# 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.

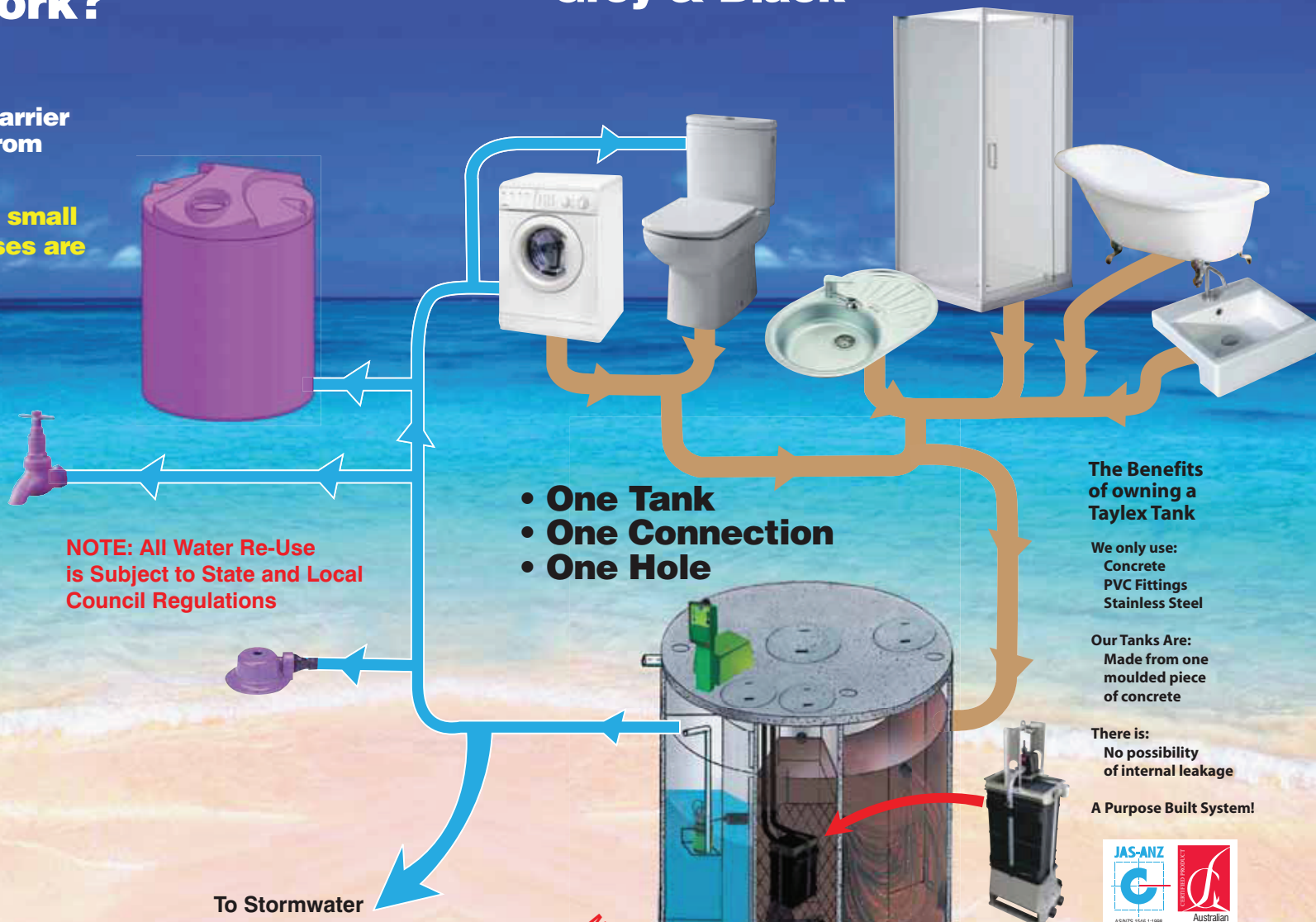
The ultra filtration membrane used separates the smallest particles up to the colloids of the liquids purely on a physical basis due to their defined pore sizes (< 0,1 $\mu$m).

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.

# Treats ALL Household Wastewater - Grey & Black




- **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!**

JAS-ANZ
AS/NZS 1546.1:1998
AS/NZS 1546.2:2001
Australian Standard
AS/NZS 1546.1

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

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

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

Wastewater Association Practitioners

Reclaim Re Use Recycle