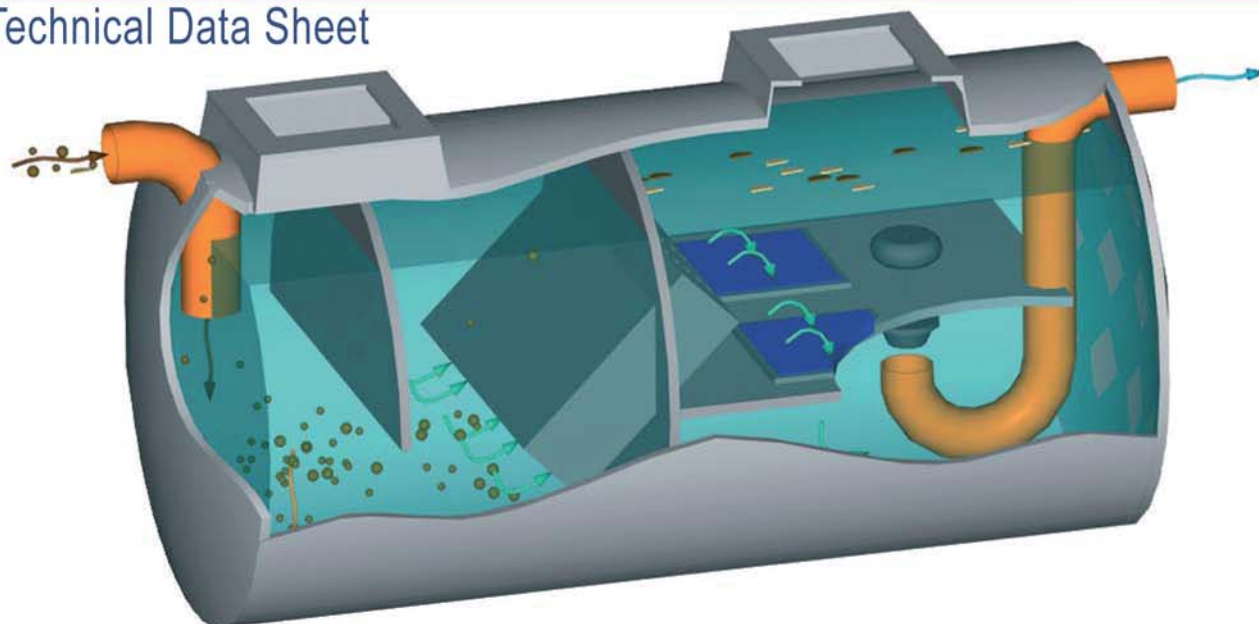


Technical Data Sheet



Description

Sludge, light mineral oil and fuel separator Mod. GN is made of FRP (fiberglass Reinforced Polyester). Thanks to the characteristics of this material, mod. GN is able to withstand the chemicals and corrosive substances in the ground and also possesses particularly high mechanical strength. This means that GN can be installed underground without warping under the thrusting action of the soil or external overloads. It is a static system that separates hydrocarbons from water thanks to their different specific gravity. It is fitted with a laminar pack filter and coalescing filter. A controller with optical-acoustic alarm for detecting the maximum level of accumulated oils can be installed as an optional. It is also equipped with a float shut-off should any fluid spill out. GN models 3 to 50 have two inspection windows, models 65 to 120 have three, while models 150 and 200 have four. The windows measure 600x600. Sizing conforms to standard UNI EN 858 for class I separators. All unions are made of UNI 1401-1 PVC.

Technical Specifications

model	GN	3	5	6	10	15	20	30	40	50	65	80	95	110	120	150	200
flow rate	l/sec	3	5	6	10	15	20	30	40	50	65	80	95	110	120	150	200
internal diameter	D m	1.20	1.60	1.60	1.60	1.60	2.00	2.00	2.00	2.00	2.00	2.40	2.40	2.40	2.40	2.40	2.40
total length	L m	3.00	2.50	2.70	3.00	3.50	3.50	4.00	4.50	5.00	6.00	7.00	6.00	7.00	7.40	10.20	12.50
settler length	L1 m	1.80	1.35	1.40	1.70	2.00	2.10	2.10	2.10	2.60	3.10	3.70	3.00	3.50	3.70	5.30	6.50
oil-separator length	L2 m	1.20	1.15	1.30	1.30	1.50	1.40	1.90	2.40	2.40	2.90	3.30	3.00	3.50	3.70	4.90	6.00
diameter of IN - OUT manifolds	dia mm	125	125	160	200	200	315	315	315	315	400	400	400	400	400	400	400
inlet height	H in m	1.10	1.50	1.45	1.40	1.40	1.70	1.70	1.70	1.70	1.60	1.80	2.00	2.00	2.00	2.00	2.00
outlet height	H out m	1.00	1.40	1.35	1.30	1.30	1.60	1.60	1.60	1.60	1.50	1.50	1.90	1.90	1.90	1.90	1.90
hydrocarbon density	g/l	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
return speed	m/h	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
oil return time	h	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
longitudinal water flow speed	m/h	15.75	15.75	23.63	47.25	70.88	75.60	113.40	157.50	178.50	196.00	245.00	245.00	285.83	45.51	56.88	71.10
total volume	m ³	3.40	5.00	5.40	8.00	7.00	11.00	12.60	14.10	15.70	18.80	22.00	27.10	31.70	33.50	46.10	56.50
sludge separator volume	m ³	2.45	3.65	3.83	4.29	5.02	7.81	9.16	10.10	11.43	13.27	15.53	19.02	22.19	23.46	32.60	39.96
light fluid storage capacity	m ³	0.54	0.78	0.89	1.02	1.19	1.89	2.16	2.43	2.70	3.36	3.92	4.56	5.32	5.62	7.75	9.50
maximum storage height	mm	180	240	240	240	240	300	300	300	300	300	300	353	353	353	353	353
treatable area up to:	m ²	150	200	300	600	900	1200	1800	2500	3000	4000	5000	6000	7000	8000	10000	12500