

PURIFICATION SYSTEM MODEL ECOIL

Lamellar oil-separator system



APPLICATION

Surface treatment
Oily emulsion
Die casting

Performance is influenced by the following factors: (see the graphic below):

- Density of water solution and oil;
- Oil particles diameter;
- Temperature of the water solution;
- Specific load

INTRODUCTION

The lamellar oil-separator ECOIL works following the Stokes law and the lamellar separation principles. The oil - separation performance

The turbid water containing oil suspensions, are fed through the pipe (T-A) within the chamber (A).

The turbulence of the input liquid is muffled within the entrance chamber and distributed over the entire width of the tank, by the passage through the distribution wall (B).

Then the waters pass through the lamellar separator (C), where, due to the laminar motion and coalescence, the oil is concentrated and goes back to the surface thickening.

The clarified water goes back to the surface echoed by the orifice (E). From there the water goes in the collection chamber to be discharged through the pipe (T-R).

The adjustable oil overflow (D) allows to download the accumulated oil through the pipe (T-S).

MODEL	ECOIL 500	ECOIL 1000	ECOIL 2000
Electrical alimentation	230V ac - 50Hz	230V ac - 50Hz	230V ac - 50Hz
Flow [l/h]	500	1.000	2.000
Electrical power [kW]	0,25	0,25	0,25

(*) View technical document

