

## Frequently asked questions (FAQ)

### Commercial water tank cleaning machine

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

This machine is designed for bottom and side wall sediment deposition cleaning for domestic & commercial water storage tanks.

#### **How it works?**

Settled sediments at the bottom and sides of tank are loosening by brushing. This forms a dense dusty cloud near handle's bottom end. The loosen sediments are sucked by machine through filter & gets deposited in filter. After 20 to 30 minutes of tank cleaning stop the machine, drain the both filter units and clean filters by water flushing.

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

No. Only filter assembly gets choked after tank cleaning which may be cleaned for re use.

#### **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 750 watts of electrical power.

## **How much time this machine will take to clean a 5000 litres capacity loft tank?**

It depends on quantity of sediment deposition at bottom of tank. 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 along with filter cleaning in between.

## **What is life of machine?**

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.

## **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 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).

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

It is very difficult to specify time duration for filter unit chock up. Hence if we observe that flow at discharge is reduced, please stop the machine and clean both the filters.

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

This depends on condition of filters, but on an average, the capacity of pump unit is about 3000 litres per hour for water.

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

- Do not forget to prime the machine completely before switch on power.
- Keep machine unit dry and away from water flash.
- This machine works in negative suction, hence avoid leakages of air in suction side hose pipe, suction filter and suction pipe. If there is minor air leakage, machine will not give water flow.
- Do not run machine when you notice the flow at outlet is reduced by filter chock up.
- Make sure that tank to be cleaned is having water level minimum 300 mm (1 feet)
- Do not operate machine in only mud.
- If suction is having more muddy water, please alternate frequently to clean water for few seconds to avoid machine hose pipe stuck up by sediments.

## **What is filter permeability?**

This machine is having triple filtration system. The first course filter is at inlet of pump. This filter is for safeguarding of pump from big size sediment particles. The discharge filtration is having permeability of 5 to 10 microns. After few uses it will be reduced to around 5 microns. The discharge filtration is having inbuilt double filtration.

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

This machine will remove impurities only settled at the tank bottom and sides.

## **If our tank is having impurities deposited on vertical walls, how to clean it?**

This machine is equally suitable for bottom & side wall cleaning for water tanks. Use suitable brush from supplied two brushes.

This machine needs only low level of water in tank just to submerge brush head. Even we may enter in small swimming pool or pond like application with only handle and hose pipe with machine outside in dry floor.

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

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

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

About 5 litres used for priming and few litres initially drained outside during start-up of pump. Also few litres for filter element cleaning.

If tank is large and contains more fine dust & outlet comes with turbid water, in such cases we may need to drain our outlet water, this may be @ 200 to 500 litres depends on cleaning time and deposit in tank. But as per our experience, periodically regular water tank cleaning will not make more loss of water.

## **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 stools when cleaning bigger tanks to avoid fall hazards. Avoid use of this machine by small children for safety against fall hazards. Practice for use will make tank cleaning process easier & less time consuming.

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

Please visit [www.sedimclean.com/video](http://www.sedimclean.com/video) for video & other details. You may also visit your nearest dealer with prior request confirmation for required demonstration.

## **Is this machine 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 & other water storage tanks cleaning purpose. 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.

- Handle movement needs to slow down to keep bottom deposited sediment without any motion related disturbance.
- Check filter assembly tightness.
- Check the filter element, it may be broken.
- Allow to settle sediments for few hours & then start machine with no movement. 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.
- Still it repeats; send this unit to authorised service centre for complete inspection & repairs.

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

The operational cost for domestic model machine is @ Rs. 5 to 7 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?**

- Cannot work in complete empty tank condition.
- Suitable up to 10000 litre capacity of water tank.
- Best suitable for maximum handle length of 2.5 meters.
- Requires to move manually as per bottom sediment deposit.
- Cannot remove deposition size more than 7 mm in diameter.
- Cannot work satisfactorily in tanks where sediment level is too high because of filters hold up capacity limitation.

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

The weight of machine & its accessories is @ 18 Kg in unpack condition without water content in filter assembly. After priming, it may increase to 23 Kg.

## **How to move this machine on floor & on stairs?**

- Wheels provided to pull the machine easily on floor. On staircase, this machine may be lifted by two persons for better safety. We recommend moving this machine in empty filter condition to avoid water spillage & reduce machine weight.

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

- Drain the water content from both the filters. Clean both the filters element by water and dry cloth filter in sunlight before storing. Put power cable, brush head, hose pipe inside the machine frame. 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. If pump is not operating make it free by suitable means before its use.