

**HIGH PRESSURE [0-100 PSI]****SEQUENCE OF EVENTS**

All of our electric steam generators are equipped with an ON/OFF switch. When the generator is turned on, the water inlet solenoid opens and water flows through the pump, which increases water pressure flowing into the chamber. As the water level rises to (A) and (G) probes, the contactors close. Electrical current passes through the contactors to the heaters. At this stage, the heaters are fully immersed in water. The process of heating the water and the accumulation of steam begins. Water will continue entering the chamber until it touches the (C) probe. Steam pressure will build up until reaching a set point (80PSI). As steam is used, the pressure will drop 3 to 8 PSI. Next, the heaters will be activated to replace the steam that has been used. During this process, the water level is maintained between the (C) and (B) probes.

Each generator is equipped with two pressure controls: one for actual control and the second for safety, in the event the main pressure controls fail. Each generator is supplied with a glass gauge as a visual aid to assist in monitoring the water level inside the chamber. A safety valve located on top of the generator releases the pressurized steam if it exceeds the safety limit.