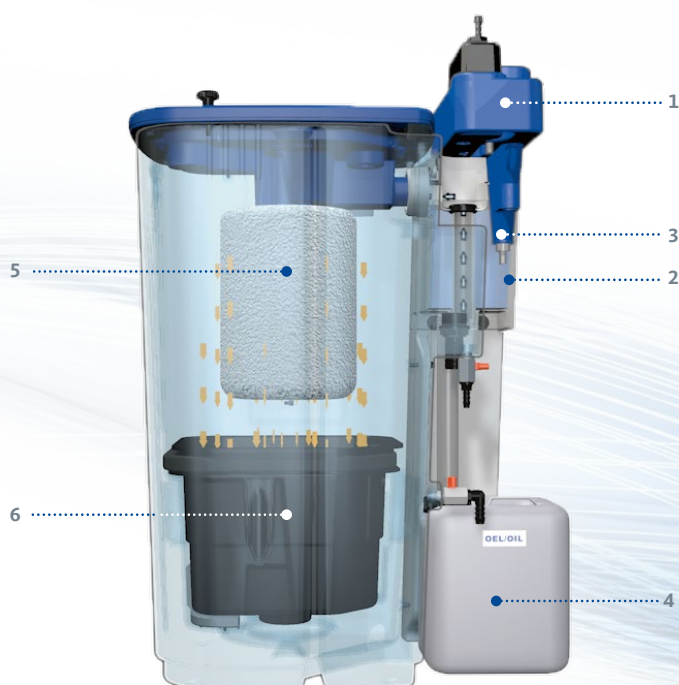


The clean solution that fits your budget and protects the environment: Condensate processing with ÖWAMAT® and BEKOSPLIT®

Legislators demand that discharged condensate is processed safely and properly. We make it easy for operators to meet the legal requirements – with our extensive range of condensate processing solutions that reflect our commitment to sustainability. With our ÖWAMAT® oil-water separation systems and the BEKOSPLIT® reaction splitting plants, we offer cost-effective and environmentally friendly solutions for the disposal of dispersed and emulsified condensates. These systems are designed to be environmentally friendly. They are cost-efficient on-site units for the processing of condensate in compliance with all applicable statutory regulations..



- 1 Pressure relief chamber
- 2 Separation container
- 3 Collector
- 4 Oil receiver
- 5 Prefilter
- 6 OEKOSORB® main filter with cartridge

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video clip



BEKOSPLIT® 12



ÖWAMAT® 16





Scan this code to receive the latest information about the ÖWAMAT®

Approved for all compressors: ÖWAMAT®

The ÖWAMAT® is a tried and tested oil-water separation system for dispersed condensates. It has been type-approved and therefore does not require a separate operating licence under water protection legislation. The models of the ÖWAMAT® series come

in various sizes. The ÖWAMAT® 12 to 16 models are available with or without preseparator. ÖWAMAT® models of sizes 11 to 16 can be retrofitted with a heating system.



ÖWAMAT® 10 | 11 | 12 | 14 | 15 | 16

Quality based on experience

- › In practical use for more than 30 years
- › Type-approved by DIBt
- › Designed for 24/7 operation

Reliable performance

- › 3-stage separation
- › Particularly suitable for systems with fluctuating condensate volume
- › No risk of incorrect operation

Fast, clean and easy to use

- › Intuitive operation
- › Visual overflow indicator (also available with electronic indicator)
- › Visual reference turbidity check

Environmentally friendly

- › Quality product made from carefully selected materials
- › CO₂ emissions produced in the manufacture of the ÖWAMAT® filter material are only 60% of those for conventional activated carbon
- › Fixed costs for cartridges, spare parts and disposal



German type approval

As the ÖWAMAT® meets all relevant German statutory requirements, its discharge can be disposed of directly through the foul drain. That is why the Deutsches Institut für Bautechnik (DIBt) has issued a type approval for all models with or without free oil separation used for the removal of synthetic or mineral oils, or for the processing of condensate produced in screw or piston compressors.



For the processing of emulsified condensates, we recommend the BEKOSPLIT®.

Oil-water separation made easy with the ÖWAMAT®

The ÖWAMAT® separates oil from water – efficiently and with minimum maintenance. The ÖWAMAT® filters have a much longer service life than conventional activated carbon filters. They can be changed quickly and the cartridge can be disposed of safely.

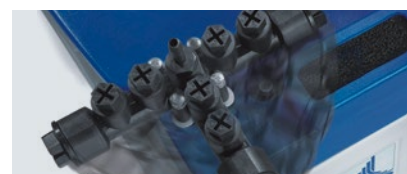
OEKOSORB® cartridge for quick and clean replacement



Prefilter with increased capacity thanks to optimised filter material



Adjustable connection (3 directions)





Scan this code to receive the latest information about the BEKOSPLIT®

Future-proof emulsion processing: BEKOSPLIT®

One litre of oil can contaminate up to one million litres of groundwater. As many industrial processes produce water contaminated with oil, the risk to drinking water and the environment in general is huge. That is why legislators prohibit the dis-

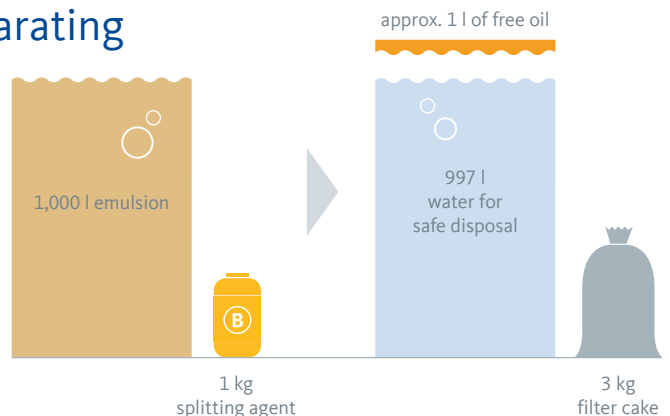
posal of emulsified condensates and oil-contaminated industrial wastewater through the sewerage system. For the safe processing of emulsified condensates, gravitational separation is often not sufficient.

BEKOSPLIT® 12 | 14



Our solution: splitting rather than separating

The BEKOSPLIT® reaction splitting plant is a reliable on-site processing solution for treating emulsified condensate. Emulsification often occurs as a result of unfavourable conditions or in connection with certain lubricant-compressor combinations. The BEKOSPLIT® process uses a special splitting agent that encapsulates organic compounds that are not soluble in water, such as oil and solids, which are then retained in the plant. The discharge water can be safely disposed of through the foul drain.



Global market leader

- › Most popular emulsion splitting plant worldwide for compressed air condensates
- › Suitable for all compressor condensate
- › Process certified in advance

No job too big

- › Easy and safe to operate
- › Effective splitting of stable emulsions
- › Successful processing of even the most challenging condensates

Efficient operation

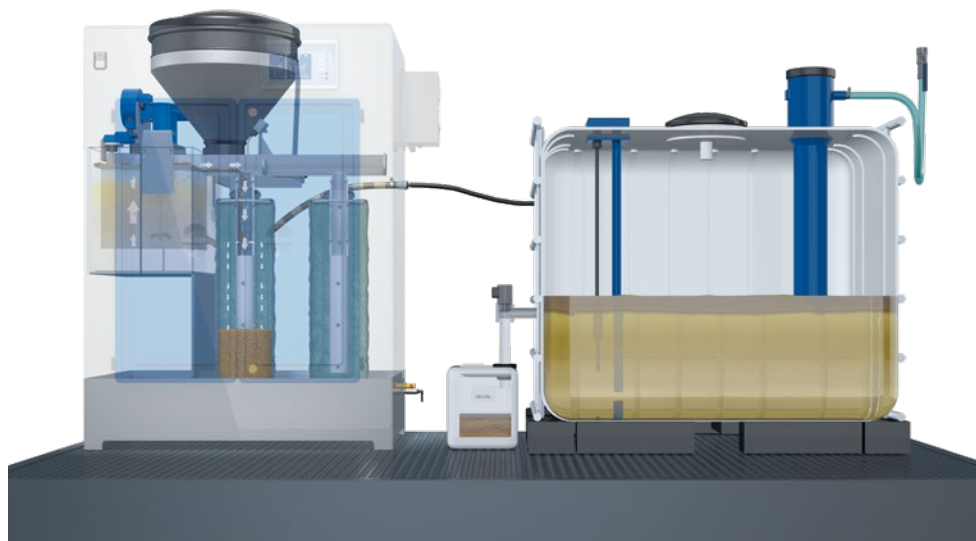
- › Fully automated – signal contact for error messages and maintenance prompts
- › Low-cost investment, operation and maintenance
- › Highly effective splitting agents do away with continuous pH correction

Protects the environment

- › Safe process
- › No need for aggressive detergents
- › Huge reduction in waste volume to below 0.5%

Highly effective emulsion splitting: How the BEKOSPLIT® works

The condensate is fed through a pressure relief chamber into the preseparator where the floating oil is automatically drained off. In this process, the fractions in the pressure relief chamber are continuously monitored by a capacitive level sensor, which has the ability to distinguish between air, oil and emulsion. This ensures that no emulsion is discharged into the oil receiver, and no free oil enters the splitting process. The pre-cleaned condensate is automatically processed with a splitting agent in the reaction chamber. The splitting agent encapsulates the oil and dirt particles, and the resulting macro-floccules are subsequently removed from the liquid. The discharge water can be safely disposed of through the foul drain.



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