OIL SEPARATOR

RoSep

TECHNICAL DATA SHEET / 7300072020

Document number : 43.1 / 2021

PRODUCT DESCRIPTION

RoSep oil separators are used everywhere where there is possibility that mineral oils will come into rivers, streams, lakes or nature.

Inside the oil separator, a coalescent filter is installed. Coalescent filter serves to purify meteoric waste water up to 5 mg/l of the mineral oil content at the outlet. Automatic closure device at the outlet prevent the extraction of mineral oils from the oil separator into the environment.

The integrated measuring point on the oil separator allows for easy sampling for the needs of measurements of the concentration of the mineral oil content at the outlet.

Oil separators are made of nature friendly polyethylene (PE), which can be 100% recycled after use.

It is dimensioned and tested according the standards SIST EN 858 – 1 and SIST EN 858 – 2.

TECHNICAL DATA RoSep NS 300 S-I-P

Technical data	Values
Nominal flow	300 L/s
Total volume	50000 L
Settler volume	26350 L
Oil separator volume	16650 L
Maximum oil amount	8300 L
Installation	Underground installation
Dimension L x D x Hmin - Hmax	10864 x 2450 x 2800 - 3365
Diameter of revision openings	2 x Φ 800, Φ 1000, Φ 250
Material	Polyethylene [PE]
Inflow and outflow pipe diameter	DN 400
Oil content at the outlet	< 5 mg/L – I. Class
Standard	SIST EN 858-1, SIST EN 858-2
UV resistant material	Yes
Coalescent filter	Yes
Cover	PE walk - on cover
Water outflow	To surface or ground water

ROSEP OIL SEPARATOR ADVANTAGES

- **High cleaning efficiency**
- Simple maintenance
- **Long life service**
- Easy and fast installation
- **Integrated sample point ϕ 250**
- Adjustable revision openings
- **Easy acessable coalescent filter**
- Calming inlet pipe
- **Automatic closure device**
- Slovenian product

LDPE

CLEANING EFFICIENCY	Cleaning efficiency:	Total hydro carbons:	**2,7 mg / L**

Cleaning efficiency checked (Report no.: 113 – 10 / 4433 – 10 / 1 – IS) by the institute:

Institute for health care Maribor, Prvomajska 1, 2000 Maribor

MECHANICAL RESISTANCE AND STABILITY

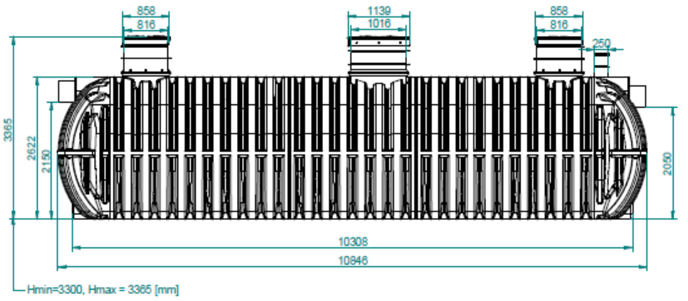
Mechanical resistance and stability checked (Report no.: P 0865 / 12 – 680 - 2) by the institute:

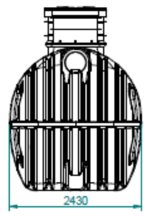
Slovenian national building and civil engineering institute, Dimičeva ulica 12, 1000 Ljubljana

WATERTIGHTNESS

Watertightness checked (Report no.: P 0865 / 12 – 680 – 1) by the institute:

Slovenian national building and civil engineering institute, Dimičeva ulica 12, 1000 Ljubljana





Lovilec olj RoSEP NS 300 [L/s]

TEHNIČNI PODATKI:

Dimenzije rezervoarja : 10864 x 2430 x 3300 - 3365 [mm]

Premer vtoka in iztoka : DN400 / DN400

Višina vtoka in iztoka : 2150 / 2050 [mm]

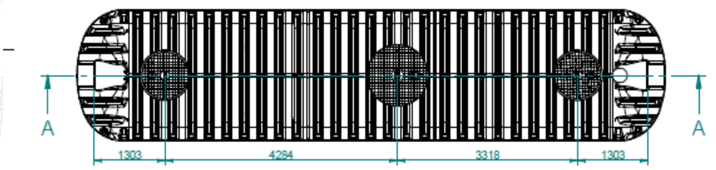
Effektivni volumen lovilca olj : 43.000 [L]

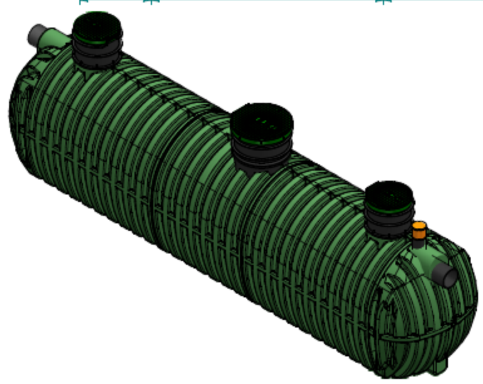
Volumen usedalnika : 26.350 [L]

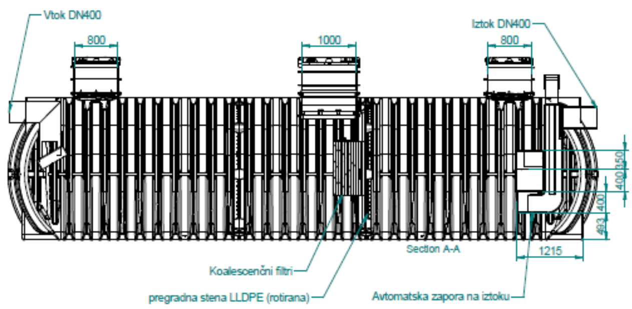
Volumen lovilca olj : 16.650 [L]

Maksimalna količina olja : 8300 [L]

Standard : SIST EN 858-1, 858-2, DIN1999-1







Rosep	Splošne tolerance SIST ISO 8015	Površinska hrapavost	Merilo 1:66,7	Masa	Standard
			Material, dimenzije, surovec PE, PVC, PP		
	Datum	Ime	Naziv NS 300 SIP RoSep - E		
Izdel.	08.06.2021	Lipič A.			
Kontr.					
K. std.					
			Opombe Volume : 50.000 [L]	Code :	
			Številka risbe		List
Ozn. Sprememba Datum Ime	Osnovna risba		Nadom.	Nadome. z.	

LDPE

P 0865/12-680-2 EN 12566-3

P 0865/12-680-1 EN 12566-3

113-10/4433-10 EN 858

CE

ADDITIONAL INFORMATIONS

INSTALLATION

The installation of the RoSep is easy and fast, and without need for heavy machinery. To install the oil separator, excavate the pit, install the oil separator and fill with the water at the same time. Connect it with the inflow and the outflow pipes (DN 400 connections).

Oil separators can be installed by Roto experts. Installation must be made according to the general instructions accessed on the QR code.

Instructions for installation

OPERATION

Water contaminated with oil, fats and other sludges flows into the first chamber, whereby the inlet tube takes care of the calming the water. The sedimentary chamber has the function of a sludge trap, sand, fine sludge and other rough dirt. The larger oil droplets rises to the level in the sedimentary chamber, while the remaining water contaminated with small droplets of oil flows through the coalescent filter. In the second chamber the remaining oil is rised to the surface. The purified water of light liquids from the second chamber drains through the outflow pipe to the drainage system, thus protecting the nature against potential pollution.

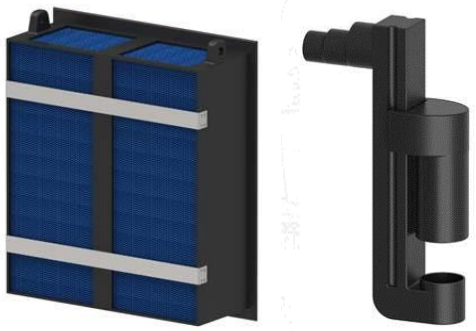
MAINTENANCE

The control of the oil separator should be carried out in accordance with the procedure and must be written in operating diary. Control must be made after every major rainfall and a longer dry season. Checking the oil trap includes checking the amount of sewage sludge and floating oil on the surface.

Maintenance of the oil trap involves removing sludge, floating oil and cleaning the components of the device. The maintenance period shall be determined on the basis of the actual load at the initial stage of operation. Cleaning of the device should be carried out by the authorized person who ensures that the wastes is handled in accordance with the legal regulations.

COALESCENT FILTER AND AUTOMATIC CLOSURE DEVICE

The coalescent filter is installed in the PE housing in the chamber wall. Greater droplets of oil float on the surface due to the lower density of water. Small droplets that did not raise in the first chamber, flows through the coalescent filter and join into larger droplets, thereby increasing their volume and buoyancy, which contributes to the remaining part of the oil rising to the surface.
The filter is attached to the removable housing, which is easly pulled over the guides of the chamber wall from the oil separator. Coalescent filter can be cleaned with a high pressure cleaner.



The automatic closure device is installed in the second chamber. The automatic closing mechanism closes automatically in the event of an exceeded maximum oil level in the separator.

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SLOVENIA

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Zadnje novice preverite na www.rotoECO.eu