




WaterUps[®]
Wicking our World

Planters- & Tree Reservoir

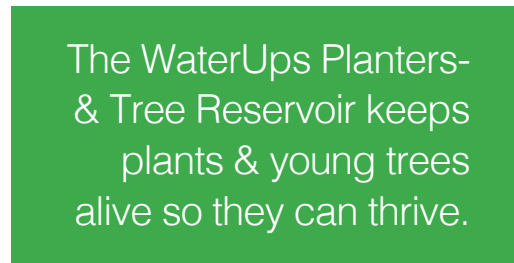
BERA[®]

What is the WaterUps Planters- & Tree Reservoir™?

BERA has incorporated an Australian proven system known as WaterUps Planters- & Tree Reservoir™ watering effectively from below the roots enabling plants and young trees to get off the best start in life, creating strong deep roots to survive future extreme seasons as we all experience more and more due to climate change. It is a great addition to BERA systems to 'Preserve Water for Future Generations'.

It's a game changer for planter box applications and tree planting programs, turbo-charging plant- and tree growth in every way, while saving up to €380* per tree in maintenance costs in the first 18 months of a tree's life. With the millions of trees and other greens to plant to reduce heat island impacts, the WaterUps Planters- & Tree Reservoir™ is the ultimate solution for municipalities, developers, architects and landscapers wanting to green cities, future proof communities and make lives more liveable.

**based on Australia case studies*



How the WaterUps Tree Reservoir™ works?

The innovative wicking system provides an underground reservoir of water for plants and young trees so they will always have a regular supply of moisture at a depth of 35cm below the roots, encouraging roots down away from surface water.

The submerged underground reservoir is less affected by evaporation or surface level seepage, therefore the water lasts longer, requiring less watering. Over time in case of tree application, the roots will grow around the reservoir and deeper, making the tree more stable and resilient, while still having access to a water supply 35cm below the original roots. WaterUps wicking solutions have been developed and tested since 2016 in a wide range of systems and solutions for gardens, landscaping, nurseries and city farming.



Applications:

- In planters in- or outdoor
- Under trees and shrubs
- Private gardens
- Public spaces
- Terraces

Benefits

- 75% less watering, saving water and labour expenses
- stronger root growth, thus healthier plants and trees
- faster growth of plants and trees
- less failure of young vegetation
- greener and cooler environment



Incredible Savings

Young plants and trees need regular water as their roots are close to the surface, where evaporation is constant. Watering a tree via a watering truck costs* around €4 per tree in labour. In Australia, the government guidelines for the watering schedule are substantially reduced using WaterUps:

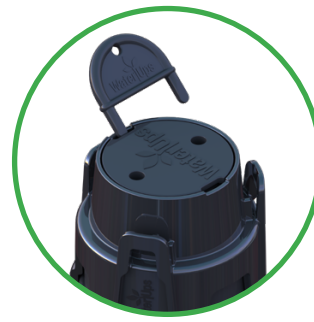
- Month #1: from 4 weekly to 1 weekly
- Months #2 and 3: from 3 weekly to 1 fortnightly
- Until month #15+: from 2 weekly to 1 fortnightly

COST SAVINGS per TREE

over **18-months establishment** **€380***

WATER SAVINGS **943 liters**

**based on Australia case studies*



What's WaterUps Planters- & Tree Reservoir™ completed set?

- 1 x WaterUps Planters- & Tree Reservoir™ - ID2101019
 - 2 x inlet pipes and connector
 - 1 Anti-tamper Lid (lockable cap) and 1 key
- Perlite to be bought separately

Technical Specifications*

GENERAL

Material	: 100% recycled polypropylene (recyclable)
Manufacturing technology	: High precision injection moulding
Manufacturing standards	: ISO9001
Manufacturing location	: Australia, EU pending
Colour	: Black
UV, chemical resistance	: resistant
Dimensions reservoir	: 40 x 40 x 13 cm
Water content	: 15 liter
Installed depth	: ca. 35 cm below roots
Weight incl. lid and inlet pipe	: 2.2 kg
Wicks / Feet	: 4 / module
Perlite medium grain size	: 2 liter / module

* subject to change without prior notice

Environmental and technical expertise

BERA globally adheres to the United Nations Sustainable Development Goals. WaterUps is fully in line with our policies in the use of recycled polypropylene, 100% recyclable at the end of life and saving up to 80% of water. Combatting heat-island effects by planting trees will help create a better world for our future generations.



See the Difference in Growth

The WaterUps Planters- & Tree Reservoir™ was tested through multiple trials in Australia over an 18-month period before being made commercially available.

This picture compares trees planted with the reservoir versus trees planted without. Two of each tree were removed after 3 months to investigate root growth. The ones planted in WaterUps had more than 50% root growth.

Other Wicking Solutions

Wicking is making use of capillary rise, discovered by Leonardo da Vinci in the 1800's. Perlite is used as the medium to wick water from the reservoir to the soil above, enhancing soil and aeration and delivering moisture to where it can be of most value to tree and plant roots. Therefore we offer similar wicking system for planter boxes or even rectangular sub irrigation channels (SICs) for larger borders or planter areas in nurseries or municipalities. Please contact us at info@bera-bv.com for any special request or application.



BERA® is the trademark of BERA B.V. of The Netherlands, a company which develops stabilization systems, eco systems and prestigious outdoor living concepts.

With the company's historical roots & wealth of know-how in landscaping and architectural fields, they create innovative and environmentally sustainable solutions, supplied throughout Europe, the Middle-East, Africa, Central America and S-E Asia regions.

Contact:

BERA B.V. (The Netherlands)
T: +31 (0) 33 257 0302
E: info@bera-bv.com

BERA (Africa) Pty Ltd
T: +27 83 449 3954
E: franko@bera-bv.com

BERA Slovakia s.r.o. (Slovakia)
T: +421 910 705 706
E: slovakia@bera-bv.com

BERA Latinoamérica
(Centro América)
T: +(506) 87039731
E: centro.america@bera-bv.com

BERA Sarl (France)
T: +33 (0) 9 81 12 76 58
E: info@bera-sarl.fr

BERA B.V. (Belgium)
T: +32 474 980 273
E: raphael@bera-bv.com

BERA B.V. (Germany)
T: +49 (0) 30 78 71 68 85
E: kontakt@bera-bv.com

BERA CZECH s.r.o. (Czech Republic)
T: +420 777 484 937
E: beracz@bera-bv.com



www.bera-bv.com