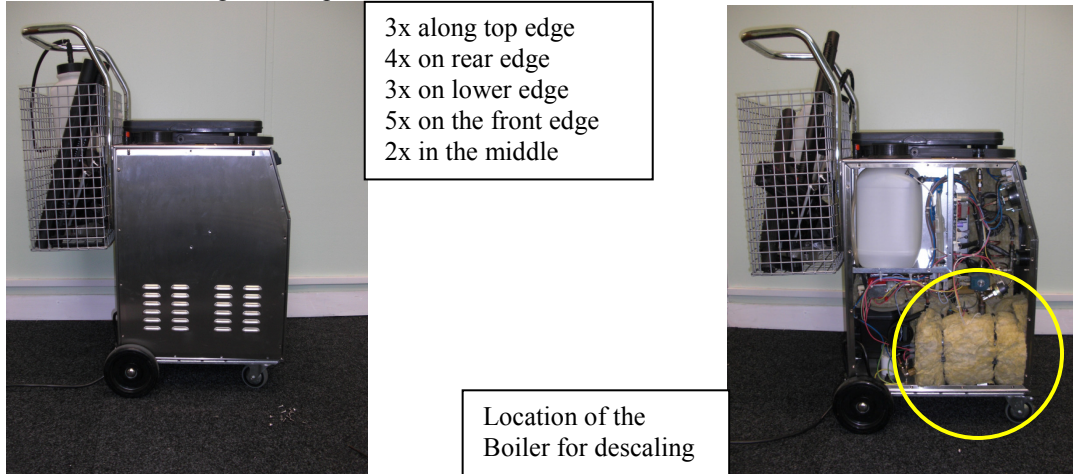


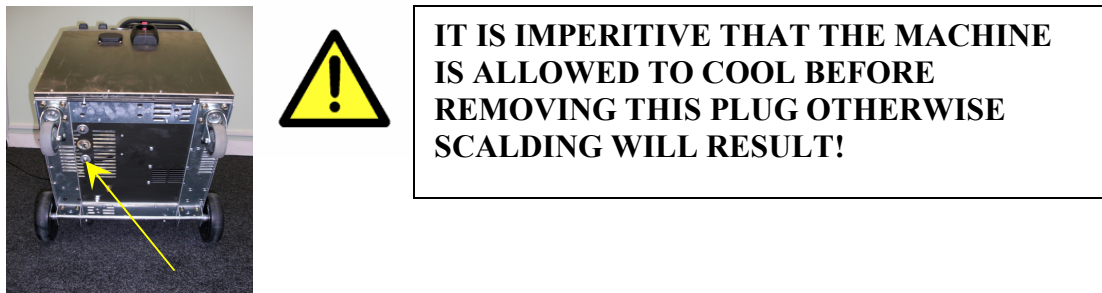
# Sage Systems SDV8000 Descale process

Periodically the SDV8000 will need its boiler descaling especially in hard water areas. Users may experience longer warm up times due to deposits building up on the elements. This procedure will descale the unit, however should only be attempted by a competent technician. Please see Safety warnings below before commencing work.

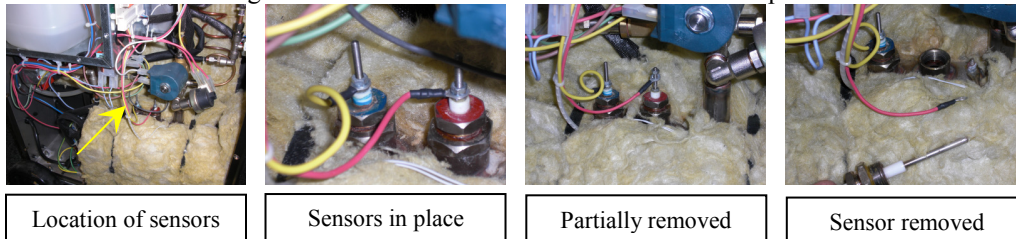
1. Allow the machine to cool fully until the pressure gage on the front panel rests at zero.
2. Remove the 17 screws from the left hand side panel (when viewed from the front), these will either be 3mm Allen fitting or Phillips headed screws.



3. Tilt the Machine onto its rear to allow access to the underside of the machine. Here you will find a 19MM plug that needs to be removed to drain the boiler. Remove this and temporarily replace once all liquid has drained from the boiler.



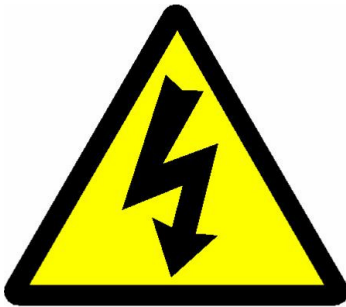
4. On the top of the boiler you will be able to see 2 sensors (one red and one blue) remove the wire from either of these (ensuring that the threaded portion does not turn), then remove the sensor with a 24 mm spanner/socket and fill the boiler with descaling solution through the resulting hole (max 3L). While the solution is in the boiler it is imperative that you do not operate the machine as this will result in element damage. Please see the chemical instructions for soak period.



5. After leaving the solution in the boiler for the prescribed time repeat step 3, this time you will need to use a suitable sealing compound (E.G. PTFE tape) on the drain plug when refitting and then tighten to a suitable torque.  
The sensor that has been removed will also need to be replaced, again using a sealing compound on the threads and ensuring that when the wire is reconnected, and the nut tightened, the threaded portion does not turn.
6. The side panel can now be refitted ensuring that no wires/pipes have been disturbed whilst the machine has been open. Pay particular attention to any pipes that may become trapped by the side panel. Check also that no liquid has come into contact with the electrical equipment and if so seek advice on removal from a qualified electrician.
7. The unit should now be ready for connection and testing. It is normal that the pump will be heard more than usual while the boiler refills for the first time.  
Your machine will now be ready to return to service.



### **Safety Notices.**



Once the side panel has been removed electrical items will be accessible. **THE UNIT MUST BE DISCONNECTED FROM SUPPLY VOLTAGE AT ALL TIMES WHEN THE PANEL IS REMOVED!**



**THE UNIT MUST BE LEFT TO COOL BEFORE MAINTENANCE OPERATIONS COMMENCE TO AVOID BURN/SCALD RISK!**

When using chemicals follow the manufacturers instructions precisely to avoid damage.

**If you have any concerns performing this procedure you MUST seek professional advice from a qualified technician.**