

## GREASOLUX – A PRODUCT PROVIDING SOLUTIONS TO PROBLEMS CAUSED BY FAT IN WASTEWATER TREATMENT

### DESCRIPTION

**GREASOLUX** – is an especially efficient product for low cost solutions to problems caused by fat.

**GREASOLUX** – is a cartridge that slowly dissolves in water, enriched with special fat dissolvent microorganisms and enzymes. **GREASOLUX** cartridges are fabricated of a slowly dissolving matrix inside durable, porous netting. They are designed to be dropped into a water containing tank (grease trap, lift station, etc) by a line or rope. It contains 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 generally.

### APPLICATIONS

**GREASOLUX** is ideal for installation in grease traps, pumping stations or sewer lines experiencing odor problems and/or the buildup of FOG. **GREASOLUX** cartridge is designed for easy mooring and retrieval via line or rope in such systems. **GREASOLUX** cartridge dissolves over a period between 30 to 60 days and depends on temperature, debit and flow rate of wastewater.

### DOSING PROGRAM

**GREASOLUX** cartridges is available in different sizes to meet different wastewater flow rates. **GREASOLUX** dosing program is selected in each case individually which depends on the cleaned wastewater discharge, fat concentration, temperature and pH of the wastewater, the amount of detergents in wastewater and wastewater treatment demand. Mainly we recommend to dose one - two units of **GREASOLUX** to one sewer line, well, grease trap or pump station. The size of the dosed cartridges mainly depends on the grease concentration of the wastewater and application type.

**GREASOLUX** has the most effective action when it is suspended as close as possible to the problem area. Furthermore, one shall avoid hanging of **GREASOLUX** cartridges in aggressive medium: high wastewater temperature, contact with concentrated chemical agents (for example, detergents), acute pH fluctuations. In pump stations the cartridges shall not be placed in the direct wastewater flow. Moreover, the products should be suspended to such a depth, so to ensure continuous contact with water, but shall not lie on the bottom.

Below you can find estimated **GREASOLUX** doses for wastewater pump houses, wastewater acceptance tanks and fat collectors. Also it is reasonable to use **GREASOLUX** in wastewater collection wells, in case of choking of pipes. The major effect can be achieved, if you hang the product just right after physical cleaning of pipelines.



**GREASOLUX** cartridges: this way is distinguished by low price, little labor cost and high efficiency.

### GOALS:

The main goals of **GREASOLUX** use:

- Counteract offensive odors.
- Reduce fat concentration in wastewater – reduce the taxes of wastewater pollution.
- Reduce fat accumulations and blockages in wastewater pipes, pumps, lift stations, grease traps, wet wells – reduce sewer lines treatment taxes.
- Reduce the cleaning frequency of wastewater pumps, wet wells, grease traps and lift stations from fat accumulation.
- Reduce fat concentration of wastewater cleaning in primary or biological wastewater treatment plants – to reduce treatment plants pollution load, facilitate the work of treatment plants, reduce the operating costs of wastewater aeration or chemical reagents, to improve the results of wastewater treatment, to improve sedimentation conditions of the active sludge.
- Reduce fat concentration of the primary or biological sludge – to improve the work of sludge dewatering facilities, to reduce sludge dewatering facilities load, to eliminate sludge dewatering fouls with fat, to improve sludge dewatering results.

# PRODUCT INFORMATION



## DOSING PROGRAM FOR WASTEWATER PUMP HOUSES, COMPENSATION TANK

Wastewater flow rate in a pump house	GREASOLUX quantity
0-1000 m <sup>3</sup> /day	M – 1 pcs.
1000-2000 m <sup>3</sup> /day	L – 1 pcs.
2000-3000 m <sup>3</sup> /day	L – 3 pcs.
3000-5000 m <sup>3</sup> /day	L – 4 pcs.
5000-10 000 m <sup>3</sup> /day	L – 5 pcs.
Over 10 00 m <sup>3</sup> /day	L – 6-10 pcs.

## DOSING PROGRAM FOR FAT COLLECTORS

Wastewater flow	Fat collector volume	Average number of dishes per day	The amount of fat stored in the collector	GREASOLUX quantity in the collector
Up to 1 l/s	Up to 0,5 m <sup>3</sup>	Up to 100	20 kg	M – 1 pcs.
1-4 l/s	0,5-1,5 m <sup>3</sup>	100-400	20-60 kg	M – 1-2 pcs.
4-7 l/s	1,5-3 m <sup>3</sup>	400-600	70-100 kg	L – 1-2 pcs.
7-10 l/s	3-5 m <sup>3</sup>	60-1000	100-150 kg	L – 2-3 pcs.
Over 10 l/s	Over 5 m <sup>3</sup>	Over 1000	Over 150 kg	L – 4 vnt. and more

## PRODUCT CHARACTERISTICS

Appearance	Light blue cylinders in plastic netting.
Contents	Non-pathogenic, naturally-occurring, preselected microorganisms in a dissolving solid matrix.
Dimensions	GREASOLUX-M - Ø: 10,2 cm, height: 20 cm GREASOLUX-L - Ø: 15,2 cm, height: 18,5 cm
Shipping weight	GREASOLUX-M - 2,4 kg (4 quantity /box) GREASOLUX-L - 4,8 kg (4 quantity/box)
Shelf life	Two + years when properly stored

## OPTIMAL APPLICATION CONDITIONS

For best results, use this product under the following conditions:

CONDITION	RANGE	OPTIMUM
Water pH	6 - 9	7
Temperature, ° C	10 - 40	35

## STORAGE AND HANDLING:

Storage	7° - 40° C Dry conditions; 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.