

FloPlast
building the future

StormSaver Rainwater Harvesting



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STORMSAVER RAINWATER HARVESTING

Introduction to StormSaver Rainwater Harvesting

Rainwater Harvesting works by taking the rain from roofs and filtering out leaves and debris, before storing the water underground in the main storage tank. The water is then pumped into the property to be used for non-drinking applications, e.g. flushing toilets, washing machines and garden watering.

Water conservation is an issue facing all households, particularly in the South-East of England where there is less water available per person than in many Mediterranean countries.

Increased water usage through kitchen appliances, power showers, garden sprinklers and hoses, power jet washers for patio and car cleaning, means that on average we each use 150 litres of clean treated mains water per day.

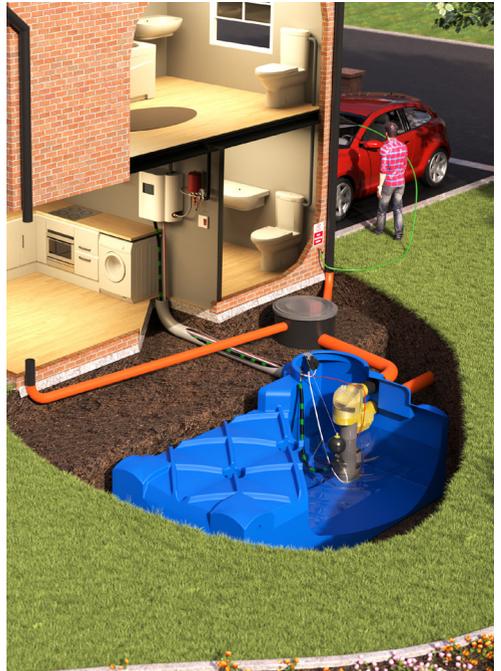
Benefits of using StormSaver:

- Uses over 75% less energy than other traditionally pumped Rainwater Harvesting systems, by using clever suction technology.
- Low decibel rating.
- Flow Rate of 10 litres per minute (same as mains pressure).
- Compact control unit, which can easily fit into either a kitchen cupboard, or be located in a utility room or garage.
- Cost effective solution to reuse rainwater effectively.
- The shallow dig tank is robust and comes with all the necessary components such as integral filtration, overflow siphon and inlet calmer pre-fitted for ease of installation.
- Ideal for new build properties and homes with up to 6 bedrooms.

With inflation busting annual water price increases, the need to recycle water is an economic necessity for many households particularly for large ones on water meters.

StormSaver enables the household to recycle water which can potentially reduce annual water bills by up to 50%. In addition, StormSaver can form part of a Sustainable Drainage System (SuDS) for new build or retrofit developments and can contribute to surface water management and reducing flood risk.

You can also help the environment by reducing the demand for mains water for example, using rainwater to keep watering during the summer or whenever there are water restrictions.



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StormSaver Information

Accreditation

StormSaver has been developed in accordance with BS 16941 for Rainwater Harvesting and the Water Regulations Advisory Service (WRAS) Guidelines.

Easy and Simple Installation

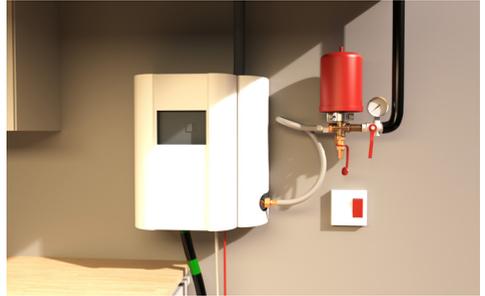
Due to StormSaver's intelligent low energy design, it can be powered via solar panels or wind turbines, therefore reducing both your water usage and carbon footprint.

StormSaver is easy to install, simple to maintain and can reduce domestic consumption.

The system has been developed to provide the homeowner with a simple, yet effective automatic

supply of harvested rainwater.

During periods of low rainfall, if the tank should run empty, the system automatically switches to mains water supply.



Uses for the StormSaver system



Vehicle Washing



Landscape Watering
and sprinkler



Toilet



Garden Watering



Domestic Laundry

Why install the StormSaver system

StormSaver's control unit uses a new technologically advanced membrane pump, which operates on 90 watts. Other systems, waste 90% of their energy operating pumping systems with a power consumption of over 800 watts. This means energy consumption and running costs are 75% lower than traditional pumping systems. The system costs less to operate, less to maintain and emits lower associated CO².

- Cost of mains water has increased and will continue to rise.
- Housing Associations need to ensure that their properties use low amounts of water and affordable running costs.
- Buyer purchasing decisions based more on energy efficiency ratings.
- When combined with other sustainable technologies, Rainwater Harvesting Systems can help secure planning permission.

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StormSaver Parts

StormSaver parts are available either as a package or sold as individual items, please see the back page of this brochure for the full range.

Underground Storage Tank

The Polyethylene tank is situated below ground and should be fitted at a maximum of 40 metres away from the house with a maximum depth of 3.6 metres.

The tank does not require concrete backfill, which reduces cost as well as the environmental impact.

- The tank is designed for shallow dig excavations, thus avoiding the costs of a deeper excavation, i.e. less soil to remove and dispose of.
- The tank is light and easily manoeuvred by two persons.
- Integral leaf filter, back pressure flap and inlet calmer - all pre-installed.
- Durable and economical.
- Access for maintenance is easier than other tanks due to shallow install.
- The tank comes with a 25 year guarantee.

There are four different sizes of tank to cater for most needs:

- **1500 Litre:**
2400mm Length x 1200mm width x 1015mm height including 235mm entrance shaft.
- **3000 Litre:**
2400mm Length x 2400mm width x 1015 height including 235mm entrance shaft.
- **5000 Litre:**
2960mm Length x 2220mm width x 1350mm height including 235mm entrance shaft.
- **7500 Litre:**
3340mm Length x 2310mm width x 1415mm height including 235mm entrance shaft.

Control Panel

The compact, low energy control panel provides homeowners with an automatic supply of filtered rainwater that switches to main water supply should the tank run empty during periods of high usage. 90 watt suction pump - can be connected to solar, wind or mains power supply.

- WRAS compliant airbreak.
- Optimised for usual consumption points such as toilets, washing machines, garden tap etc.
- Motor drive 3 part valve, not a solenoid.
- Display has manual/auto switch for supply and LED indication for rainwater, potable water and storage tank low level.
- 40mm overflow included.
- Dry run protection.
- Low noise level in operation with only 48dba.
- Ready to start without pump priming.

Technical Details

Weight:	8kg
Power supply in:	110-230V/50-60 Hz
Power out:	24V DC/4A
Power consumption:	Max 90W
Max pump pressure:	2,5-3,5 bar
Max flow:	10L/min
Primary pressure:	2,5-4 bar (mains)
Pump start pressure:	1,8-2,5 bar
Noise Level:	48dba

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StormSaver Accessories

½" Boosted Floating Suction Filter Kit

To be fitted in the main storage tank providing filtered water prior to entering the control panel.

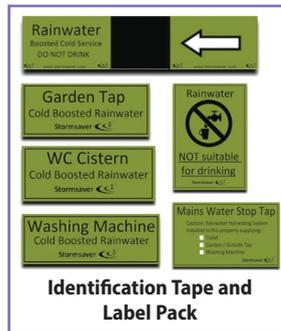
½" Flexible Suction Hose (20m/40m)

Available in either 20m or 40m lengths. Connects the boosted floating suction filter kit to the control panel. The hose must be a continuous length without breaks from the tank to the control panel to ensure correct suction is maintained.

Identification Tape and Labels Pack

To reduce the risk of cross-connection and contamination, it is essential that the reused water pipework is readily distinguishable from other pipework. FloPlast offer an identification tape and labels pack to ensure your system is correctly labelled and meets WRAS Regulations.

Additional accessories are available and shown on the back page.



Maintenance and Spare Parts

Maintenance & Servicing

It is important to service and maintain your rainwater harvesting system on a regular basis. This is to ensure that the water recycling system is operating effectively and efficiently to prolong the lifespan of the rain system components.

We recommend that the Inlet filter is serviced twice a year by simply jet washing the filter. The tanks are usually maintenance free however during installation it is common for dirt and debris to enter the tank. Therefore, it is recommended that the installer ensures that the tank is clean before the system is fully operational.

For Maintenance and Service contracts, please contact: StormSaver on 0844 884 0015.

Parts and Spares

For additional parts, spares and technical advice please contact:

FloPlast StormSaver on 01795 431731.



STORMSAVER RAINWATER HARVESTING

Product List

Product	Size	Code
StormSaver Packages		
Package includes: <ul style="list-style-type: none"> Underground storage tank 235mm Entrance shaft Pedestrian duty lid for tank Control panel ½" Boosted floating suction filter kit 20m ½" Flexible suction hose 	1500L	S1500
	3000L	S3000
	5000L	S5000
	7500L	S7500

Size is in litres

Product	Size	Code
StormSaver Tank		
	1500L	ST1500
	3000L	ST3000
	5000L	ST5000
	7500L	ST7500

Product	Code
Pedestrian Duty Lid	
	PDL1

Product	Size	Code
Entrance Shaft		
	235mm	ES235
	635mm	ES635

Product	Size	Code
Control Panel €€		

		CP1
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Product	Code
½" Boosted Floating Suction Filter Kit	
	FK1

Product	Size	Code
½" Flexible Suction Hose		
	20mm	H20
	40mm	H40

Product	Code
Level Sensor	
	LS1

Product	Code
Identification Tape and Label Pack	
	ID1

Product	Code
110mm Non-Return Valve - Single Flap €€	
	D550

Required for the system to comply with BS 8515

Contact Details

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