

Underwater cleaning solutions



The bottom line

Good waterquality relies on regular cleaning. Regardless of whether we are dealing with basins in waterworks, waste-watertreatmentplants or commercial swimmingpools, the bottoms and occasionally the sides must be cleaned regularly.

The ability to clean without emptying the water and without human entry is a challenge we at Weda are accustomed to and have successfully resolved for several years.

In collaboration with customers, Weda constantly develops products and services to fulfill their requirements for pump-capacity, speed, handling and cleaning needs.

If you have any specific requirements besides the standard products, Weda can provide with customized solutions.

Practice since 1919



1919 W. Dan Bergman started an aluminum foundry in the town of Södertälje, Sweden that primarily manufactured household items.

1943 Weda is owned by Bofors AB and one major customer is Flygt AB, the inventor of the submersible pump. Weda later developed its own pump and grew to a company employing more than 700, Södertäljes largest employer at the time.

1975 Weda launches its first manual pool cleaner and 6 years later its first fully automatic cleaner for larger public pools - the B600. Weda becomes a major supplier of pool cleaners with subsidiaries and representatives worldwide.

1990 In cooperation with Stockholm Water, Weda starts the development of larger cleaners for industrial applications, initially for sedimentation basins, drinking-water reservoirs and slow filters. The expanding product range finds applications in major industries besides the water processing side. A new network of distributors worldwide is established.

2000 Weda continues the development of products for pools and industrial applications. Major installations and cleaning assignments are made with clients like Veolia Water, Severn Trent Water, US military bases, Emaar Construction, the Burj Khalifa Lake in Dubai, Athens Olympic committee and many more.

2010 New installations are continuously made in various industrial basins. A special cleaner is developed in cooperation with Westinghouse Service for cleaning in nuclear power stations.

2018 Weda's product portfolio now offers solutions for sediment removal in basically all types of tanks and reservoirs. Lack of water around the world, increased demands on water producers and industries, along with improved public awareness of the importance of clean water has assisted in the continued growth of Weda products. Weda has today a worldwide reputation of being the company to turn to for water reservoir maintenance.

Improved environment



Weda is a Swedish Cleantech company offering solutions and products for cleaning under water.

Weda's products enable the clients to save energy and minimize the use of chemicals. Tanks and reservoirs can be cleaned without having to be drained and in most cases not even be taken out of service.

Weda has since the start in 1919 built up a worldwide reputation for the highest quality and after sales service.

Weda's business idea is to offer all clients solutions and products for cleaning of all sorts of underwater surfaces. At the same time Weda aims to save energy and minimize the use of chemicals for the clients. There are limited resources of water in the world and the water must be treated with care.

Weda has become a creator of solutions for several clients around the world who has designed and built pools, watertanks and reservoirs that, when taken into service, have proved hard to maintain and clean.

In cooperation with clients like Veolia, Westinghouse and Stockholm Water, Weda has developed cleaners for specific applications such as waterreservoirs, coolingtowers and nuclear powerplants.

Public pools are still a major market for Weda. With a complete range of cleaners for public pools Weda has positioned itself as a producer of the highest quality cleaners in the world, and with a service network to back it up.

All types of sedimentation in water are not dangerous. If not removed however; sediment may become a breeding ground for bacteria (E-coli, cryptosporidium, etc.) in the water.

Organic particles left on the bottom of pools, in combination with high levels of chlorine, may also be the cause of contamination such as cancerous chloramines.

To remove the sediment and thereby making a better environment, is in short the purpose with all we do at Weda. We minimize the waste of water and we assist in minimizing the use of chemicals in all sorts of waterbodies.



We know that users around the world are getting constantly more aware and concerned about their water. Weda is determined to continue production of very high performance cleaners. Weda's goal is to achieve the optimal cleaning results at the highest level of automation.

POOLS



W50

Weda W50 is a compact cleaner with a high cleaning capacity; with rotation brushes and a pump that delivers 600 litres per minute. It can be equipped with a discharge hose outlet for removal of all sedimentation independent of size. The W500 comes in two versions; the W50 Standard for rectangular pools and the W50 Random; a completely automatic cleaner which calculates its turns during operation.



B600

The Weda B600 has been the flagship in the Weda range of cleaners since 1981. It has over the years been upgraded with new electronics and materials to meet the demands in the changing poolmarket with various sizes and shapes of pools. The machine has been in the selected cleaner in several Olympic games.



W2000

The W2000 is a high precision cleaner for cleaning operations in pools and aquatic parks with large numbers of swimmers. The machine is equipped with lasersensors for indication of walls and other obstacles. It can be programmed for three individual pools.

Weda offers several different surfacecleaning solutions customized to slow filters, sedimentation basins, water-towers and reservoirs. The products are developed in close collaboration with the customers.



Industry



VR-50

The VR-50 is specifically designed for smaller reservoirs and reservoirs where access is limited due to smaller man-holes, limited space between pillars inside the reservoir etc. The vehicle is remotecontrolled and equipped with a fixed mounted camera and lights.



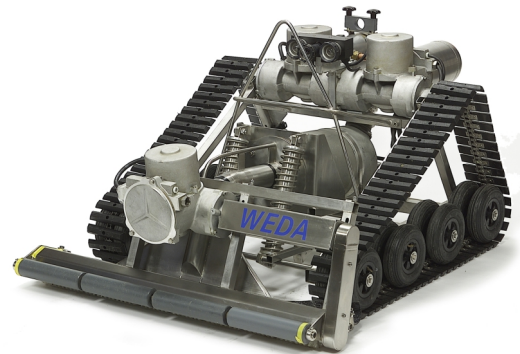
VR-600

The VR-600 is designed for cleaning in waterreservoirs without draining the water, and without human entry. The cleaning can be performed without having to take the reservoirs off duty.



YT-600

The YT-600 has a flexible design allowing for cleaning in several different applications, from mines and desalination works to coolingtowers in the processing – and other industries. The machine has the capacity to handle larger particles and can be delivered with alternative pumps and nozzle designs. YT-600 is easily handled by one operator.



YT-800 / 3000 / 5000

The YT-800 is a remotecontrolled submersible robot for cleaning large underwater surfaces, such as the bottom of a sand filter. Other applications include infiltration and surfacecleaning of large outdoor basins and dams. The flexible design allows for different pumps and nozzles up to 5000 mm.

Solutions



Areas subjected to heavy and frequent usage often suffer from large amounts of sedimentation. Zoological gardens, adventure type pools, aqualands and fountains are examples of public areas with high quality demands.

Problems for client:

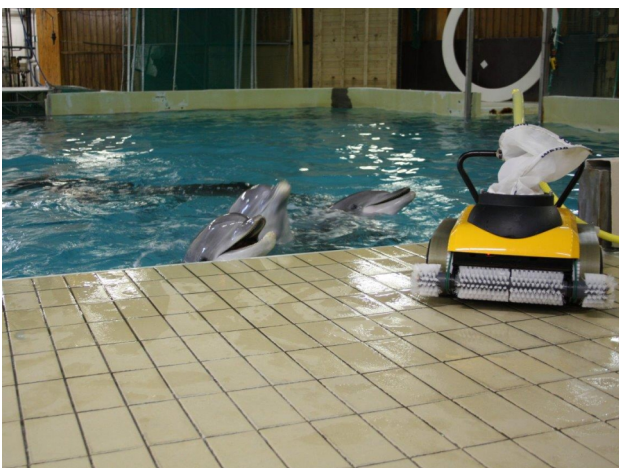
Various waterbodies have a large amount of sedimentation from the surroundings which leads to an unhealthy environment and a poor impression. Certain areas are also less suitable for human entry.

Weda solution:

Any of the pool cleaners could work but the best solution is probably the Weda YT-600.

Benefits of using Weda:

No human entry is needed in sensitive areas. Cleaner basins restore a healthy habitat and make a nicer impression with less smell and turbidity. No draining and less chlorine saves water and decreases the impact on humans, animals and environments. A frequent maintenance also prolongs the usage of for example nozzles and valves.



Kolmården W50



Stadtbad Neukölln-große Halle

Solutions



Cooling towers and nuclear power plants are only two examples of industries with special underwater cleaning requirements. Weda provides several solutions to meet environmental and safety regulations as well as cost savings.

Problems for client:

Risk of human exposure in hazardous and risky environments. Manual cleaning results in interruption in production and service.

Weda solution:

Most commonly used is the Weda YT-600. Smaller particles are handled by the Weda VR-600.

Benefits of using Weda:

No personnel inside the reservoirs or reactor tanks. No production stop to drain or ventilate for maintenance. Therefore frequent cleaning is possible. Less need of chemicals in cooling towers improve cooling effects. For reactor-tanks, a special cleaner has been developed in cooperation with Westinghouse; the U-DEC.



Egypt VR-600



China YT-600



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