



STATYBOS PRODUKCIJOS
SERTIFIKAVIMO CENTRAS

PERFORMANCE RESULTS

Ösel Plastic OÜ

Talli str. 3 Kuressaare city, Saaremaa vald, Saare maakond 93815, Estonia

EN 12566-3:2005+A2:2013

“Small wastewater treatment systems for up to 50 PT-Part 3”

Small wastewater treatment system BIO ÖSEL 5

Plant consists of 1 horizontal tank. Biological waste water treatment process with activated sludge.

Nominal hydraulic daily flow	0,75 m ³ /d
Material	Polyethylene
Watertightness	Watertight

Treatment efficiency ratios (at tested organic daily load BDS₅ 0,353kg/d)

	Efficiency (%)	Effluent (mg/l)
BOD ₅	98,0	9,18
COD	94,6	52,5
SS	98,0	9,21
N _{ki}	67,7(84,8*)	21,2(9,23*)
N _{tot}	16,6(9,8*)	47,6(45,7*)
P	22,1	7,01
NH ₄ -N	71,8(92,3*)	18,17(5,80*)
NO ₂ -N	-	3,09(4,76*)
NO ₃ -N	-	23,2(31,7*)

* values from calculation are excluded if temperatures in the reactor are below 12 °C

Electrical energy consumption: 0,686 kWh/d is average rate during all test period;
0,693 kWh/d is average rate during nominal sequences

Performance tested by:
SPSC - Statybos produkcijos sertifikavimo centras
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February 2023

Reg. Nr. 64_2023