

## Frequently asked questions (FAQ)

### Domestic water tank cleaning machine

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

This machine is designed for cleaning of sediments from plastic & constructed domestic water storage tanks. It works for underground as well as overhead water storage tanks up to water storage capacity of 2000 litres.

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

Settled sediments at the bottom of tank are loosening by brushing. This forms a dense dusty cloud near bottom of machine. The loosen sediments are sucked by machine through filter & gets deposited in bottom part of machine. After machine removal from tank, the collected sediments may be drained out.

#### **3 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.

#### **4 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 3 pin plug socket connection.

#### **5 How much power it consumes?**

It consumes about 50 watts of electrical power.

## **6 How much time this machine will take to clean a 1000 litres capacity plastic water 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.

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

This machine is made from different kinds of plastics, stainless steel & rubber components. Hence proposed life is 5 to 10 years if machine operated & stored safely as per operational manual instruction. Do not keep stored machine exposed to sunlight and heat for its better life.

## **8 What is life of filter element?**

Filter life is more than 24 to 30 times cleaning of water tank say about 2 to 3 years. Do not brush it, just wash in tap water from in to out and dry in sunlight before storing.

## **9 Where to purchase?**

Visit [www.sedimclean.com](http://www.sedimclean.com) to locate your nearest dealer or service centre. You may purchase online or directly from company.

## **10 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.

## **11 What is Sediment water filtration flow capacity?**

This depends on condition of filters, but on an average, the capacity of pumping unit is about 2000 litres per hour.

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

The tank cleaning domestic model is suitable to store sediment up to 10 to 15 minutes. If you found that tank contains more sediment. Stop the machine & clean the filter for further tank cleaning work.

## **13 Cost of machine?**

New Introductory price MRP is Rs. 4200/- Festival or sales discount may be applicable as per seasonal conditions. Transportation or courier charges may be extra for remote area as applicable.

## **14 What is filter permeability?**

During new application, it will be 5 to 10 microns. After few uses it will be reduced to around 5 microns.

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

This machine will remove impurities only settled at the tank bottom and partially at side walls up to level for which machine remains submersed in water.

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

The operational cost for domestic model machine is @ 40 paisa per hour for electricity consumption based on rate of electricity Rs. 7 per unit (KW).

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

First clean the bottom deposited sediments. Then clean walls starting from bottom by tilting machine in angle up to comfortable level. The side wall cleaning is possible till machine remains submersed in water. For remaining top portion use wall cleaning plastic brush, clean the walls & allow all impurities to settle in bottom. If permissible add alum in water to fast settling time duration. Allow tank water to settle for 4 to 6 hours. Now after completely settling of all sediments at the bottom of tank, the water will look clear with sediments at the bottom. Now we may use our tank cleaning machine to collect all bottom deposited impurities.

## **18 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. The first one is to be connected with machine top directly. If tank depth is lower than 1500 mm, use only first & last handle piece for tank cleaning purpose. If tank depth is around 1900 mm, connect all three handles to make it sufficient long.

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

Less than 2 litres of water collection in machine bowl will be wastage for disposal. Plus filter cleaning water @ 2 to 5 litres needs to consider as waste water.

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

If sediment contains major part as silica, it can be disposed off as civil debris. If sediment is having major part of earth which may be easily mixed with water, may be used for watering small pots or plants in home or garden. In any case do not drain it in domestic drain to prevent drainage chock up.

## **21 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.

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

Please visit [www.sedimclean.com/downloads](http://www.sedimclean.com/downloads) for video & other details. You may also visit your nearest dealer with prior request confirmation for required demonstration. If feasible your area dealer may give you demonstration at your own tank.

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

The "Sedimclean" domestic water tank cleaning machine is only suitable for cleaning of household 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.

## **24 During machine operation tank water gets unclear & bottom is not visible. What corrective action is needed?**

This may be due to any of following reasons.

- Machine movement needs to slow down to keep bottom deposited sediment without any motion related disturbance.
- Check filter bowl & machine body tightness.
- Check the filter element, it may be broken.
- Filter may be too old which will allow sediment to pass away due to enlarged porosity.

- Dust content in water may be too fine ( less than 5 micron )

## **Corrective action**

- 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 machine stagnant on its position and if surrounding area cleaned, just move slight & keep machine stagnant again for few seconds & then move ahead slowly to complete the cleaning work. If fine dust deposition is there give very slow movement to machine.
- Still it repeats; send this unit to authorised service centre for complete inspection & repairs.
- For extra fine sediments which comes out even from new filter element, please ask dealer / company for required support.

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

Yes. This machine is designed to work in vertical conditions as well as in tilted condition. The machine can be tilted to 60 degrees from its vertical position.

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

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

## **27 What is application limitation for domestic model?**

- Works in filled water tank only. Minimum water level required is complete submerge of machine.
- Only suitable for domestic water storage tank cleaning.
- Requires to move manually as per bottom sediment deposit.
- Cannot remove deposition size more than 5 mm in diameter.
- This is home appliance, use only for regular cleaning of home water storage tank. If sediment deposition is very high, clean water tank thoroughly first and then use this machine with adequate cleaning frequency so that tank may be cleaned within few minutes only.
- Do not extend handles more than given with machine pack.