

Celebrating 40 Years

# TAYLEX

Over 20,000 Treatment Systems Sold Throughout Australia Since 1969

# Taylex Domestic Membrane System

## Performance Results!

	RAW INFLUENT WASTEWATER CHARACTERISTICS	AUSTRALIAN STANDARD FOR ADVANCED SECONDARY WITH NUTRIENT REMOVAL	Test Tank Results <b>TAYLEX DOMESTIC MEMBRANE SYSTEM</b>
BOD5	150-300g/m <sup>3</sup>	≤ 10g/m <sup>3</sup>	≤ 4.8g/m <sup>3</sup>
TSS	150-300g/m <sup>3</sup>	≤ 10g/m <sup>3</sup>	≤ 1.27g/m <sup>3</sup>
Total Nitrogen	20-100g/m <sup>3</sup>	≤ 10mg/L	≤ 6.19mg/L
Total Phosphorous	6-25g/m <sup>3</sup>	≤ 5mg/L	≤ 0.29mg/L
Turbidity	n/a	n/a	0.43NTU
Thermotolerant Coliforms	10,000,000/100mL	10/100mL	0.03/100mL

# Domestic Membrane System

*Advanced Secondary with Nutrient Removal*

## The Next Generation in Home Sewage Treatment

### Tank Construction

All Concrete	
Height	2300mm
Inlet Invert	1830mm or 1530mm
Diameter	2450mm
Weight	6.25tonnes

### 15 Year Warranty

Every Taylex Domestic Membrane System is covered by a full manufacturers warranty. There is a 15 year warranty on the pre-cast concrete tank and a 12 month warranty on all electrical and mechanical components including the irrigation pump, and a 12 month extended warranty is available.

Taylex has devised a Membrane Exchange Program which effectively means that the membrane has a lifetime warranty. Conditions apply

Please refer to your Taylex distributor for more information.

Treatment Plant results may vary from house to house depending upon how well they are looked after.

### Your Authorised Distributor



#### Queensland Manufacturing Division

National Free Call  
1800 642 342  
Sales Office  
Phone: (07) 3441 5200  
Fax: (07) 3287 4199

Email:  
taylexql@bigpond.com.au

#### Victorian Manufacturing Division

National Free Call  
1800 111 023  
Sales Office  
Phone: (03) 5799 0650  
Fax: (03) 5799 0651

Email:  
taylex@bigpond.com.au



*Combining German Technology with "Aussie" Know-How To Turn BROWN to BLUE!*



www.taylex.com.au

# What is a Membrane System? How does it work?

*Simply*

**A Membrane is a Physical Barrier Separating Solid Particles from Clear Liquid**

**The Membrane pores are so small that most bacteria and viruses are unable to pass through.**

**Ultrafiltration with Taylex D.M.S. Membrane Filters**

The mean pore diameter of the membranes is only thirty-five millionths of a millimetre (0.000035 mm).

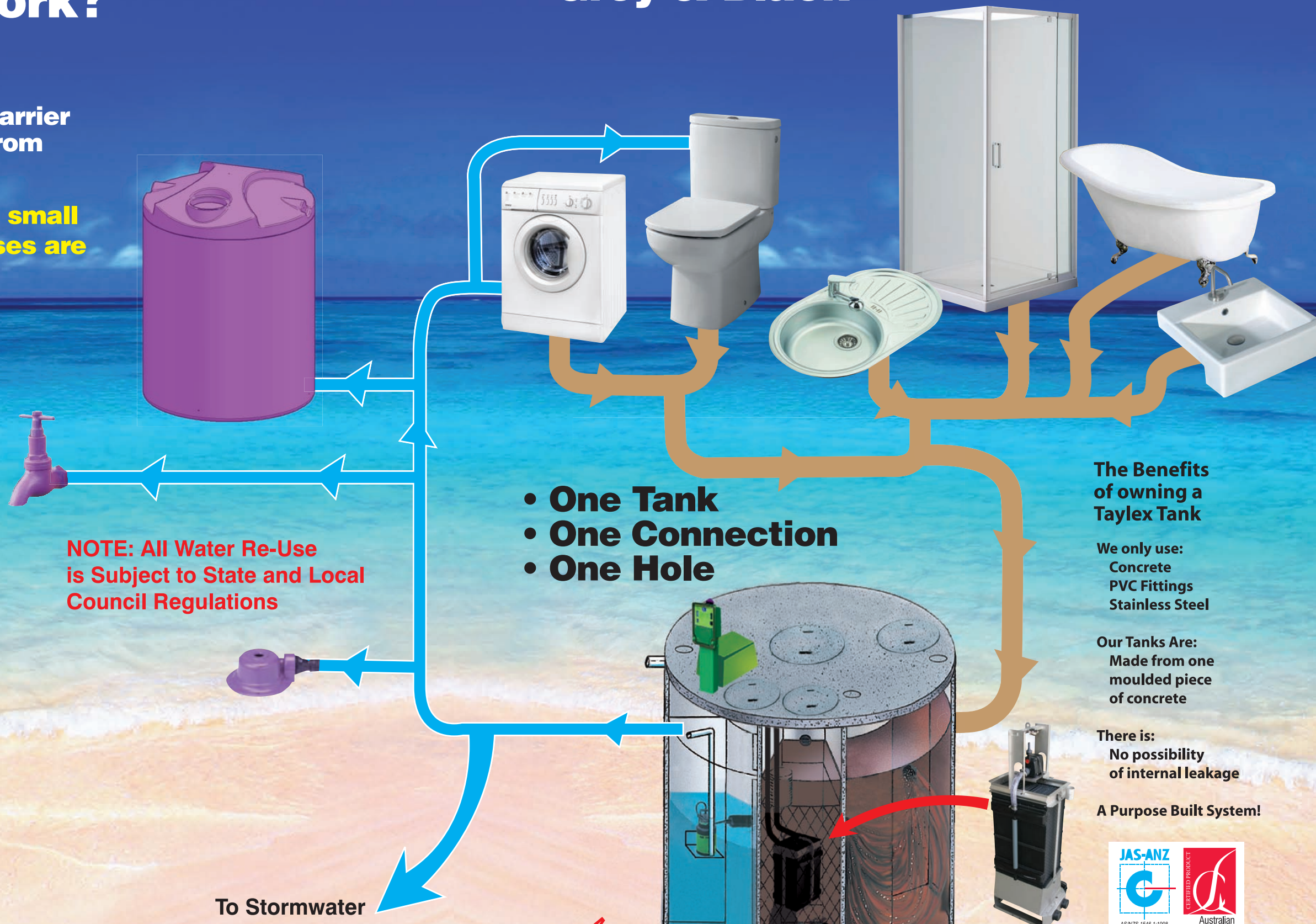
In comparison, the diameter of an enteric bacteria (E-Coli) is approx one thousandth of a millimetre (0.001 mm), so that the Taylex D.M.S. membrane represents an impassable barrier for these bacteria.

The ultra filtration membrane used separates the smallest particles up to the colloids of the liquids purely on a physical basis due to their defined pore sizes (< 0,1 µm).

The membrane holds these substances back without changing them either physically or chemically. **Thus dangerous substances cannot originate.**

We use flat membranes derived from organic polymers that are very effective in their usage when combined with the unique filter construction which prevents filter clogging due to hairs, fibres or other unhygienic coarse substances.

Our ultra filtration membrane constitutes an absolute barrier for bacteria and large viruses like the dangerous pathogenic agent of infantile palsy. The smallest organic molecules, metallic ions and dissolvable salts partly essential for life, can pass the ultra filtration membranes unhindered.



**NOTE: All Water Re-Use is Subject to State and Local Council Regulations**

- **One Tank**
- **One Connection**
- **One Hole**

**The Benefits of owning a Taylex Tank**

We only use:  
Concrete  
PVC Fittings  
Stainless Steel

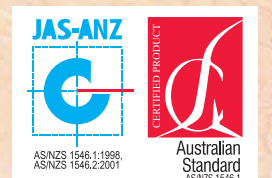
**Our Tanks Are:**  
Made from one moulded piece of concrete

There is:  
**No possibility of internal leakage**

**A Purpose Built System!**

**To Stormwater**

**Manufactured in high strength precast concrete  
WON'T BEND, BUCKLE, MELT or BURN!**



The Standards Mark refers to the concrete vessels manufactured by Taylex.

It does not cover the other items of equipment contained in the system.