof Slab (2150OD) x 225TH	150mm from top of tank
10,000	2330	2450	2400	65	100	Roof Slab (2450OD) x 250TH	150mm from top of tank
15,000	2745	2865	2815	60	100	Roof Slab (3000od) x 250TH	150mm from top of tank
22,500	3375	3480	2700	50	100	Roof Slab (3480od) x 250TH	150mm from top of tank

Please note: All Inlet & Outlet holes are measured externally from the bottom of the tank to the centerline of the hole.



# PUMP TANKS

## Pump Tanks

- Tank Height 1200mm
- Lid Thickness 75mm
- Tank Wall Thickness 65mm



Size (L)	Tank				Tank Lid		INLET Centerline	OUTLET Centerline
	I.D (mm)	O.D (mm)	Height (mm)	Wall Thickness (mm)	Non-Trafficable (Class A)	Trafficable (Class D)		
380	630	760	1175	65	65	Class D Cast Iron Sewer Lid in Concrete Surround 900 OD, 150mm thickness	750	40mm Brass Fitting, Cast in 1050mm
600	980	1200	1200	65	65	Roof Slab (1130OD) x 150TH with 600 Hole c/w Class D 600mm Round Cast Iron Manhole C&F Supplied Loose	950	40mm Brass Fitting, Cast in 1050mm
1200	1230	1360	1200	65	65	Roof Slab (1370OD) x 175TH with 600 Hole c/w Class D 600mm Round Cast Iron Manhole C&F Supplied Loose	950	40mm Brass Fitting, Cast in 1050mm

Please note: All Inlet & Outlet holes are measured externally from the bottom of the tank to the centerline of the hole.



# PUMP OUT SYSTEM

## Pump Out System

- 380L up to 1200L suitable for grey water storage, pumping to a disposal area
- 100L suitable for black and grey water
- 3400L with baffle wall and pump well
- 5000L with baffle wall and pump well
- 7000L multichamber



Size (L)	Tank				Tank Lid	INLET Centerline	OUTLET Centerline
	I.D (mm)	O.D (mm)	Height (mm)	Wall Thickness (mm)	Non-Trafficable (Class A)		
380L c/w Davey 15V Pump	630	760	1175	65	65	760	40mm Brass Fitting Cast in 1050mm
600L c/w Davey 15V Pump	850	980	1200	65	65	950	40mm Brass Fitting Cast in 1050mm
1200L c/w Davey 15V Pump	1230	1360	1200	65	65	950	40mm Brass Fitting Cast in 1050mm
3400L c/w Pump Well, Baffle Wall, Davey 15V Pump, Non Return Valve and High Level Alarm	1825	1955	1860	65	95	1500	40mm Brass Fitting Cast in 1730mm
5000L c/w Pump Well, Baffle Wall, Davey 25V Pump, Non Return Valve and High Level Alarm	2030	2160	2100	65	95	1750	40mm Brass Fitting Cast in 2000mm
Supertreat 1T-AST (7000L)	2330	2450	2400	65	65	2310	1940

Please note: All Inlet & Outlet holes are measured externally from the bottom of the tank to the centerline of the hole



# ADVANCED SECONDARY WASTEWATER TREATMENT SYSTEM

## Recycle & Reuse your Septic Wastewater

The simple, smart design of the SuperTreat 2020 Advanced Secondary Wastewater Treatment System makes it the easiest and most effective product on the market to install, run and service.

The five-chamber SuperTreat 2020 concrete tank is one piece, cast in a single mould - it's tough and totally leak free. The system collects and processes household wastewater from all sources, safely recycling it and delivering clean, odour-free water for gardens and lawns.

- Trusted technology
- Australian-made and owned
- Quality assured under ISO 9001
- Complies with current specifications
- Compliant to the new (2020) AS1546.3 2017
- Processes ALL household wastewater
- Simple controller requires little maintenance
- Proven performance for over 25 years



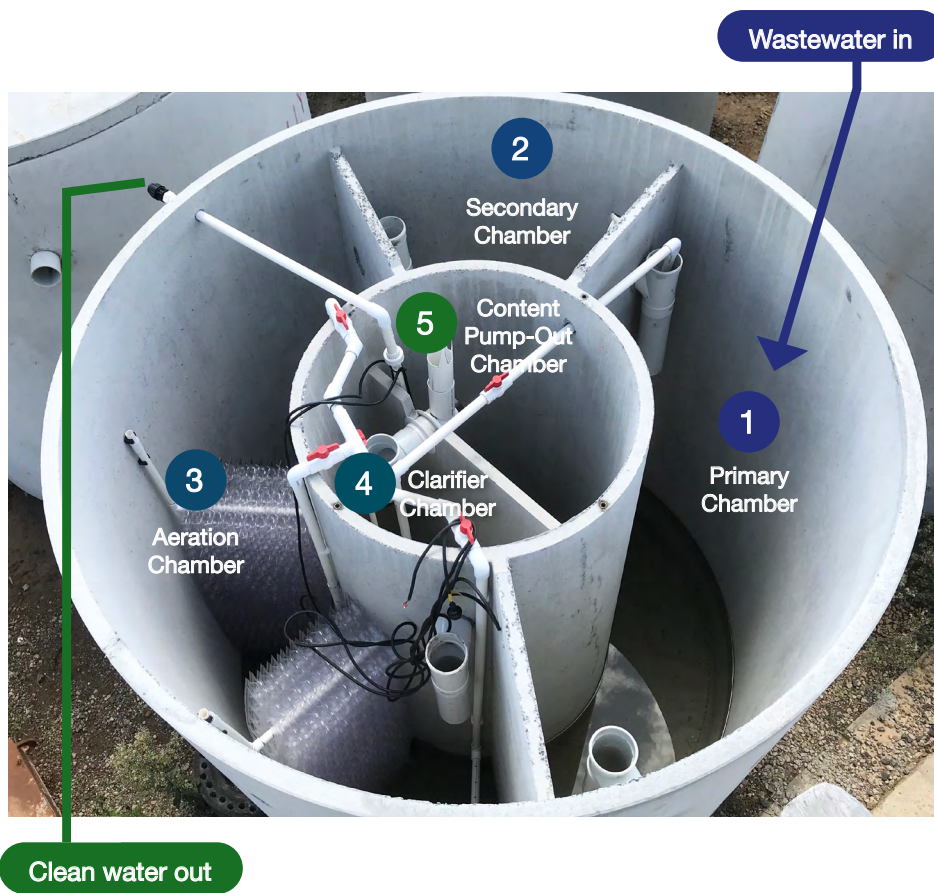
Household wastewater flows into the primary chamber where most solids fall to the base of the tank.

This flows into the secondary chamber where remaining solids fall to the base of the tank.

Then to the aeration chamber where it is aerated and re-oxygenated - also in here, a biological media sheet traps bacteria and algae.







Now quite clear, the water enters the clarifier chamber where the remaining sludge from top and bottom surface is collected and returned to the primary chamber.

This flows into the pump-out chamber where crystal clear water exits the system via a chlorinator and disinfectant unit, through a high quality pump, and becomes available for irrigation.





# LARGE VOLUME WATER STORAGE SYSTEMS

## Large Volume Water Storage Systems

Civilmart can supply large volume water storage systems by linking multiple tanks together to achieve maximum capacities.

Civilmart manufacture a wide range of tanks to meet your onsite requirements. Whether you are looking to Detain, Retain or Harvest water; the team at Civilmart will have an option for you.

- Squat Tanks available to meet onsite restrictions
- All tanks are certified to T44 (Class D)
- Wide range of access hole sizes available. See Page 4
- Can be poured with Anti-float bases
- Link multiple tanks side by side for greater capacity





## CUSTOM PRECAST SPECIALISTS

### Need a custom job?

Civilmart is uniquely positioned amongst precast concrete suppliers in that we are experts in designing and manufacturing custom precast products. If non-standard specifications are involved in a project, we will do what it takes to make it a reality. We have extensive custom-manufacturing capabilities and if necessary, we will build new moulds to create exactly what you need. Our agility and flexibility when creating products is unmatched, it's something we're extremely proud of.

Submit your plans or let us work with you to design a product that will perfectly fit your next project. Whether it's a small variation to a standard product or a completely new idea built from scratch, Civilmart will help you get it done.





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