



## Rust Remover - Shower Instructions

### Items Required

1. Rust Remover
2. Pump - You can use a 12v bilge pump or inline water pump etc. Just make sure if purchasing your pump has the required lift (Head Pressure) for your project and is rated for continuous running.
3. Pipe to connect to pump.
4. Collection method (Plastic sheet , inflatable pool or waterproof tarp etc)
5. A tub to act as a reservoir

### Instructions

1. If possible remove all grease and dirt etc before starting. The cleaner your item is to start with the longer your solution will last and the faster it will work.
2. Set up your Pump, Pipe, Sump and Collection Method.
3. Run clean water through the system and check for any leaks and make sure all water is finding its way back to the sump. Remember as the rust comes off it may expose other holes in the metal so try and allow for that when positioning the collection method. If there are any existing holes you want to block, a Hot Glue Gun is a good option for applying an easily removable patch.
4. Once you are happy with the set up, drain the water and replace it with your mixed solution. If you are using concentrate, mix the solution 4:1 using clean water (4 Parts Water to 1 Part Concentrate).
5. Mark the height of the solution in the sump after turning on the pump.
6. Come back occasionally to test the progress using a small brush against the rusted item.
7. If any evaporation has occurred just add more water to the remaining solution to bring it back to the level of your original mark in the sump.
8. This point is optional but prolongs the working life of the solution; when the brush exposes clean metal stop the pump and brush the wet area. Clean it up with a sponge and a bucket of clean water. Less Rust in the Solution makes the solution last longer.
9. Once your item is free from rust, drain the solution into a bottle for re-use or dispose of it safely (whilst the product is environmentally friendly, there may be different elements suspended in the solution from the cleaning process)
10. Wash the item thoroughly with clean water. If the item has turned black simply wash it with a good quality Degreaser then rinse again with water and dry it (using a Hair Dryer or Heat Gun) this will return it to it's normal colour. If painting use an etch primer to assist paint to stick to the new smooth surface or apply your finishing product (Machine Oil or Wax etc).
11. Clean everything including running clean water through the pipe and pump.
12. Send your before and after photos to Rusted Solutions along with a note saying how happy you are with Rust Remover for our Website and tell your friends.



## **Please note**

- Rust Remover works in any temperature but for faster results either mix with hot water or use an immersion heater. They can be purchased from most pet shops in the form of a Fish Tank Heater. (remember to be careful as they are high voltage and mostly made of glass).
- Cleaning time will vary based on the thickness of the rust.
- Cast Alloys - While this product is not designed to clean cast alloys it will, aggressively. If these alloys are present in a component we strongly suggest that the process be constantly monitored. Such alloys can be covered with Petroleum Jelly to protect them while rust is removed from the balance of the component.

## **Safety Directions**

- Keep out of Reach of Children and Pets etc.
- Avoid Prolonged Contact with Skin - Wash skin with Soap and Water after use.
- Wear Safety Goggles - If you get the product in your eyes wash with copious amounts of water.
- If swallowed drink plenty of water.
- If any adverse symptoms occur after exposure seek medical advice.

## **Storage**

- Close lid tightly after use.
- Store out of direct sunlight.

## **Disposal**

- While the Rust Remover itself is environmentally friendly please consider any contaminants that may have been absorbed into the Solution during the cleaning process and dispose of appropriately.