



Eiberger Verfahrenstechnik GmbH

EVT-DESTOMOBIL - a saving miracle through vacuum distillation

No matter which type of solvent is used for degreasing, they all have one thing in common: They are not cheap and they are getting more and more expensive!

Cost-conscious users therefore aim to recover and reuse as much of the medium as possible. For this purpose, distillation systems are being used, which benefit from the different boiling points of oil and solvent to recover pure distillate by means of atmospheric or vacuum distillation. Atmospheric distillation units can concentrate the oil-solvent mixture down to a 50:50 ratio. This means that each litre of oil that has gone into the plant will then go into the waste barrel. And finally - every filled-up waste barrel of 200 litres contains no less than 100 litres of solvent from your company!

There is another way: **Less than 2 litres of solvent in a full 200 litres waste barrel thanks to the vacuum distillation with our DESTOMOBIL!**



Vacuum distillation unit DESTOMOBIL

With this new in-house development according to our company philosophy:

„Made to measure and need!“

we are able to treat both, the solvent and your budget with care.

Being designed as a thin-film evaporator the DESTOMOBIL concentrates the oil-solvent mixture under vacuum down to a concentration of less than 1% residual solvent content. The question of how far the solvent content can be reduced is solely depending on the residual mass, which has to be capable to flow when it's pumped automatically into the waste container.

By falling below the 1% level we don't talk about "waste material" anymore with regards to "waste solvent" and the relevant regulations for its professional disposal. Now it is a matter of **waste oil** for disposal and recovery by a professional oil trader.

This high-end vacuum distillation technology can be integrated in EVT degreasing plants or built as a mobile unit to be adapted to any cleaning and / or degreasing plant, which is operated with chlorinated or non-chlorinated hydrocarbons and modified alcohols (see "Technical data"). The connection for barrel-to-barrel operation is also possible.

The indirect heating of our vacuum distillation unit is absolutely maintenance-free, the entire system is air-cooled and designed for 3-shift operation. As for all our plants, we guarantee a high availability of the distillation units by means of the EVT online service via iPhone or iPad. We support you worldwide to solve all supposed or actual problems fast and efficiently.

We look forward to deal with the particular specification of your case of needs and like to send you a calculation of profitability based on your individual parameters.

With best regards from Sternenfels

Michel Lubinsky

Sales Manager

General technical data of a plant type DESTOMOBIL:

Usable solvents	Perchloroethylene (PER) Trichloroethylene (TRI) Hydrocarbons (A III) Modified alcohols (A III)
Capacity	3 dm ³
Distilling capacity	30 - 100 l/h (referring to clean solvent)
Heating energy	5 - 10 kW
Electrical connected load	8 - 12 kW
Net weight of the unit	500 kg
Operating mode	1-3 shifts
Dimensions	1200 x 900 x 1400 mm

We promise the quality of EVT-plants under hand and seal, ...

... but you probably like

36 months warranty and Online-

Support via iPhone or iPad much better, don't you?

