

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

GRAVITY
FEED

Sustainable Drainage System



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

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

FLOOD
CONTROL

All products are designed, manufactured and thoroughly tested in house in our UK facilities.



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RainBackup[®] in a Box

Simple to use
Simple to fit

Mains water backup for
rainwater harvesting
systems

Rain Backup in a Box[®]
automatically provides
mains water when the
rainwater runs out

**RAINWATER CAN
BE USED FOR:**

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



No: 2006006



Made in Britain



DIRECT
FEED



MAINS WATER BACKUP FOR DIRECT FEED RAINWATER HARVESTING SYSTEMS

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.

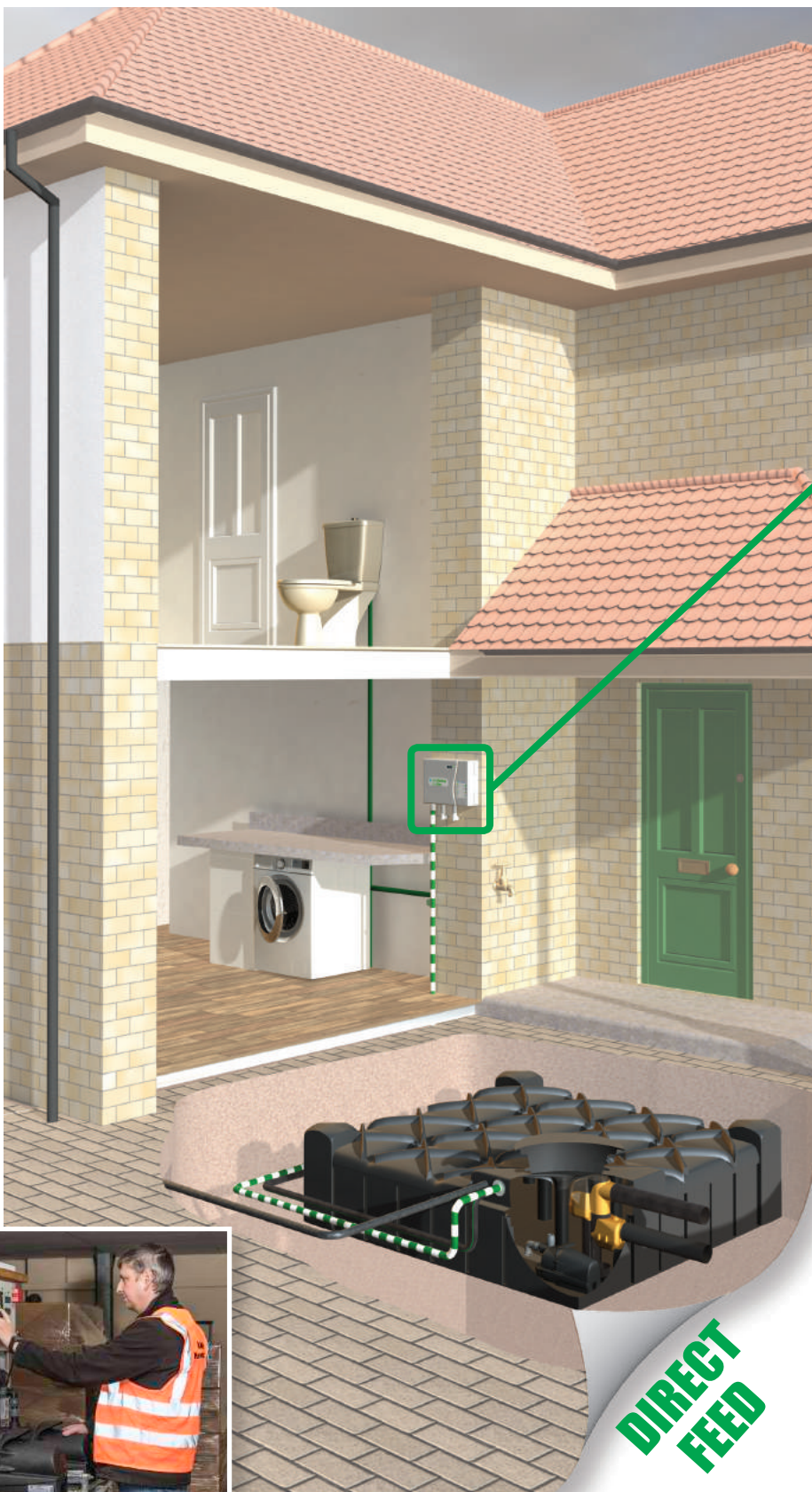
In a direct feed system there is a pressure sensitive pump in the tank.

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 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*



RainBackup[®] in a Box

KEY TO THE CONTROL PANEL & PIPE DIAMETERS

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



No: 2006006

WRAS Approval is the best way to demonstrate compliance and is accepted by every UK water provider.

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. This allows a minimum amount of mains water to be used until the next rainfall.



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