

# BioforZe BLOCK

## BIOLOGICAL MAINTENANCE OF PUMPING STATIONS

### BIOTECHNOLOGICAL SPECIALITIES

#### INDUSTRY-MUNICIPALITIES

Urban wastewater pumping stations in sewer lines suffer from various operating problems that are associated with the composition of the wastewater, particularly the presence of fats and other components that tend to float or decant.

This material tends to form layers on the surface of the pumping well, which get bigger and thicker over time until they are so thick that they hinder the operation of the buoy system that controls the emptying of the well.

In addition, the accumulation of waste materials and the inflow of wastewater to the station lead to bad smells that may affect neighbouring areas.

**BioforZe BLOCK** is an innovative product that includes selected natural microorganisms and a specific combination of surfactants and nutrients in order to liquefy, emulsify and break down plant and animal fats and facilitate their removal from the medium.

At the same time, the bacterial activity of **BioforZe BLOCK** breaks down other organic compounds, including cellulose, detergent, etc.

**BioforZe BLOCK** is easy to use, due to its presentation in compact blocks that gradually dissolve in the wastewater.

**BioforZe BLOCK** is formulated with strictly non-pathogenic microorganisms, according to European Directive 2000/54/EC.

#### APPLICATIONS

**BioforZe BLOCK** can be used for:

- Treatment of pumping stations in the municipal sewer system.
- Pumping stations in car parks, basements, shopping centres and hospitals, among others.
- Sewer lines with problems caused by the build-up of organic matter (fats).

#### ADVANTAGES

- Maintains the surface of the station free from floating matter.
- Reduces problems resulting from fat build-up.
- Prevents emergency situations of blockages in stations.
- Reduces fat-related cleaning and removal costs.
- Reduces bad smells.
- Easy to use, due to its presentation in blocks.

## **DOSAGE AND INSTRUCTIONS FOR USE**

The following table summarises the doses of **BioforZe BLOCK** that are usually required in pumping stations. However, the recommended dose for each case will be defined by our Technical Service, after a specific study of each application.

Station Capacity	Dose of BioforZe BLOCK
4 m <sup>3</sup>	1 block/month
20 m <sup>3</sup>	3 blocks/month
75 m <sup>3</sup>	5 blocks/month

One block of **BioforZe BLOCK** lasts one month in normal application conditions.

**BioforZe BLOCK** is applied in the pumping station, away from wastewater inflows. Turbulence and the washing effect will reduce the duration of the product. Ideally, the block should be suspended in an area of turbulence, close to a wastewater inflow. It should not be placed close to electrical cables or buoys.

Blocks should be suspended in the station's wastewater in such a way that they are always submerged, even when the water level is at its lowest. This ensures that the product is in contact for a longer time with the waste to be broken down, which improves the results of the treatment.

## **CHARACTERISTICS**

- Appearance: Compact pink block
- Bacterial count: 3 billion microorganisms per gram
- Composition: Natural microorganisms, nutrients and biological stimulants

## **RECOMMENDATIONS**

- Store in a cool, dry place.
- Avoid inhaling the powder.
- Avoid prolonged contact with the skin.
- In the event of contact with skin, wash thoroughly with soap and water.
- For further information, see the product's safety data sheet.

## **PACKAGING**

Boxes containing six 750-gram blocks.