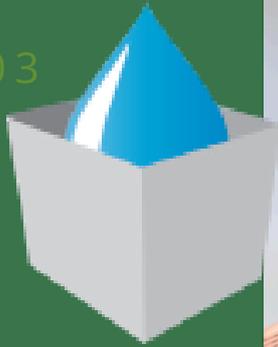


BUB V03



# RainBackup<sup>®</sup> in a Box

RAINWATER CAN  
BE USED FOR:

- TOILETS
- WASHING MACHINES
- OUTSIDE USE
- CAN SAVE UP TO 50%  
OF MAINS SUPPLY

Plug-and-play mains  
water backup for  
Rainwater Harvesting  
Systems.

Rain Backup in a Box<sup>®</sup>  
automatically provides  
mains water when the  
rainwater runs out.



Made in Britain

Certified Product to  
NSF REG4 S3

[Rainwaterharvesting.co.uk](http://Rainwaterharvesting.co.uk)

**DIRECT  
FEED**

# WHAT IS THE RAIN BACKUP IN A BOX?

## HOW DOES A DIRECT FEED RAINWATER HARVESTING SYSTEM WORK?

Rain falls onto the roof, down the drain pipes, filtered and stored in an underground tank.

In a direct feed system there is a pressure sensitive pump in the tank.

When a toilet is flushed, the pump will register a drop in pressure and start pumping. When the cistern is full, the pump will rebuild the pressure within the pipes and shut itself down. The pump will run every time there is a demand for water.

The Rain Backup® in a box will sense if the rainwater level in the tank becomes critically low. It will automatically allow a measured quantity of mains water into the tank, ensuring your appliances are never without water.

The system does NOT fill the tank. It adds a small amount of water as often as necessary until rainwater is available.

Either a level sensor or float switch (depending on the model) is used to detect when water is at a critical level.

When the sensor is activated, a solenoid valve will open in the control unit, (mounted within the home) allowing mains water to enter the tank.

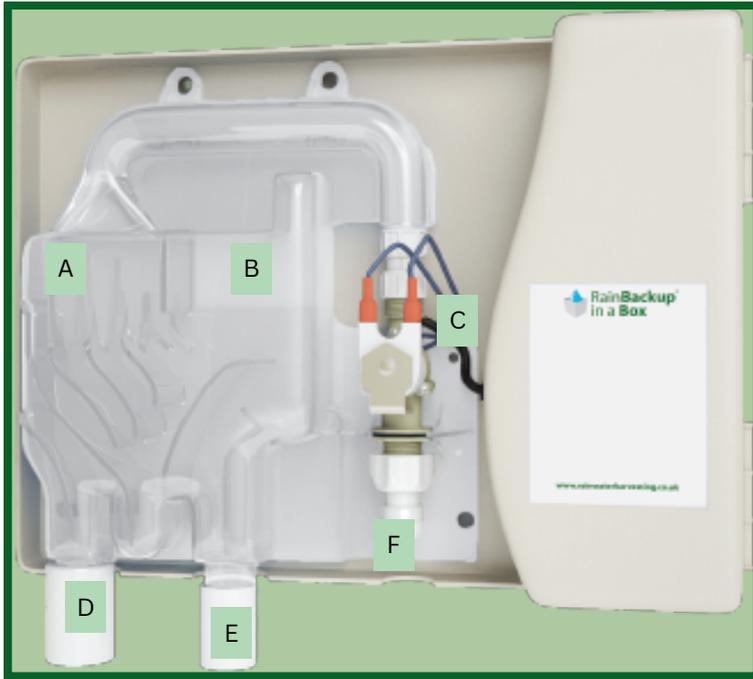


All products are designed, made and tested in our UK workshops



Made in Britain

## WHAT'S IN THE BOX



- A Multi-route anti splash tundish
- B 1" air gap
- C Solenoid valve
- D Mains to tank 32mm pipe
- E Overflow 32mm waste pipe
- F Mains in 15mm pushfit/copper



Certified Product to  
NSF REG4 S3

No: 2510623

NSF Reg 4 S3 approval is the best way to demonstrate compliance and is accepted by every UK water authority.

## SIMPLE MAINS BACKUP & EASY TO FIT



- Replaces multiple, customer assembled components with one easy to install unit.
- Simple "plug and play" install favoured by builders.
- Adheres to all UK water regulations, includes AB air gap and overflow.
- Stylish control unit.
- Safe and efficient 12V supply.

380mm (W) x 270mm (H) x 95mm (D)

## FOR SHALLOW DIG TANKS

For ease of installation most of our systems use shallow dig underground tanks. (Can be less than 1.5m in depth.)

The system uses a contactless level sensor within the tank, sending a message to the control unit if the water reaches a low level.

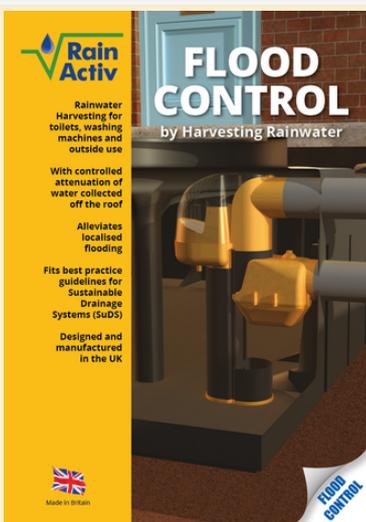
Unlike any other mains backup system, the Rain Backup® in a Box introduces a timed amount of water into the tank. This is factory set at 45 minutes and restricted to 4 litres per minute. This allows a minimum amount of mains water to be used until the next rainfall.

## OTHER INNOVATIVE PRODUCTS FROM RAINWATER HARVESTING LTD



- Intelligent mains water management system
- Low energy system
- Running costs less than 1p per person per day
- Automatic mains water switchover if storage tank is low
- Failsafe mains backup
- Auto-refresh function cycles water every 3 days

## SUSTAINABLE DRAINAGE DESIGN



**Sustainable  
Drainage  
System (SuDS)**  
Where drainage is a problem

- Limit stormwater discharge rates.
- Planning authority recognised Micro Drainage (TM calculations included).
- Industry leading low discharge rates.
- Can combine rainwater harvesting with SuDS.

## RAIN ACCULEVEL



Introducing the Rain Acculevel Smart Level Sensor.

The Rain Acculevel will accurately measure the water level in your rainwater tank giving readings that you can view on a PC or smart device.

Using the latest wireless technology it works on tanks below or above ground and over long distances.



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