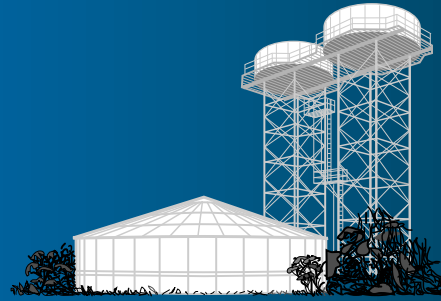




PRE-FABRICATED, GALVANISED STEEL
WATER STORAGE TANKS

TANKSTANDS

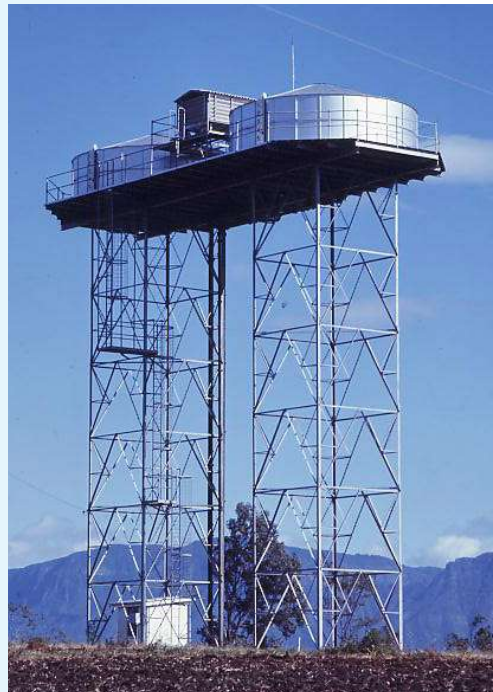


ELEVATED WATER STORAGE FOR BOOSTED PRESSURE

Southern Cross galvanised steel tankstands are available in heights up to 30 metres for tanks to 12.7 metres diameter and up to 4.8 metres high, depending on wind and seismic loading conditions.

Optional features include a range of decking materials, walkways around tanks, safety ladders with cages and platforms, and custom footing designs to suit soil properties, site location and loadings.

Southern Cross provides a complete design and installation service for the full range of tanks and tankstands listed, or will manufacture to special requirements.



A division of **tyco** Flow Control Pacific Pty Ltd
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PRE-FABRICATED, GALVANISED STEEL
WATER STORAGE TANKS

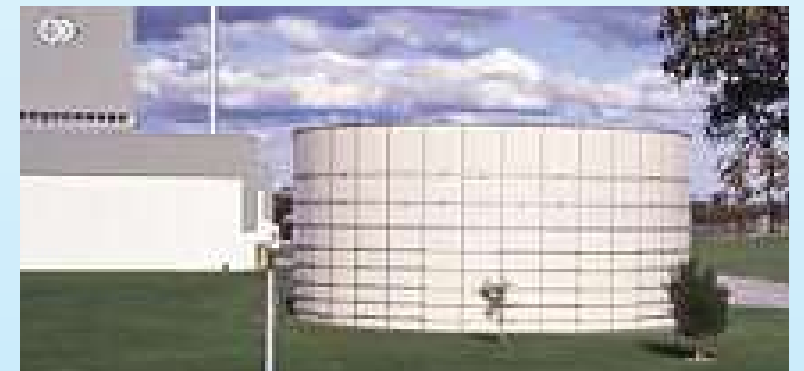
SAFE, ECONOMICAL WATER STORAGE

APPLICATIONS

- Providing safe water storage for...
 - Industry
 - Fire Services
 - Potable Supplies
 - Mining
 - Elevated Storage
 - Air Conditioning

FEATURES

- Completely pre-fabricated for easy transportation to site and simple on-site assembly.
- Bolt-together "stripseal" design.
- Australian designed and manufactured.
- Storage capacities from 9 to 3040 kilolitres in a range of heights and diameters.
- Rugged, all galvanised steel construction to suit all conditions.
- ISO 9001 quality assured.
- Comply with relevant Codes under Australian Standards.





PRE-FABRICATED, GALVANISED STEEL WATER STORAGE TANKS

TANK SIZE RANGE

The tank selection chart (below) details the range of capacities available in various heights and diameters. Intermediate diameters and capacities can be supplied to special order.

TANK ERECTION

Southern Cross water storage tanks are supplied completely pre-fabricated for easy on-site erection without the requirement for special equipment.

STANDARD CONSTRUCTION

TANK BOTTOM: 1.6mm galvanised steel sheets with bolted, lapped joints and special rubber seals.

TANK SIDES: Hot dip galvanised mild steel ring and batten framework supporting 1.6 mm thick, bolted, lapped and rubber strip sealed sheets.

FLAT TOPS: Available for all tank sizes and constructed of galvanised steel decking material mounted on galvanised steel framing supported by pipe posts.

CONICAL TOPS: Available for all tank sizes. Finished with galvanised mild steel flat sheeting supported by galvanised steel framework and posts.

SPECIAL CONSTRUCTION

For added corrosion resistance single or double sided PVC coated galvanised sheeting, painted framework and stainless steel nuts and bolts can be specified. Other special sheet and frame coatings can be supplied to customer specification.

WIND RATING

Specially designed and certified tanks and tank tops can be supplied to suit most wind speed requirements, providing suitable anchorages can be installed for the tank sides and top support posts.

TANK FOUNDATIONS

Installation of most sizes of tanks on compacted gravel foundations or mound rings is acceptable, however for appearance and to avoid possible foundation failure, it is recommended that concrete slabs or compacted-sand-filled concrete ring beam foundations be used. These foundations must be installed in accordance with designs based on individual site soil tests.

CONCRETE BOTTOM TANKS

Where suitable concrete slabs can be provided, tanks up to 4.8m high can be erected without steel bottoms by using a special sealing strip and clamps to form a watertight seal between the tank sides and slab.

LADDERS

Standard rung type ladders are supplied for inside tanks. External ladders can be supplied optionally as well as safety cages and platforms to required specifications.

WATER LEVEL INDICATORS

Consist of easy to read indicator scale with pointer and stainless steel cable and float.

PRE-FABRICATED, GALVANISED STEEL WATER STORAGE TANKS



10 YEAR WARRANTY



MANHOLE COVERS

To provide both security and authorised access, lockable manhole covers are available.

ROOF VENTS

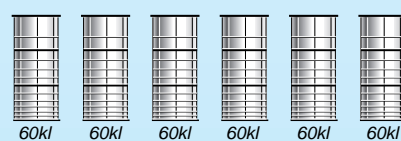
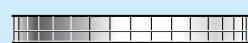
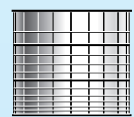
Optional fixed or rotating vents reduce temperature and humidity of air space above water and provide adequate breathing during rapid filling and emptying of tank.

ANTI-VORTEX OUTLETS

Fittings to reduce vortex formation when water is being pumped out of tank enabling the bottom water level to be lower, increasing the usable capacity of the tank.



The wide range of tank capacities available and the choice of high or low profile design allows simple specification of a tank, or tanks, to suit particular space, location and application requirements.



For example a required reservoir capacity of 360 kilolitres can be provided by using a single unit 7.9m diameter x 7.2m high, a 15.9m diameter x 1.8m high tank or six 3.2m diameter x 7.2m high tanks, or other combinations to fit particular plant and site layouts.

TANK HEIGHT mm	TANK DIAMETER mm										
	2540	3266	3992	5080	6532	7983	10160	12701	15966	19595	25400
1800	9kl	15kl	22.5kl	36.5kl	60kl	90kl	146kl	228kl	360kl	542kl	910kl
2400	12kl	20kl	30kl	49kl	80kl	120kl	195kl	304kl	480kl	723kl	1210kl
3000	15kl	25kl	37.5kl	60kl	100kl	150kl	243kl	380kl	600kl	904kl	1520kl
3600	18kl	30kl	45kl	72kl	120kl	180kl	291kl	456kl	720kl	1085kl	1820kl
4200	21kl	35kl	52.5kl	85kl	140kl	210kl	340kl	532kl	840kl	1266kl	2120kl
4800	24kl	40kl	60kl	97kl	160kl	240kl	389kl	608kl	961kl	1447kl	2430kl
5400	27kl	45kl	67kl	108kl	180kl	270kl	437kl	684kl	1080kl	1628kl	2736kl
6000	30kl	50kl	75kl	121kl	201kl	300kl	486kl	760kl	1201kl	1809kl	3040kl
6600	33kl	55kl	82kl	133kl	221kl	330kl	534kl	836kl	1321kl	1989kl	
7200	36kl	60kl	90kl	145kl	241kl	360kl	583kl	912kl	1441kl	2171kl	

SOUTHERN CROSS TANK SELECTION CHART CAPACITY IN KILOLITRES

Note: Kilolitres shown are gross capacities. Where a usable capacity is specified allowance must be made for air gap and pipework positioning.