
Subject: *Troubleshooting Hydrolevel Probe-Style Low Water Cut Offs*

Weil-McLain provides Hydrolevel Low Water Cut Offs (LWCO) on some of its water and steam boilers. Hydrolevel has both 24-volt and 120-volt models as well as a model with manual reset.

These electronic, probe-style LWCOs are simple controls to understand and service. To aid in troubleshooting these controls, Hydrolevel has developed two troubleshooting flow charts for its Models 400/450 for the following symptoms:

- (1.) "Burner will not fire"
- (2.) "Burner will not shut down in low water"

Both of these troubleshooting guides are enclosed for use when either of these situations is encountered.

It is important to note that with a probe-style LWCO, there is no blow down option available. As a result, service technicians should be aware that the probe-style LWCO requires periodic inspection and cleaning of any scale or build-up that may occur. Cleaning and testing of probe-style LWCO controls should be part of the normal annual boiler maintenance and service. Always follow manufacturers instructions for annual cleaning and servicing requirements.

Enclosures:

- Hydrolevel Troubleshooting Guide 1 (Models 400/450) – "Burner will not fire"
- Hydrolevel Troubleshooting Guide 2 (Models 400/450) – "Burner will not shut down in low water"