

## Frequently asked questions (FAQ)

### Sedimclean Commercial Sediment Removing Machine (2021)

#### What is application or use of this machine?

This machine is designed for settled sediment deposition removing for domestic & commercial water storage facilities.

#### How it works?

Settled sediments at the bottom of tank are loosening by brushing. Brushing is done by front or backward movement on the tank floor and walls. This forms a dense dusty cloud near brush movement area. The loosen sediments are sucked by water pump through and gets delivered at discharge hose outlet. At outlet based on discharged sediment water quality and specific needs, filtration system may be applied to recover water.

#### Is this machine need to replace any component frequently?

No. Only after long duration brush and gasket packing may need replacement.

#### What is the power supply rating to operate this machine?

This machine is designed to operate on 230V AC 50 Hz power supply with 5 amp plug socket connection.

#### How much power it consumes?

It consumes about **300** watts of electrical power.

#### How much time this machine will take to clean a tank?

It depends on quantity of sediment deposition in water storage. Regular use of machine may take 10 to 15 minutes of time for tank's sediment deposition cleaning. For first time tank cleaning with heavy sediment deposition may take more time.

#### What is life of machine?

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Websites :- [www.prayoshainnovative.com](http://www.prayoshainnovative.com), [www.sedimclean.com](http://www.sedimclean.com)

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This machine is made from different kinds of plastics, steel & rubber components. Hence proposed life is 5 to 10 years if machine operated & stored as per operational manual instruction. Pump may need service depends on its operational environment and recommendation by manufacturer for its service. Rubber packing, brush and wiper may need replacement after a long use.

### **How to know chock-up in filter during tank cleaning work?**

In this product filters are not provided. Hence if we observe that flow at discharge is reduced, please stop the machine and clean the brush with suction hose.

### **What is flow rating of pump during tank cleaning work?**

This depends on discharge head, but on an average, the capacity of pump unit is about 3000 to 4000 liters per hour for water.

### **What precautions needed to use this machine?**

- This machine works in positive suction, Hence always maintain sufficient water level in tank during cleaning operation.
- Before starting machine, prime the unit by clear water to avoid dry running of machine.
- Do not run machine when you notice the flow at outlet is reduced due to chock up suction side.
- Make sure that tank to be cleaned is having water level minimum 300 mm (1 feet)
- Do not operate machine in only mud. If only mud observed, add sufficient quantity of water to dilute it and discharge out.
- give extra earth connection to tank or sump before starting machine for human safety.

### **Is this machine removes floating impurities?**

This machine will remove impurities only settled at bottom and side walls.

### **How to clean impurities bonded with tank's vertical walls?**

This machine is designed to station on floor at any location. Its suction hose pipe and handle are free and easy to move in the tank anywhere. First of all

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remove sediments settled on tank's floor. Use brush on wall similar to floor and clean side walls. If tank becomes slightly turbid, add alum to tank and allow water sediments to settle for few hours. After settling of sediment, use machine again to clean the tank.

### **Why total 3 numbers of handle segments are given in machine packing?**

For better handling & application suitability purpose, the complete length of handle is divided in to three different segments. As per tank depth handles may be connected & extended.

### **What impurities can be cleaned by this machine?**

This machine may remove impurities in form of settled sediments in wide ranges such as sand, fine dust, fish done, salts and others having size less than 10 mm.

### **How much water will be wasted after cleaning of water tank?**

If filtration system installed, water wastage may be in negligible quantity.

If tank is large and contains more sediment and filtered water outlet comes with turbidity, in such cases we may need to drain our outlet water. Wastage water quantity depends on cleaning time and deposit in tank.

### **How to dispose of collected sediments & impurities?**

We may use for watering small pots or plants if sediment is acceptable to it. Other sediments such as salt, sand, droppings....etc. may be drained to suitable wastage disposal point. Do not drain it in domestic drain to prevent drainage chock up.

### **Who can operate this machine?**

Any male or female can operate this machine with approach up to tank's top manhole. Use appropriate safe standing facility when cleaning large tanks to avoid fall hazards. Avoid use of this machine by small children for safety against fall hazards and electricity. Practice for use will make tank cleaning process easier & less time consuming.

### **Is any demonstration available for operation & service of this machine?**

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Please visit [www.sedimclean.com](http://www.sedimclean.com) for video & other details.

### **Is this machine is suitable for cleaning of sediments in chemicals / solvents?**

The “Sedimclean” commercial water tank cleaning machine is only suitable for cleaning of household, school, hospital, factory, fishpond, decorative water bodies and small cooling tower sumps. For any industrial or other application, please contact [info@sedimclean.com](mailto:info@sedimclean.com) or [info@prayoshainnovative.com](mailto:info@prayoshainnovative.com) with special application details, machine may be developed or offered from available / suitable models.

### **During tank cleaning operation, the tank water gets unclear & bottom is not visible. What corrective action is needed?**

This may be due to any of following reasons.

- Brush movement needs to slow down to keep bottom deposited sediment without any motion related disturbance.
- Outlet hose pipe may be leaking.
- Allow to settle sediments for few hours & then start machine with slow movement of brush. Sometimes sediment nature may be such that it may get disturbed with only a slight movement of water. Keep handle stagnant in on condition and if surrounding area cleaned, just move slight & keep handle stagnant for few seconds & then move ahead slowly to complete the cleaning work.

### **What is the operational cost of this machine?**

The operational cost for domestic model machine is @ Rs. 4 to 5 per hour for electricity consumption based on rate of electricity Rs. 7 per unit (KW).

### **Can we clean water tank which is having manhole at side?**

Yes, up to 3 meter depth & side wall distance, this machine will work.

### **This machine will clear turbid water in tank?**

No. This machine will clear only bottom deposited sediments. Turbidity cannot be cleaned by this machine.

### **What is application limitation for Commercial model?**

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- Cannot work in complete empty tank condition.
- Suitable up to maximum 3 meters of tank depth.
- Requires to move brushed handle manually as per bottom sediment deposit.
- It requires cemented or tiled tank floor.
- Cannot remove deposition size more than 10 mm in diameter.

### **What is the weight of machine & its accessories?**

The weight of submerge pumping unit is @ 10 kg & its accessories less than 5 kg. without water content in assembly.

### **How to store this machine after completion of work?**

Drain the water content from the machine and hose pipe. Roll the power cable, hose pipes and remove handles. Keep machine's all components together to avoid loss of any component.

### **How long we may keep this machine idle?**

We recommend operating this machine once in a month in regular days. In moist season this frequency may be increased for safety of pump.

### **For application or trouble shooting related support how we will get help?**

Please mail on [info@sedimclean.com](mailto:info@sedimclean.com) with sufficient details and photos. or call on contact numbers given on website.

### **Where to purchase?**

Visit [www.sedimclean.com](http://www.sedimclean.com) to locate your nearest dealer or service centre. You may also send mail to company ( [info@sedimclean.com](mailto:info@sedimclean.com) ) for better option to purchase.

### **Where to get serviced? Where spare parts will be available?**

Visit [www.sedimclean.com](http://www.sedimclean.com) to locate your nearest dealer or service centre. You may mail to [info@sedimclean.com](mailto:info@sedimclean.com) or whats App on +91 9898587213.

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