SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS
Saulėtekio al. 3, LT-10257 Vilnius, Lietuvos Respublika

CERTIFICATE
OF CONSTANCY OF PERFORMANCE

Product	domestic wastewater treatment plants
Types	continuous flow, activated sludge with fixed bed biofilter media: HNV-N-125 and HNV-N-150 (anoxic and aeration chambers consist in the separated horizontal tanks, secondary sedimentation consists in separated vertical tank; excess sludge removal to the separate stabilization tank; blower installed close to the plant)
Intended use	for raw domestic wastewater treatment for populations above 50 PT
Performances	see Annexes 1 and 2
Manufacturer	UAB "Traidenis", Pramonės g. 31B, LT-62175 Alytus, Lithuania
Manufacturing plant	UAB "Traidenis", Pramonės g. 31B, LT-62175 Alytus, Lithuania
Requirements	NTĮ-01-048:2021

This certificate is issued having performed actions prescribed for system 1 in STR 1.01.04:2015 and confirms that the product complies with requirements set out in this certificate.

Number	SPSC-9316
Date of issue	2023-09-08 (first issued on 2014-09-19)«SerIsduotas»
Valid until	2026-09-09 (information www.spsc.lt)
Granted to	UAB "Traidenis", Pramonės g. 31B, LT-62175 Alytus, Lithuania, company code 249910930

Director Valdemaras Gauronskis

LIETUVOS RESPUBLIKA VILNIUS SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS UŽDAROJI AKCINĖ BENDROVĖ

Copy No. 1 EN

Statybos produkcijos sertifikavimo centras is the body for certification of building products designated by Minister of Environment

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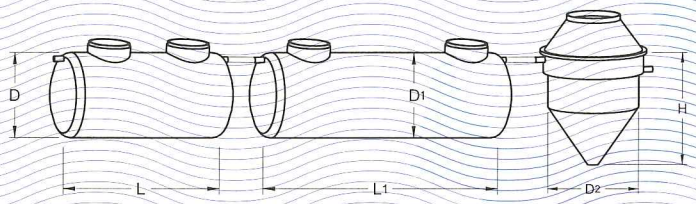
ANNEX 1 TO CERTIFICATE No. SPSC-9316

Issued 2023-09-08

Product domestic wastewater treatment plants

Types continuous flow, activated sludge with fixed bed biofilter media: HNV-N-125 and HNV-N-150
(anoxic and aeration chambers consist in the separated horizontal tanks, secondary sedimentation consists in separated vertical tank; excess sludge removal to the separate stabilization tank; blower installed close to the plant)

General view of the plant:



Type of wastewater treatment plant	Overall plant dimensions $D/L/D_1/L_1/D_2/H$, m	Load, PT (population total (equivalent))
– HNV-N-125 – HNV-N-150	3,6 / 6,9 / 3,6 /13,3 / 3,6 / 4,0 3,6 / 8,2 / 3,6 /15,8 / 4,0 / 4,2	833 1000

NOTE: PT - population total (equivalent), LST EN 1085

Essential characteristics and performances

Essential characteristic	Test method	Performance
Watertightness	NTĮ-01-048:2021, Annex 1	pass
Release of dangerous substances	—	NPD
Reaction to fire, class	LST EN 13501-1:2019	E
Load bearing capacity as plant installed when maximum height of backfill and height of the water as indicated in the declaration of performances	NTĮ-01-048:2021, clause 4.3 and Annex 3	pass
Durability, material - glass reinforced plastic (GPR)	NTĮ-01-048:2021, Annex 3	pass

NPD – no performance determined

LIETUVOS RESPUBLIKA VILNIUS SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS UŽDAROJI AKCINĖ BENDROVĖ

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SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS
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ANNEX 2 TO CERTIFICATE No. SPSC-9316

Issued 2023-09-08

Product domestic wastewater treatment plants

Types continuous flow, activated sludge with fixed bed biofilter media: HNV-N-125 and HNV-N-150
(anoxic and aeration chambers consist in the separated horizontal tanks, secondary sedimentation consists in separated vertical tank; excess sludge removal to the separate stabilization tank; blower installed close to the plant)

Essential characteristics and performances

Essential characteristic	Test method	Performance
Treatment efficiency (at organic daily load BOD_5 and daily flow as indicated in the NTĮ-01-048:2016): - biochemical oxygen demand (BOD_5), %; - chemical oxygen demand (COD), %; - suspended solids (SS), %; - total phosphorus (P); - ammonium nitrogen (NH_4-N)	"Methodology of assessment (technological) of packaged wastewater treatment plants", VĮ Statybos produkcijos sertifikavimo centras, 2003, Vilnius	95 84 94 NPD NPD
Outlet values (at inlet corresponding to EN 12566-3 item B.3.2): - BOD_5 (average per year), mg O_2/l; - BOD_5 (grab sample), mg O_2/l; - COD (average per year), mg/l; - SS (average per year), mg/l	"Methodology of assessment (technological) of packaged wastewater treatment plants", VĮ Statybos produkcijos sertifikavimo centras, 2003, Vilnius	20 30 125 30
Nominal daily flow Q_N, m^3/d	"Methodology of assessment (technological) of packaged wastewater treatment plants", VĮ Statybos produkcijos sertifikavimo centras, 2003, Vilnius	digitally indicated in the type marking

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