

Firebird Pump Setting Guide

Firebirds new NZ boilers are supplied with Lowara electronic circulation pumps, these pumps use lower energy than the previous series of pump and have 3 modes that can be selected during commissioning.

Purging Mode

When the boiler is first installed the pump can be set on the 'start' / 'mode select' position and the led will blink white while this mode is active.

Use this mode while purging the system to help remove air from the system and boiler.



— Lowara Pump on purge mode

Manual Constant Speed Mode

In this mode the LED will be solid white, if the light is blue turn the dial back to the mode select position and then to the desired setting. This mode is similar to older style 3 speed circulation pumps and is recommended for most applications.

For most applications a pump pressure of 30-40kPa will be sufficient, please see below recommended settings by boiler capacity:

- 20kW = 4-5
- 26kW = 5-6
- 35kW = 6-7

Variable Pressure Mode

In this mode the LED will be illuminated blue, if the LED is white turn the dial back to the mode select position and then to the desired pump setting. In this mode the pump detects changes in the system (e.g. closing of radiator TRV's) and reduces the pump pressure. This mode is suggested for radiator systems where it is likely only a few radiators will be open in some situations or where the client has complained about noise from some radiators.

For most applications a pump pressure of 30-40kPa will be sufficient, please see below recommended settings by boiler capacity:

- 20kW = 4-5
- 26kW = 5-6
- 35kW = 6-7