



SOLID-LIQUID SEPARATION
WATER CLARIFICATION
SLUDGE DEWATERING
SLUDGE COMPACTION



Dewatering containers

Simple and economic solutions
on a high technological level

KUGLER®

Concepts for solid-liquid separation

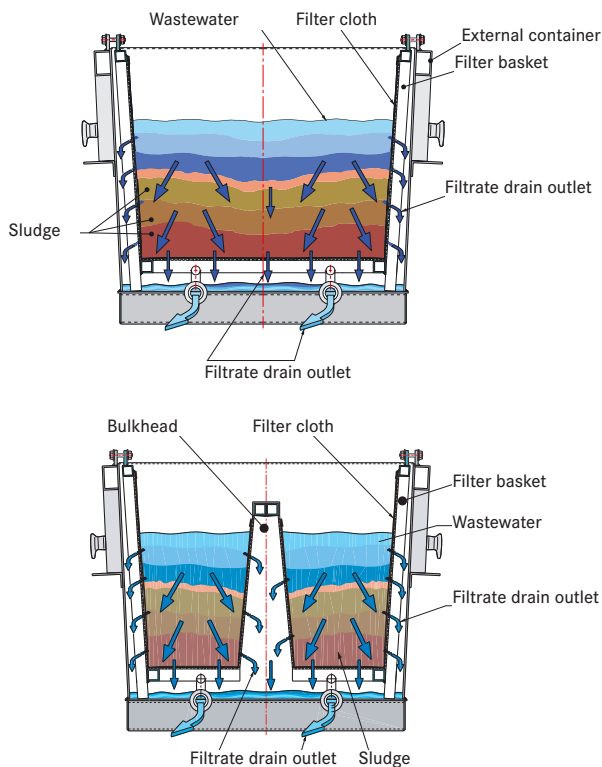
DEWATERING · SEPARATION · FILTRATION · CLARIFICATION



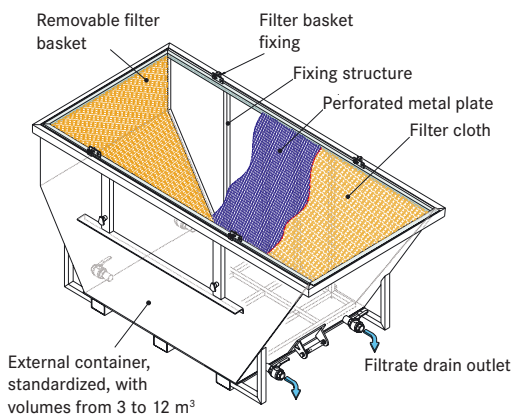
Our product range

Experience in container construction and turn-key projects for more than 30 years has brought us to develop tailor made solutions at fair prices. Our products related to solid-liquid separation and sludge dewatering range from basic standard containers to complex turn-key installations. We help you to save time and costs!

We care for your company and the environment, with clear concepts and clear ideas!



Sludge that is difficult to dewater or tends to compaction can be better dewatered due to an additional filtering bulkhead within the filtering basket.



Sludge dewatering with Kugler-EWC dewatering systems

Functioning principles

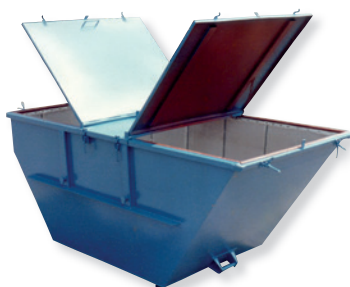
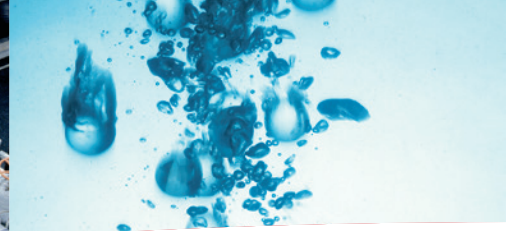
Kugler invented the EWC dewatering container. The company's experience obtained in far more than a thousand applications guarantees solutions at maximum use and minimum cost level.

Our dewatering containers, named EWC according to the german acronym, are standardized containers used for dewatering of all kinds of sludge. Dewatered sludge is solid and complies with sewage plant requirements. One single device fulfills all four functions: sludge collection, storage, dewatering and transportation!

The removable filter basket is the heart of the EWC. It is made of a tubular steel frame, perforated metal plates and a special, highly resistant filter cloth. Valves at the bottom allow continuous draining of filtered water. Remaining solid sludge in the container can be disposed of economically. Thanks to the obtained volume reduction up to 70% of costs can be saved.

Advantages of Kugler EWC:

- low investment
- long life cycle
- sludge dewatering without any problems
- leads quickly to solid sludge
- low disposal costs
- easy cleaning thanks to the removable filter basket
- huge filtering surface: bottom, side walls, back wall
- wide product range, solutions to nearly all problems with sludges



Kugler Dewatering Containers

different versions and sizes according to your needs

- skip containers for transport with skip container vehicles
- range of sizes: 3 to 12 m³
- filter elements (mesh size and quality) can be adapted to water quality and water characteristics (grain size)
- used material: varnished steel / galvanized / high-grade steel
- available with or without lid
- optional: additional central bulkhead for even better dewatering results



Vibrating Unit Dewatering Container

Provided with a vibrating unit for better sludge dewatering. Sludge is brought to swinging by the high frequency vibration unit and is dewatered and compacted. Even difficult sludge qualities are treated with optimum results. The high frequency vibration device is ready to connect, with ON/OFF switch and outlet.



Heated Dewatering Container

To ensure all-seasons outside operation, our containers can be equipped with a temperature-controlled electrical heating element. Frost protection down to -25°C.



Roll-Off Dewatering Container

- for different types of roll-off dumpsters (hooks, rails etc.)
- range of sizes: 5 to 25 m³
- additional bulkhead in the center for even better dewatering results
- available with or without lid



Self Dumping Hopper Dewatering Container

- for in-house transport and evacuation by a forklift
- unlocking of the dumping mechanism from the forklift
- can be delivered with reels
- range of sizes: 0,3 to 3 m³
- available with or without lid



Aircon / Sandy Dewatering Container

Perfect solution as grit chamber and for sewage material

By injecting compressed air from the bottom, organic components are separated and returned to the wastewater flow in your treatment plant. Light elements such as fat, oil or plastic are washed off as well. Scattered, odorless and dewatered solids remain in the container. The ventilation from below creates dewatering channels in the sludge, reducing volume even at greater scale. This ensures minimal landfill and transportation costs.

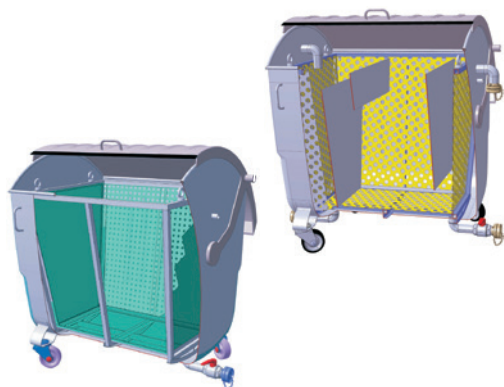


Lamella Dewatering Container, the compact sewage plant

Clear water and sludge-concentrating in the same device

The patented Lamella-Dewatering Container combines the dewatering container with lamella strainers. The coarse filter separates bigger-sized solid elements from the water. The lamella plates separate the finer material.

- replaces up to five separate modules or devices
- reduced space demand
- Suitable for up to 15 m³/h of wastewater



Regufil and Regufett

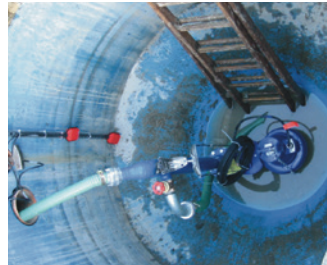
Our smallest filter-containers are the best solution for smaller quantities of sewage water containing sand and fat. These 1100 litre containers according to standard DIN 20700 are suitable for evacuation of the dewatered sand with garbage collection trucks or the separated fat with sewage suction vehicles.



Further products from the Kugler product range



Container carriages



Sewage water pumps



Booster pumps



Wash-out screws



Flocculation station



pH-neutralizer



Chamber filter press



Clarification and thickening tanks



Lamella separators



Filter backwashing for water works

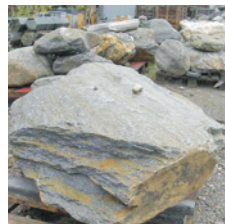
For further information please contact us, we will be pleased to provide you with our project brochure.



Successful in various sectors

Our products have proven their high performance in various sectors and even under extreme conditions of operation. The following examples are a small extract of where Kugler solutions have been implemented. Contact us for standard solutions or specific applications customized for your business sector and we provide you with all the necessary information.

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- stone (natural/precious) works
- transport companies
- concrete industry
- silo trucks
- car wash
- fruit and vegetable processing
- beverage industry
- textile industry
- water / wastewater treatment
- waste disposal
- street cleaning
- metal industry
- chemical industry
- steel industry
- many more

Service

Kugler plans, constructs, provides technical support and training for operation and maintenance of all kinds of equipment for solid/liquid separation and sludge dewatering. Our standard containers can be easily adapted to local standards in order to be handled by all kind of vehicles used in your region. Furthermore, we can provide you with individual solutions for all kind of problematic elements and particles. Our experience in this field guarantees optimal solutions for complex problems. Service and spare parts availability for all our products are guaranteed throughout the years. Clear concepts, clear ideas!

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