



WE LOVE THE WATER  
AMAMOS EL AGUA



# MICROCAT® – BIOPOP

BIOFORMULA FOR TRAP, PUMP STATION AND SEWER MAINTENANCE



## DESCRIPTION

**MICROCAT®-BIOPOP** are rugged, semi-submersible cylinders that slowly dissolve and release microbes and enzymes that can reduce odor and improve FOG degradation. They are fabricated of a slowly dissolving matrix inside a durable, porous netting.

**MICROCAT®-BIOPOP** are designed to be dropped into a water-containing tank (grease trap, lift station, etc). they contain environmentally-safe, naturally-occurring microbes and their enzyme secretions. The microbes are specially selected for their ability to break down (not just dissolve) the organic contaminants common in food preparation wastewaters and domestic water discharges.

The periodicity must be replaced when the cylinder is estimated between 35-80 days, depending on the fat concentration at the place of application.

**MICROCAT®-BIOPOP** unique combination of ingredients cleans and deodorizes naturally without harsh chemical side affects; and it is always safe-to-use.

**MICROCAT®-BIOPOP** is specially formulated for use in:

- Wastewater treatment plants in the food industry.
- Plants of wastewater treatment in the metallurgical industry.
- Plants of municipal wastewater treatment.
- Companies that produce processed food.
- Kitchens catering sector (hotels, restaurant, etc.)
- Military barracks.
- Campings.

## CHARACTERISTICS

APPEARANCE	Red, green, blue or beige cylinders or cakes in plastic mesh netting with loop for hanging.
CONTENT	Non-pathogenic, naturally-occurring, preselected microorganisms in a dissolving solid or semisolid matrix.
SHELF LIFE	Two years when properly stored.
Packaging	Boxes of various units, according to size and application.

## APPLICATION

**MICROCAT®-BIOPOP** are ideal for installation in any grease trap, lift station or sewer line experiencing odor problems and/or the buildup of fog. It is from designed for easy mooring and retrieval via line or rope on such systems.

## STORAGE AND HANDLING

STORAGE	7 - 40 °C. Do not freeze or heat above 40°C
HANDLING	CAUTION Active enzymes present. If material contacts skin or eyes, flush thoroughly and repeatedly with water.



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## BIOPOP APPLICATION RATE SCHEDULE

### Grease Interceptors/Traps

BioPops are normally placed near the wastewater inlet and suspended by rope, cable or chain below the water line. Dissolution occurs in 30-90 days depending on flow through the trap, water temperature and trap size within the range in the table below (faster dissolution in larger traps).

#### Grease Interceptors or Traps

Min. Volume (liters)	Max. Volume (liters)	BioPop size (lb)	Price €/box	Unit/box
0	8	0.07	ASK	12
8	25	0.5	ASK	12
25	80	1	ASK	6
80	200	2	ASK	4
200	500	5	ASK	4
500	1500	10	ASK	4
1500	5000	30	ASK	1

### Lift Stations and Wastewater Treatment Plants

BioPops are normally placed near the inlet of lift stations but should not be directly in the influent flow. Keep clear of pump floats, electrical cables, etc. Place at or near the inlet/splitter box to aeration basins/treatment tanks of wastewater treatment plants. Suspend by rope, cable or chain below the water line (low water level in lift stations). Dissolution occurs in 30-90 days depending on flow through the trap or tank, water temperature and actual size within the range (faster dissolution in larger stations). BioPops will dissolve faster in lift stations with short cycle times. The minimum recommended hydraulic retention time is 4 hours.

#### Lift Stations and Small Wastewater Treatment Units

Min. Daily Flow (m <sup>3</sup> /day)	Max. Daily Flow (m <sup>3</sup> /day)	BioPop size (lb)	Price €/box	Unit/box
10	40	2 x 0.07	ASK	12
40	100	0.5	ASK	12
4000	12,000	30	ASK	1
12,000	40,000	2 x 30	ASK	2

### Sewerage Collection Systems

BioPops can be installed in manholes to prevent grease clogs and reduce odor generation in collection system piping. Suspend from the ladder or other fixture such that the BioPop is completely immersed during low flow. Use multiple BioPops when runs are longer than shown or loading is high.

Pipe diameter (cm)	Run between application points (m)	BioPop size (lb)	Price €/box	Unit/box
<15	30	0.07	ASK	12
<25	100	0.5	ASK	12
<30	100	1	ASK	6
<45	100	2	ASK	4

