

WEDA YT-800

Cost saving underwater cleaning - without disturbing water production

The Weda YT-800 is a remote controlled submersible vehicle developed for cleaning of large surfaces under water. The YT-800 will clean your submerged surface, be it a sand filter (slow filter), an infiltration basin or the bottom of a large water reservoir - without having to empty it. Your sand filter can remain in production while the YT-800 is cleaning the sand surface from algae. This will lower your costs of cleaning and avoid loss of production or distribution capacity.

Easy and safe operation

The YT-800 is remote controlled using a handheld radio control and can easily be operated by only one person. It can be equipped with underwater cameras to enable the operator to run the machine from a distance, for example from inside an operating room in bad weather.

The YT-800 is equipped with a powerful pump for pumping the sediment to a designated point of discharge. The sediment can be pumped directly to a sand and sludge treatment station if available at site.

The YT-800 has electrical motors only and there are no hazardous oils or chemicals that may damage the filter.



Cleaning of sand filters - online

One application for the YT-800 is cleaning sand filters (slow filters). Traditional cleaning using skid-steered loaders is labor intensive and the filter has to be put out of production and completely drained. Using the YT-800 the sand filter is cleaned without draining the filter. The filter can remain in production while the YT-800 removes the algae and sediment from the filter bottom.



**underwater
cleaning
technology**

Technical data	
Dimensions (W x l x h)	120 x 115 x 90 cm
Suction width	120 cm
Weight	200 kg
Drive unit	Electrical motors. Individually powered drive tracks
Suction nozzle	Vertically adjustable with rotating screw
Pump capacity	100 m ³ /h (will vary depending on length of discharge hose)
Speed	0,5 to 10 m/min
Power supply	400/480 V, 3-phase, 50/60Hz
Power consumption	5,5 kW
Standard equipment	
Radio control box	Forward, backward, right, left, screw on/off, suction nozzle up/down, pump on/off
Floating power cable	
Discharge hose	3"
Optional equipment	
Video camera for improved navigation in deep water.	Cleaning can be recorded and stored in VHS, CD-ROM or DVD format
Alternative pumps	
Hydrocyclons	Realtime onboard separation of sand and algae. The sand is put back into the filter.



The YT-800 suction nozzle is vertically adjustable. The rotating screw chews up algae and sand without causing turbidity.



The YT-800 is equipped with a radio handbox that enables the operator to control all of the functions of the YT-800 from a distance. Together with the optional onboard cameras this means the operator can control the YT-800 from inside the operating room.

Our business - underwater cleaning technology.

Weda offers solutions for cleaning surfaces under water using patented WEDA underwater technology. Our VR-600 robotic cleaning system is used worldwide to remove sediment from the bottom of water towers and reservoirs. The WEDA SD sludge collection system removes sludge from sedimentation basins. WEDA is a Swedish company with headquarters in the town of Södertälje, 40 km south of Stockholm.

WEDA products are available worldwide through subsidiaries in the US and Germany and our global network of distributors. WEDA is part of the Eletta group.



Weda
Box 621
151 27 Södertälje
Sweden

Tel: +46 8 550 325 50
Fax: +46 8 550 310 50
E-mail: Info@weda.se
www.weda.se



**underwater
cleaning
technology**