

## Who Is SkyJuice?

The SkyJuice Foundation is a not for profit organisation incorporated in Australia. The Foundation's charter is to provide low cost, sustainable water treatment solutions for humanitarian programs and for emergency and disaster relief efforts.

## Who Do We Work With?

SkyJuice works with an alliance of partners in the public, private and community sectors. We have a variety of working partnerships with NGO groups such as Oxfam, World Vision, Red Cross, UNICEF, Rotary and others. SkyJuice enjoys the support of committed volunteers around the world to assist in the delivery of safe water projects.

## What We Do

SkyJuice uses worlds' best low pressure membrane technology to produce safe, sustainable potable water supplies that are affordable and appropriate to communities in developing countries



Why not ask us about the following ancillary items which can compliment the SkyHydrant Water Purification System:

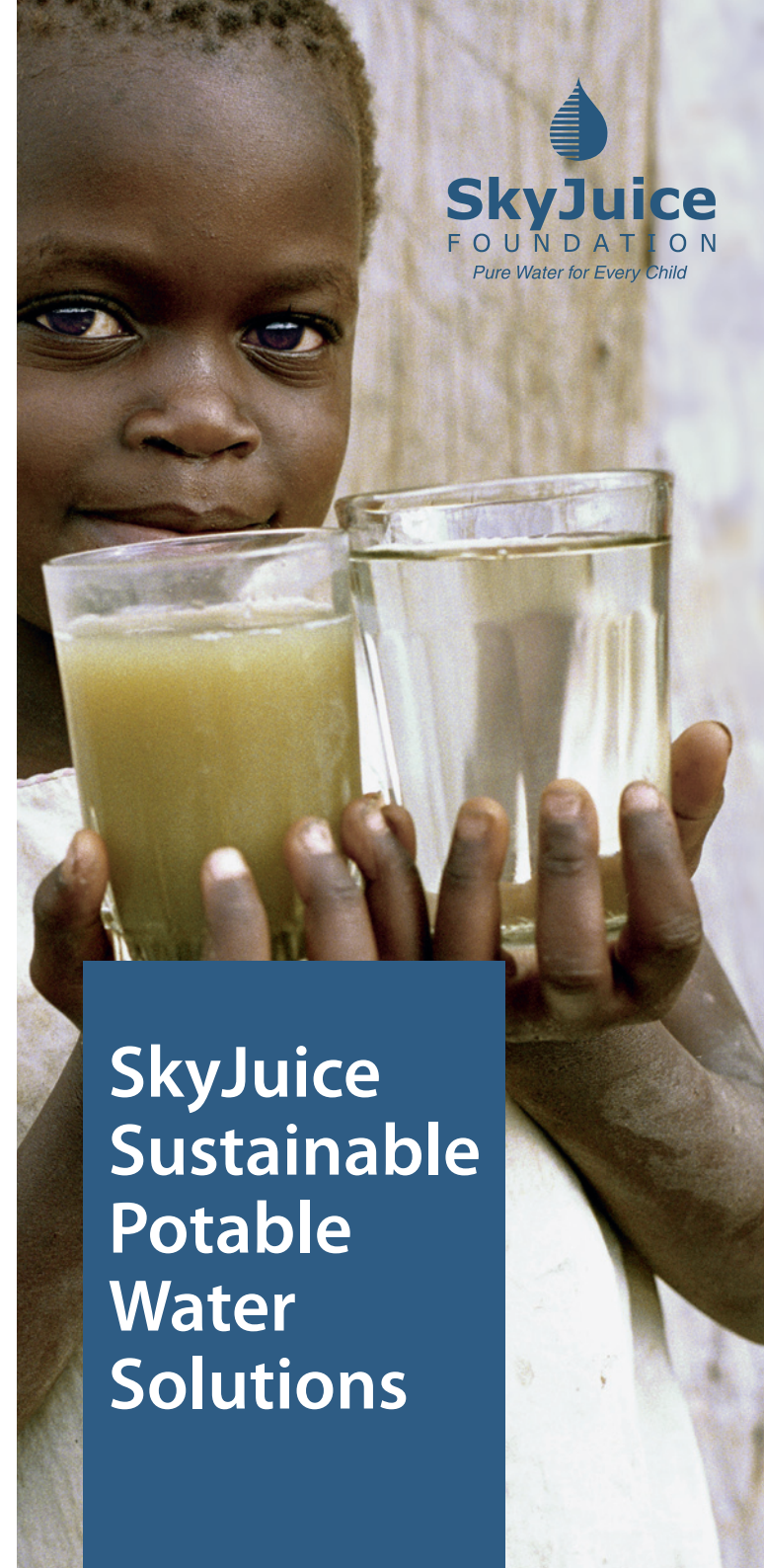
- SkyTower
- SkyPod
- AquaHub

All items are designed and manufactured in Australia.



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**SkyJuice  
Sustainable  
Potable  
Water  
Solutions**



# The SkyJuice Foundation Inc



## Why Is SkyJuice Technology Unique?

- The SkyHydrant water purification unit produces safe potable water without the need for power or chemicals
- The SkyHydrant is low cost, lightweight (16 kgs) portable and easy to deploy in the field
- The UF membrane is robust, cleanable and has a service life of 10 years
- Operating functions are simple and manual, with virtually no consumables
- Safe water for less than \$1 per person per year
- Designed to produce water for 500-1000 people as stand alone unit, or can be configured for larger capacity. A single unit can produce up to 1000 litres per hour.
- Potable water can be produced from the majority of non-saline surface and ground water

## How Does The SkyHydrant Work?



- The ultrafiltration (UF) membrane provides complete physical filtration as well as disinfection
- The system operates under gravity with a minimum head pressure of 1 metre
- The membrane consists of thousands of microporous hollow fibres
- The membrane removes Bacteria, protozoa and pathogens greater than .04 micron
- No chemicals, coagulants, pumps or energy are required for the filtration process
- Cleaning process is simple and manual. Drain down concentrate is completely organic



### System Specification

Membrane Material	PVdF
Membrane pore size (µm)	0.04
Maximum recommended feed particle size (µm)	500
Maximum recommended feed turbidity (NTU)	500
Filtered water turbidity (NTU)	<0.1
Log Reduction Value for particles 2-5 µm (LRV)	> 4
Minimum recommended differential pressure	0.5 m
Maximum recommended differential pressure	4.0 m
Nominal minimum capacity (Litres per hour)	400
Nominal maximum capacity (Litres per hour)	1000

SkyJuice has supplied more than 600 units in 30 countries around the world