



RainSaver

RAIN HARVESTING SYSTEM SOLUTION FOR RESIDENTIAL,
COMMERCIAL AND INDUSTRIAL BUILDINGS

WEIDA's RainSaver is a rainwater harvesting system designed to collect rain water from the roof and making it suitable for a wide range of non-potable usage.

RainSaver offers complete peace of mind to the end-user where the quality of rainwater is assured with its extensive range of both pre-storage and post-storage treatment solutions.

WEIDA's technical and sales personnel work together with (architects and consultants) in both design and selection for best solutions to fulfill and exceed clients' expectations.

RainSaver Rainwater Harvesting System

Rejang Series - Designer rainwater tank



Description

- Tank aesthetic and surface finish to match with most buildings' exterior.
- Optimum footprint for capacity and minimal space requirement.
- Lower height for easier maintenance.
- Designed and manufactured with proprietary ZeO Technology.

Features (ZeO Tech)

- Quality assurance of harvested rainwater even during periods of prolonged storage. (with Weida Purity rainwater components).
- Prevention of algae growth.
- Strength enhancement of overall tank structure by additional reinforcements at critical areas.
- Resistance to mosquito intrusion and through special inner lining treatment.
- UV Defender to ensure long-term structural integrity in typical outdoor environment.



Technical Data

Model name:	REJANG 600 /1200
Capacity:	600 / 1,200 liters
Dimension:	REJANG 600 - 1,500 x 450 x 1,400 (height) mm REJANG 1200 - 2,040 x 370 x 2,040 (height) mm
Material:	Polyethylene (PE)
Surface finishing:	Smooth / Stone-effect



Rejang is part of the complete RainSaver rain harvesting system



Downpipe filter



First Flush Diverter



Part fill valve



RainSaver Rainwater Harvesting System



Endau Series - Compact rainwater tank

Description:

Small footprint suitable for installation within buildings with limited space e.g. terrace house.

Minimum tank height (330 mm) allows above-ceiling installation.

Wide range of capacity selection.

Features

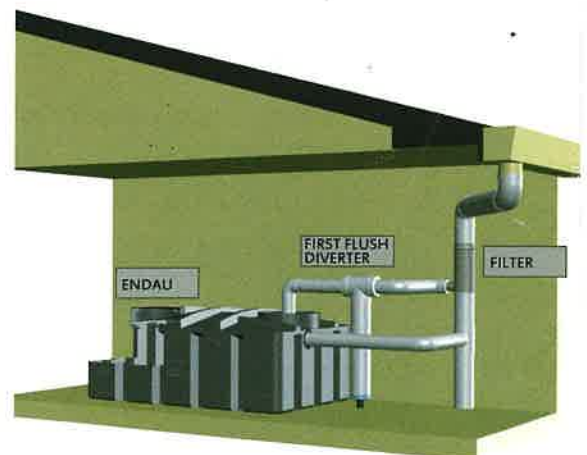
- 1) Uni-body seamless construction guarantees leakproof operation throughout product lifetime.
- 2) Food-grade material ensures no toxicity and odor is imparted to the water.
- 3) Light-weight and ruggedness facilitate speedy handling, transportation and installation.



Technical data

Model name: ENDAU
 Capacity: 230 / 450 / 680 / 900 / 1,100 liters
 Material: Polyethylene (PE)
 Color: Beige

		Length /mm (in)		Width /mm (in)		Height /mm(in)	
250 Gal	E1100	1,360	(54)	1,360	(54)	840	(34)
200 Gal	E900	1,220	(49)	1,230	(49)	680	(27)
150 Gal	E680	1,350	(54)	705	(28)	800	(32)
	E680L	1,100	(44)	1,100	(44)	625	(26)
100 Gal	E450	1,300	(52)	800	(32)	520	(21)
50 Gal	E230	900	(36)	700	(28)	450	(18)
	E230L	1,100	(44)	600	(24)	330	(13)



RainSaver Rainwater Harvesting System

Tera Series - Underground rainwater tank



Description

High structural integrity designed for underground rainwater harvesting systems.

Large storage capacity up to 3,000 liters

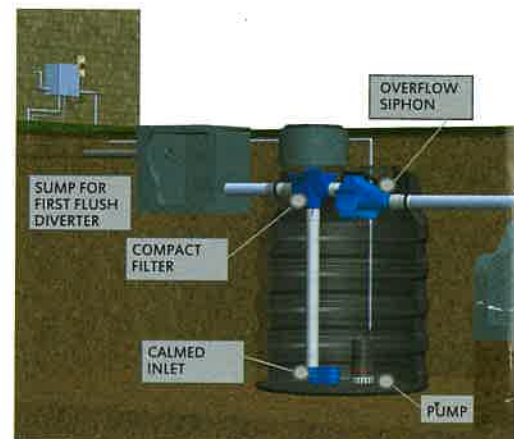
Suitable for residential buildings that require large capacities without compromising on living space.

Features

- 1) Uni-body and seamless construction for zero-leak operation throughout its lifetime.
- 2) Use of food-grade material ensures no toxicity nor odor is imparted into the water.
- 3) Light weight and ruggedness facilitate speedy installation and easier handling and transportation.

Technical Data

Model name:	TERA 1200 / 2000 / 3000
Capacity:	1,200 / 2,000 / 3,000 liters
Dimension:	T1200 - 1,300 (diameter) x 1,330 (height) mm T2000 - 1,450 (diameter) x 1,760 (height) mm T3000 - 1,625 (diameter) x 1,740 (height) mm
Material:	Polyethylene (PE)
Color:	Beige



Rejang is part of the complete RainSaver rain harvesting system



Compact filter



First flush diverter



Calmed inlet



Overflow siphon

RainSaver Rainwater Harvesting System

Downpipe filter



Description

- Filters and collects rainwater from downpipe
- Suitable for roofs up to 100 m²
- Built-in first flush function

How it works

- 1) Rainwater is led through the downpipe onto the inner side of the mesh.
- 2) Water is then accumulated by a connecting piece.
- 3) Through vortex action, water is filtered while dirt and pollutants cannot pass through the mesh.
- 4) Clean water flows through the outlet and into the first flush or tank.
- 5) Dirt and pollutants are flushed out to the drain.



Technical Data

Model name:	Downpipe filter
Flowrate:	11.6 L/s (maximum) 1.1 L/s (clean water)
Mesh size:	0.3 x 0.3 mm
Inlet size:	DN100
Outlet size:	DN50
Drain size:	DN100
Weight:	1.3 kg
Material:	Stainless steel (housing) Stainless steel (mesh)



Recommended tanks as part of the RainSaver rain harvesting system



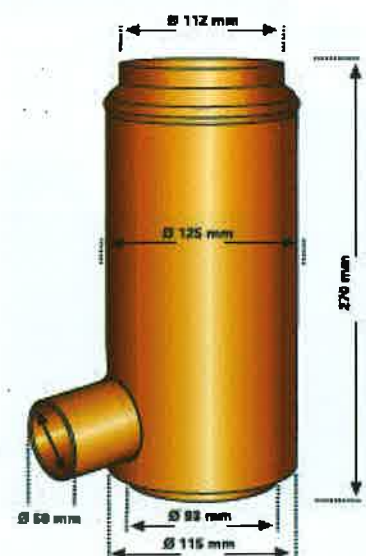
DUOS Planter



Rejang



Endau



RainSaver Rainwater Harvesting System



First flush diverter

Description

Removes dissolved* pollutants and prevents it from entering the tank.

Automatic operation (non-electrical and non-mechanized parts).

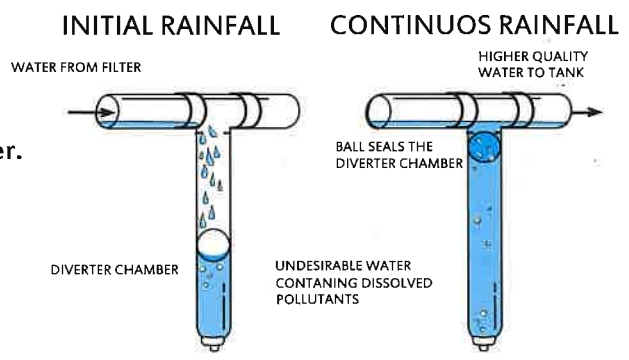
Easy and DIY maintenance.

* dissolved pollutants may contain bacteria from decomposed insects, bird/small animals droppings, water-borne heavy metals and chemical residuals.



How it works

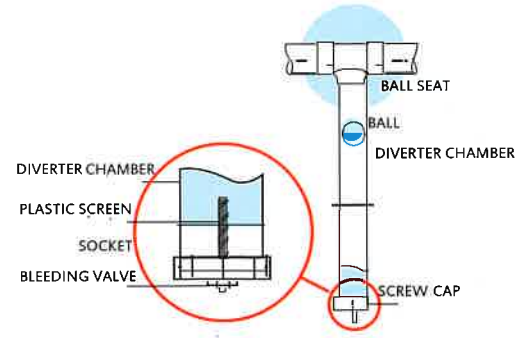
- 1) The first flush diverter is installed after the filter.
- 2) An automatic and dependable ball-seat mechanism is utilized.
- 3) As rainwater from the filter enters the first flush diverter, water level rises. The ball within the diverter chamber floats and rests on the seat once the desired first flush volume is reached.
- 4) This denies the further entry of filtered rainwater into the chamber.
- 5) Instead, high quality of rainwater is directed into the tank.
- 6) Dirty water stored within the diverter chamber is flushed out through a bleeding valve below.
- 7) The first flush diverter then automatically resets itself.



Technical Data

Model name	First flush volume (L)	Diverter chamber UPVC pipe	
		Size	Length /cm
FFD100	3.0	DN100	45
	6.0		80
FFD300	25	DN300	50
	50		85

- Note:
- 1) Diverter chamber UPVC pipe by installer.
 - 2) Please contact us for larger first flush volume requirements.



RainSaver Rainwater Harvesting System



Part fill valve

Description

Ensures continuous operation of the rainwater harvesting system during periods of low or no localized rainfall.

Maintains minimum water level inside the tank while leaving capacity for next rainfall.

How it works

- 1) The part fill valve is connected to the mains supply and installed through the side wall of the tank and above the overflow level.
- 2) When the rainwater harvesting system is utilized, the tank empties and the weighted float travels down the cord.
- 3) Upon reaching the bottom stop, valve is activated and fills the tank until the weighted float is lifted from the bottom stop.
- 4) Up to 150 mm differential is obtainable (subjected to incoming pressure).

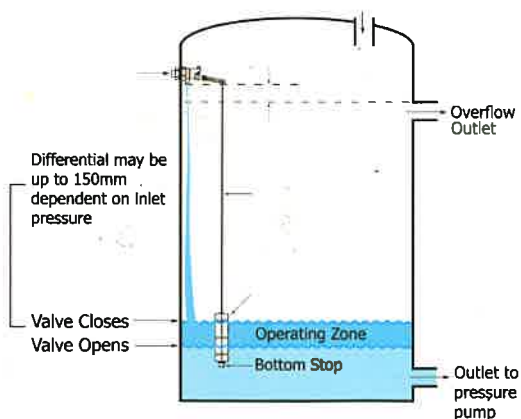


Technical Data

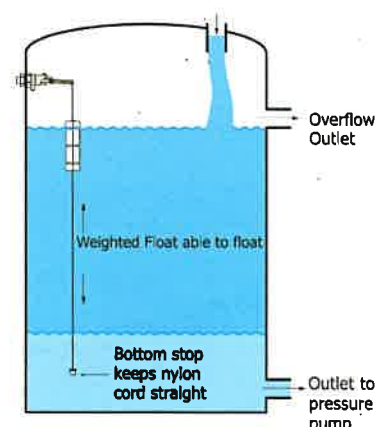
Model name	Inlet size	Pressure range (Bar)	Max flow rate L/min
PFV20	DN20	0 - 10	20
PFV50	DN50	0.3 - 10	600

Material:

- ABS (Valve body)
- HDPE (Float)
- Stainless steel (Spring, bolts & nuts)
- Polyester (Float cord)



During periods of no rainfall



During rainfall