



BOILER FEEDWATER

In order to produce steam, water must enter the boiler and be heated. In order to run the boiler properly, a constant water level must be maintained, and thus, boiler feedwater pressure must be kept at a level above the pressure inside the boiler.

Proper boiler feedwater control requires 2 valves:

1. A MK63 differential pressure regulator to keep a constant pressure 15 psi above the boiler pressure.
2. MK30 electric operated valve is used to control the level of the water in the boiler itself.

The level controller is usually hooked to a potentiometer which sends a resistance signal to the electric motor valve which controls water level. The MK63 takes the boiler pressure and adds to it a spring pressure to provide feedwater pressure above the boiler pressure.