

First Use and Maintenance Instructions

Your tool kit for this machine should include; Only ever use Distilled or Demineralised Water in this machine, Sodium Hydroxide (99%), Phillips Head Screwdriver, Measuring Jug (2 litres or ½ gallon), Funnel, Towel, White Vinegar and a regular supply of Distilled Water (roughly about 1 litre per week)

Charging and Filling

Check that both valves are closed inside the machine before filling.

“Electrolyte System” Premix 2.2 litres of Distilled or Demineralised Water with one half teaspoon (2.5 ml) of sodium hydroxide and stir/dissolve before pouring into the “Electrolyte” filler point. **“Gas Filter System”** Fill the gas filter system with 700ml of distilled or demineralised water only.

Cleaning *(for optimum performance - every 250 hours or 2-3 months)*

Turn off power supply, disconnect power cable from rear of machine, loosen screws on the bottom of the rear panel only and completely remove the remaining screws to remove rear panel. Take machine to a drainage point such as a shower, laundry tub or kitchen bench, completely remove filler caps on the top of the machine and open the electrolyte system valve and the gas filter system valve inside the machine at the bottom and completely drain fluids. Close both valves. Pre-mix 3.5 litres of white vinegar solution (approximately 33% vinegar and 66% distilled water) and fill electrolyte system with 2.5 litres, and the gas filter system with the remaining 1 litre of vinegar solution and leave for a minimum of 2 hours (overnight recommended). Open both valves and drain contents completely. Close valves and fill with distilled water to flush cleaning solution, 2.5 litres in the electrolyte system and 750ml in the gas filter system. Leave for a few minutes, drain and repeat for second flush by capturing the fluids in a jug and pouring through the system again. If the machine is not going to be used for a lengthy period of time, it is best to be drained and flushed with distilled water for storage.

- **WARNING - Please note that the electrolyte system in this machine is a diluted caustic fluid and any skin contact should be washed and cleaned thoroughly without delay. Avoid contact with skin and eyes and flush any drainage points with fresh water on completion of maintenance.**
- **WARNING - Hydrogen is an explosive molecule and must only be used as directed in an open and well-ventilated room. Keep away from, and do not use near potential ignition points including open flames, cigarettes. Do not use in water containing bubble forming soaps and detergents.**