



underwater  
cleaning  
technology

**YT-800**

## Description

### Underwater Cleaning - without disturbing production

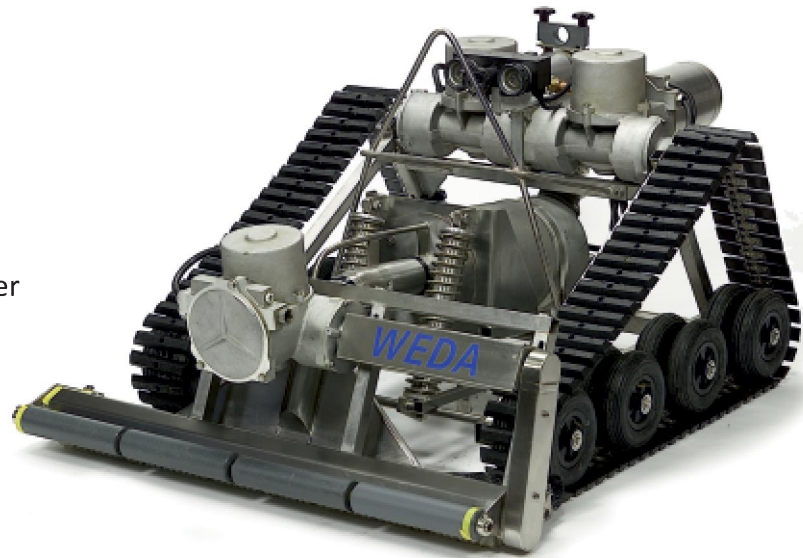
Weda YT – 800 is a remote controlled submersible robot developed for cleaning of large surfaces under water. The YT – 800 will clean your submerged surface, either it's a sand filter (slow filter), an infiltration basin or the bottom of a large water reservoir without havin to empty it.

### Example cleaning of sand filters – online

One application for YT – 800 is cleaning of sand filters. Traditional cleaning using tracked crawler loaders and trucks is expensive and the filter has to be put out of production and completely drained. YT – 800 cleans while the filter remains in production. The YT – 800 removes the algae and sediments from the filter surface. This will lower the cost of cleaning and avoid losses in production or distribution capacity in the reservoir.

### Easy and safe operation

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



### The optional hydrocyclon :

separates the algae and sediments from the sand surface and returns the sand to the filter. The sludge is pumped away to the sewer.

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



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## Optional equipment

### *Video camera for improved navigation in deep water.*

Cleaning can be recorded and stored in CD-ROM, DVD or Digital format.

### *Alternative pumps Hydrocyclon*

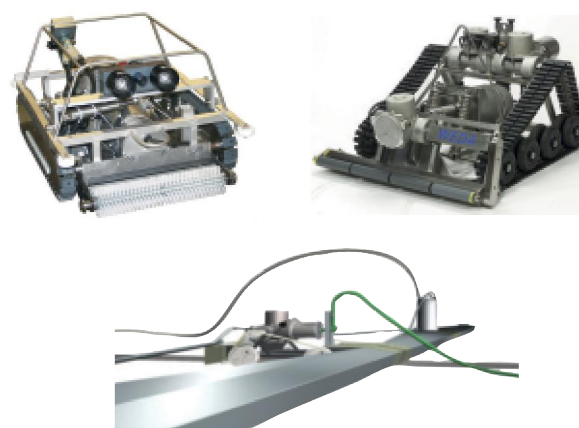
Realtime onboard separation of sand and algae. The sand is put back into the filter.

## Technical Specifications

Dimensions (W x l x h)	120 x 115 x 90 cm
Suction width	120 cm
Weight	200 kg
Drive unit	Individually powered drive tracks
Suction nozzle	Vertically adjustable with rotating screw
Pump capacity	100 m <sup>3</sup> /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
Radio control	Forward, backward, right, left, screw on/off, suction nozzle up/down, pump on/off
Discharge hose	3"

## *Our business - underwater cleaning technology*

WEDA offers a wide range of cleaners for small and large drinking water reservoirs, various types of filters and sedimentation basins. WEDA, formed in 1919, is a Swedish company with headquarters in the town of Södertälje, south of Stockholm. WEDA products are available worldwide through a global network of distributors and Weda subsidiaries in the US and Germany .



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