

CONCEPT BOILER SYSTEMS

BOILER STARTUP PROCEDURE

1. Check that that boiler is in an isolated condition by checking valves and electrical switches, and that the burner switch is at the low fire position if fitted.
2. Ensure the feedwater tank is full and make up supply is available. Mains isolator must be open.
3. Slowly open the gas supply isolation valve if it's not already open.
4. Ensure all valves between the feedwater tank and the boiler are open.
5. Ensure that the Main Steam Valve is in the Open position.
6. Turn the main isolation switch to ON - it's located at the left side of control panel.
7. Check the water level in gauge glasses. If necessary, use the manual fill switch located at top of control panel until the water level is approximately half way in the gauge glass.
8. Turn the switch at the top of the control panel to the RUN position, and push the START/LOW WATER RESET button located at bottom left side of control panel.
9. Unless otherwise advised, when the pressure gauge reaches 200kPa, open the feedwater isolation valve between the tank and he boiler, then open the blowdown valve slowly and fully for approximately 7-10 seconds.
10. If the main steam valve was previously closed, carefully and slowly open it when the pressure reaches approximately 600kPa.
11. If the water level is well above the low water point of the boiler (minimum of one third full in gauge glass), then the burner will automatically start, and if required the feedwater pump will automatically start to fill the boiler to its normal operating level. The Boiler will now operate automatically. The Burner will automatically turn off and on at set pressures. The feedwater pump will operate automatically as required.
12. Perform blowdown of boiler approximately six hourly for 5-8 seconds including independent blowdown of all gauge glass mounts unless advised otherwise.

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