

Automatic mains backup

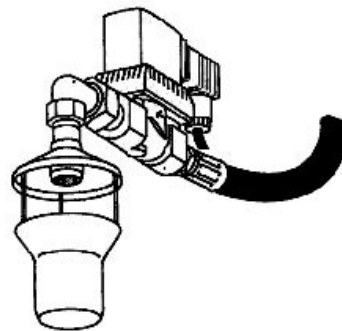
Ensures constant water supply in rainwater harvesting systems

INTRODUCTION

This fully automatic back-up system is designed for use in rainwater harvesting systems. It safeguards the system from running out of water by providing a controlled link to the mains. The float valve delivers a limited quantity of mains water (approximately 10% of the tank volume) to the storage tank whenever the stored water level falls below a pre set minimum.

ADVANTAGES

- Mains connection conforms to current Water Regulations
- Two year guarantee
- Easy installation
- High reliability
- Amount of mains water used kept to a minimum
- Guarantees water is always available for flushing toilets and other essential functions



GENERAL

The automatic mains back-up system consists of a mains water feed sited outside the storage tank controlled by a float valve sited inside the tank.

The mains water feed incorporates a solenoid valve and a 50 mm stainless steel feeding hopper. The solenoid valve is automatically activated when the volume in the tank falls below a pre-set level.

The feeding hopper provides an inbuilt type AA air gap to conform with the current Water Regulations. The feed is sized from 1/2" to 2" depending on site conditions. The automatic mains back-up needs a fused spur protected by an RCD and a suitably sized mains water supply. In domestic properties it is best sited in a utility room or garage though may be installed under the stairs.

PRODUCT DATA

Mains water feed consists of: brass ball valve with a dirt trap made of stainless steel, mesh size 0.65 mm, connecting pressure hose with non-return valve, solenoid valve with 1.5m connecting cable and electrical plug, 50mm stainless steel feeding hopper with nozzle for spray-free filling.

With 3 bar pressure the mains feed will provide the following volumes of water:

1/2"	2.64 m ³ /h
3/4"	6.48 m ³ /h
1"	8.64 m ³ /h
1 1/2"	20.52 m ³ /h
2"	34.92 m ³ /h