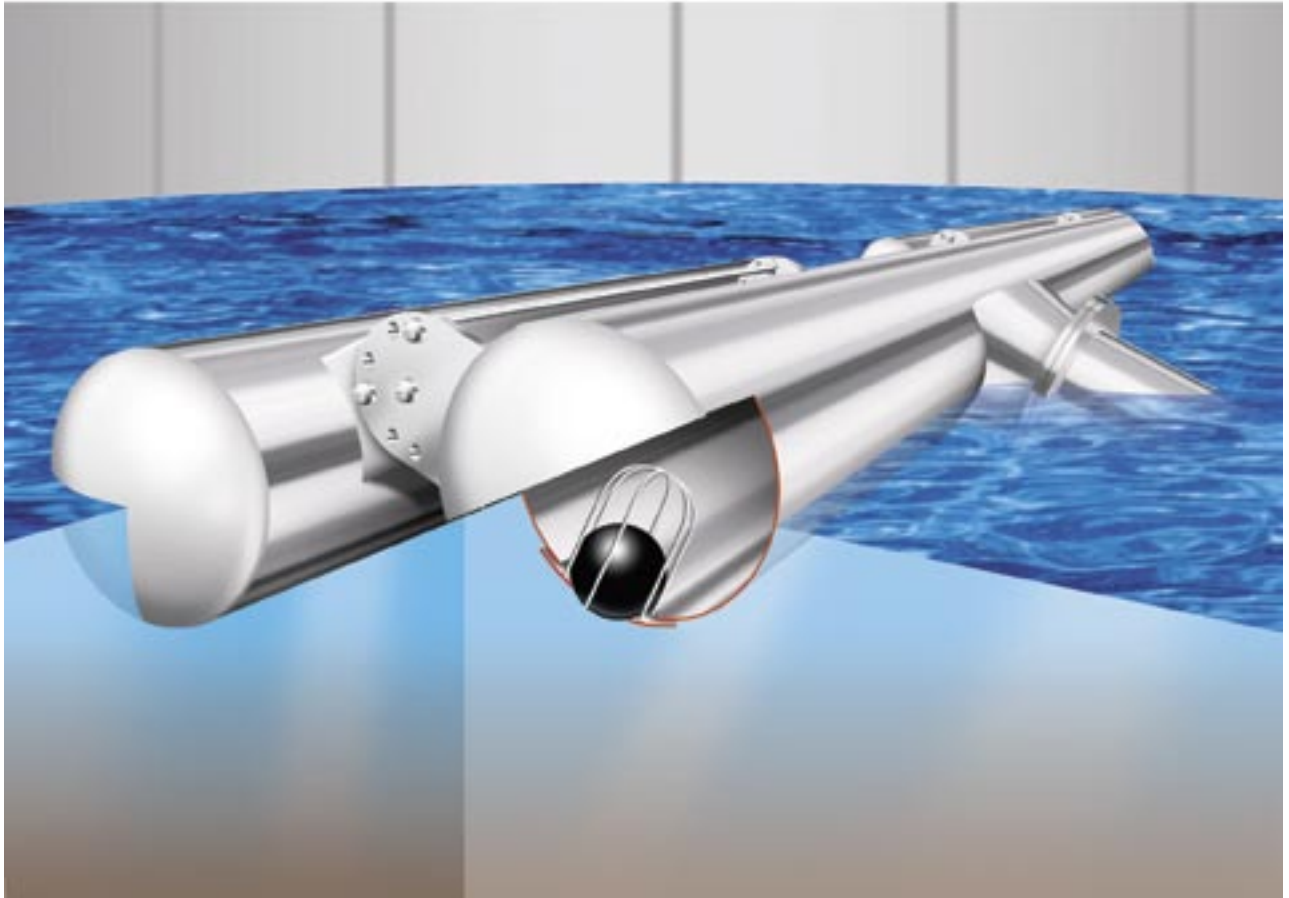


DECANTER



The decanter Läckeby Products developed specifically for SBR plants combines a reliable solution with a number of process-related benefits. This decanter fulfils the requirements for maintenance-free decanting set by today's SBR plants.

Function

Decanters from Läckeby Products are based entirely on gravity and differential pressure. The decanting pipe, which floats on the water surface with the help of floating pontoons, has evenly distributed decanting holes to create an even flow. Due to the floating design with decanting holes located just beneath the surface, maximally clean water is always decanted.

The decanting holes are fitted with the company's patented closing function, which efficiently prevents sludge from entering the decanting pipe during aeration and agitation. Decanted water is directed away through a flexible outlet pipe in the tank's wall. The closing function is controlled by pressure changes in the decanter via a valve on the outside of the SBR tank.

Technical features

- Flexible connection in the tank and fully floating design
- Evenly spread decanting holes are located along the decanter under the water surface
- Patented automatic closing function based on gravitation and differential pressure
- Contains no conventional valves or pumps

Process benefits

- Moves freely in vertical plane with maximum distance from settled sludge in the decanting process
- Decanting is carried out at a satisfactory distance from the surface sludge
- Creates low water flow velocity with no risk of eddies and sludge migration
- Prevents unwanted sludge entering the outflow pipe
- Minimises need for maintenance and electrical installations

Design

As standard, decanters are manufactured in stainless steel or acid-proof steel. The outlet pipe is equipped with a flexible joint at the lower end. This solution also includes support for the decanter when draining the SBR tank. The decanter from Läckeby Products requires minimal maintenance, as it has no pumps, valves or electric operations.



A decanter from Läckeby Products installed at Buenaventura, Chiapas in Mexico.

References

Läckeby Products has installations at industrial and municipal plants both in Sweden and abroad. Decanters from Läckeby Products are installed at sites such as Tan Bihn WWTP in Ho Chi Minh City (Vietnam), SAAB Automobile in Trollhättan (Sweden), Sobacken wastewater treatment plant in Borås (Sweden), and Seal Sand Chemicals (UK).

Läckeby Products develops, designs and manufactures decanters. Coordinated expertise and production ensures high quality service and delivery. Läckeby Products can also participate in the planning stage and take on responsibility for everything from dimensioning to installation. Through our involvement at the planning stage, we can offer a total process guarantee.

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