OIL SEPARATOR

Rosep

TECHNICAL DATA SHEET / 7300068810

Document version : 58.1 / 2019

TECHNICAL DATA RoSep NS 30/6 S-I-P

BY PASS 20 %

Technical data	Values
Nominal flow	30 L/s
Oil separator flow	6 L/s
By - pass flow	24 L/s
Total volume	3000 L
Settler volume	1110 L
Oil separator volume	1250 L
Maximum oil amount	670 L
Installation	Underground installation
Dimensions L x D x H [mm]	2400 x 1400 x 1600 - 2100
Diameter of revision openings	Φ 600
Inflow and outflow pipe diameter	DN 200
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 water or groundwater.

PRODUCT DESCRIPTION

Oil separators are used everywhere where is the possibility that minerals 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 inside the oil separator allows easy sampling and measuring of the concentration of the mineral oil content at the outlet.

Oil separator is made of one piece of nature friendly polyethylene (PE), which can be 100% recycled after use.

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

ROSEP OIL SEPARATOR ADVANTAGES

- **High cleaning efficiency**
- Simple maintenance
- **Long life service**
- Easy and fast installation
- **Integrated sample point**
- Telescopic adjustable extension
- **Coalescent filter**
- Calming inlet pipe
- **Automatic closure device**
- Integrated internal By-pass 20 %
- **Slovenian product**

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

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

Institute of Public health Maribor, Institute for Environmental protection, Prvomajska 1, 2000 Maribor

MECHANICAL RESISTANCE AND STABILITY

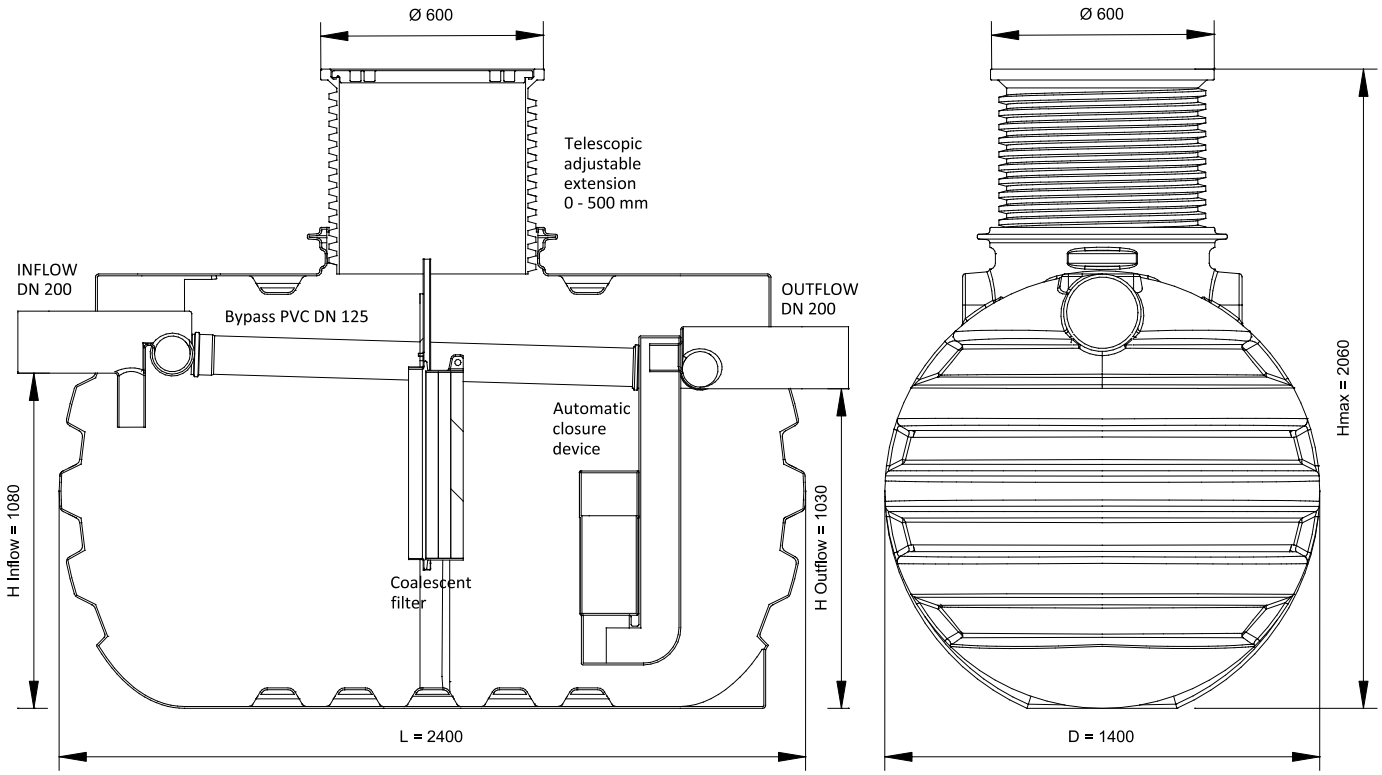
Mechanical resistance and stability checked (Report no.: P 0865 / 12 – 680 - 2) by the institute:

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



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 200 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 surface 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 effluent to the drainage system, thus protecting the nature against potential pollution.

Oil separators with the installed By-Pass is constructed for high flow rates. In the case of the major rain 80 % of the water flows through the bypass and the other 20 % goes through the oil separator.

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 longer dry season. Maintenance of the oil trap includes checking the amount of sewage sludge and floating oil on the surface.

Maintenance of the oil separator 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 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 floats 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 washed with a high pressure cleaner.
The automatic closure device is installed in the second chamber on the ouflow of te oil separator. The automatic closing mechanism closes automatically in the event of an exceeded maximum oil level in the separator.

Roto Eco d.o.o.

Puconci 12, 9201 Puconci,

SLOVENIA

Customer support: (+386) 2 5252 152 **Technical support:** (+386) 2 5252 196 **Web page:** www.rotoECO.eu