








# Automatic Standpipe (BFA\*)

THE CASHLESS DRINKING WATER MANAGEMENT SOLUTION, AVAILABLE 24/7 AND FULLY SECURE FOR SEMI-URBAN AND RURAL AREAS IN AFRICA

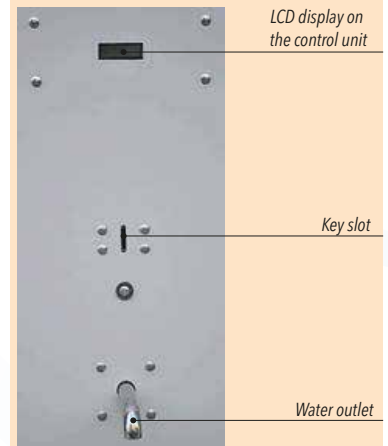
## 15 years' experience in Africa

Autonomous and automatic, for uninterrupted community water point management.



-  The user simply enters their RFID key to draw water. The water cuts off when the key is removed.
-  Equipped with a solar panel, the BFA is entirely autonomous, with no need for any radio or telecom link.
-  The BFA has a steel structure with an epoxy protective coating, and is highly resistant to external hazards.
-  Credit on the key can be reloaded using an electronic payment terminal.
-  All the components are designed for quick and easy maintenance.
-  The BFA comes in a "high pressure" version ( $> 2$  bars) for urban water networks, and a "low pressure" version ( $0.5 < P < 2$  bars) for water tower supply.
-  Possible customisation of the BFA.

### MAIN COMPONENTS



Electronic payment terminal



Key containing an RFID chip



Infrared remote control to configure the automatic system and read the operating data



\* Borne-Fontaine Automatique = Automatic Standpipe, in French.

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## TECHNICAL SPECIFICATIONS

### TAP(S)

The standard model comes with a single tap. The BFA also comes in a version with two taps. This means that two users can fill up with water at the same time.

### CONTROL UNIT

Includes a clock backed up using a lithium battery (10-year operating life).

Alphanumerical LCD display: time and date, meter index, key identification, credit remaining on the key. Infrared receiver to set the operating parameters.

### KEY READER

Made from PVC.

Self-cleaning slot: foreign bodies (earth, wood, etc.) are pushed out when the key is inserted.

### HYDRAULIC SET-UP

Equipment comprises: water inlet (1/2 or 3/4 inch), stopcock, solenoid valve, Hall-effect electromagnetic flowmeter, water outlet (1/2 or 3/4 inch).

Filter and surge control. Option: pressure relief device.

### BATTERY

Specifications: 12V 7 Ah. No servicing required.

Option: 230 V mains power supply/charger.

### PHOTOVOLTAIC MODULE

Power: 10 Wp - 12 V.

Built into housing that rotates 90°.

### KEY

Plastic. 6 mm thick.

Can be submerged in water.

Contains the following information: network (or water authority or municipality) identification code, key serial number, subscriber code, standpipe identification (if compatible with a single standpipe only), water quota, prepaid water quantity, key expiry date.

## OPERATION



Filling up with water from a BFA



Reloading the key at an authorised kiosk



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