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-25, HNV-N-26, HNV-N-27, HNV-N-28, HNV-N-29, HNV-N-30, HNV-N-31, HNV-N-32, HNV-N-33, HNV-N-34, HNV-N-35, HNV-N-40, HNV-N-45, HNV-N-50, HNV-N-55, HNV-N-60, HNV-N-65, HNV-N-75, HNV-N-85 and HNV-N-100 (anoxic and aeration chambers consist in one horizontal tank; 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, 2 and 3
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-9315
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 SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS

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

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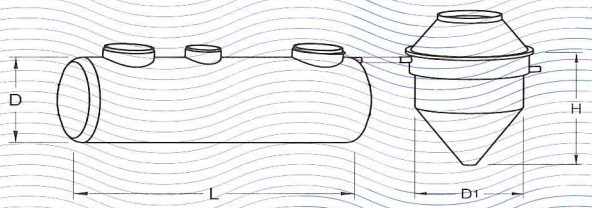
ANNEX 1 TO CERTIFICATE No. SPSC-9315

Issued 2023-09-08

Product domestic wastewater treatment plants

Types continuous flow, activated sludge with fixed bed biofilter media: HNV-N-25, HNV-N-26, HNV-N-27, HNV-N-28, HNV-N-29, HNV-N-30, HNV-N-31, HNV-N-32, HNV-N-33, HNV-N-34, HNV-N-35, HNV-N-40, HNV-N-45, HNV-N-50, HNV-N-55, HNV-N-60, HNV-N-65, HNV-N-75, HNV-N-85 and HNV-N-100 (anoxic and aeration chambers consist in one horizontal tank; 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/H, m	Load, PT (population total (equivalent))
– HNV-N-25	3,0 / 6,0 / 3,0 / 3,3	166
– HNV-N-26	3,0 / 6,6 / 3,0 / 3,35	173
– HNV-N-27	3,0 / 6,8 / 3,0 / 3,4	180
– HNV-N-28	3,0 / 7,0 / 3,0 / 3,45	186
– HNV-N-29	3,0 / 7,2 / 3,0 / 3,5	193
– HNV-N-30	3,0 / 7,4 / 3,0 / 3,6	200
– HNV-N-31	3,0 / 7,7 / 3,1 / 3,65	206
– HNV-N-32	3,0 / 7,9 / 3,1 / 3,7	213
– HNV-N-33	3,0 / 8,2 / 3,1 / 3,8	220
– HNV-N-34	3,0 / 8,4 / 3,1 / 3,85	226
– HNV-N-35	3,0 / 8,6 / 3,1 / 3,9	233
– HNV-N-40	3,0 / 9,9 / 4,0 / 4,2	266
– HNV-N-45	3,0 / 11,0 / 4,0 / 4,4	300
– HNV-N-50	3,0 / 12,1 / 4,0 / 4,6	333
– HNV-N-55	3,0 / 13,2 / 4,0 / 4,8	366
– HNV-N-60	3,0 / 13,7 / 3,0 / 3,5	400
– HNV-N-65	3,0 / 14,8 / 3,0 / 3,7	433
– HNV-N-75	3,6 / 12,0 / 3,6 / 3,8	500
– HNV-N-85	3,6 / 13,5 / 3,6 / 4,0	567
– HNV-N-100	3,6 / 15,8 / 3,6 / 3,7	667

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

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ANNEX 2 TO CERTIFICATE No. SPSC-9315

Issued 2023-09-08

Product domestic wastewater treatment plants

Types continuous flow, activated sludge with fixed bed biofilter media: HNV-N-25, HNV-N-26, HNV-N-27, HNV-N-28, HNV-N-29, HNV-N-30, HNV-N-31, HNV-N-32, HNV-N-33, HNV-N-34, HNV-N-35, HNV-N-40, HNV-N-45, HNV-N-50, HNV-N-55, HNV-N-60, HNV-N-65, HNV-N-75, HNV-N-85 and HNV-N-100 (anoxic and aeration chambers consist in one horizontal tank; 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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SPSC STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS
Saulėtekio al. 3, LT-10257 Vilnius, Lietuvos Respublika

ANNEX 3 TO CERTIFICATE No. SPSC-9315

Issued 2023-09-08

Product domestic wastewater treatment plants

Types continuous flow, activated sludge with fixed bed biofilter media: HNV-N-25, HNV-N-26, HNV-N-27, HNV-N-28, HNV-N-29, HNV-N-30, HNV-N-31, HNV-N-32, HNV-N-33, HNV-N-34, HNV-N-35, HNV-N-40, HNV-N-45, HNV-N-50, HNV-N-55, HNV-N-60, HNV-N-65, HNV-N-75, HNV-N-85 and HNV-N-100 (anoxic and aeration chambers consist in one horizontal tank; 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
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

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