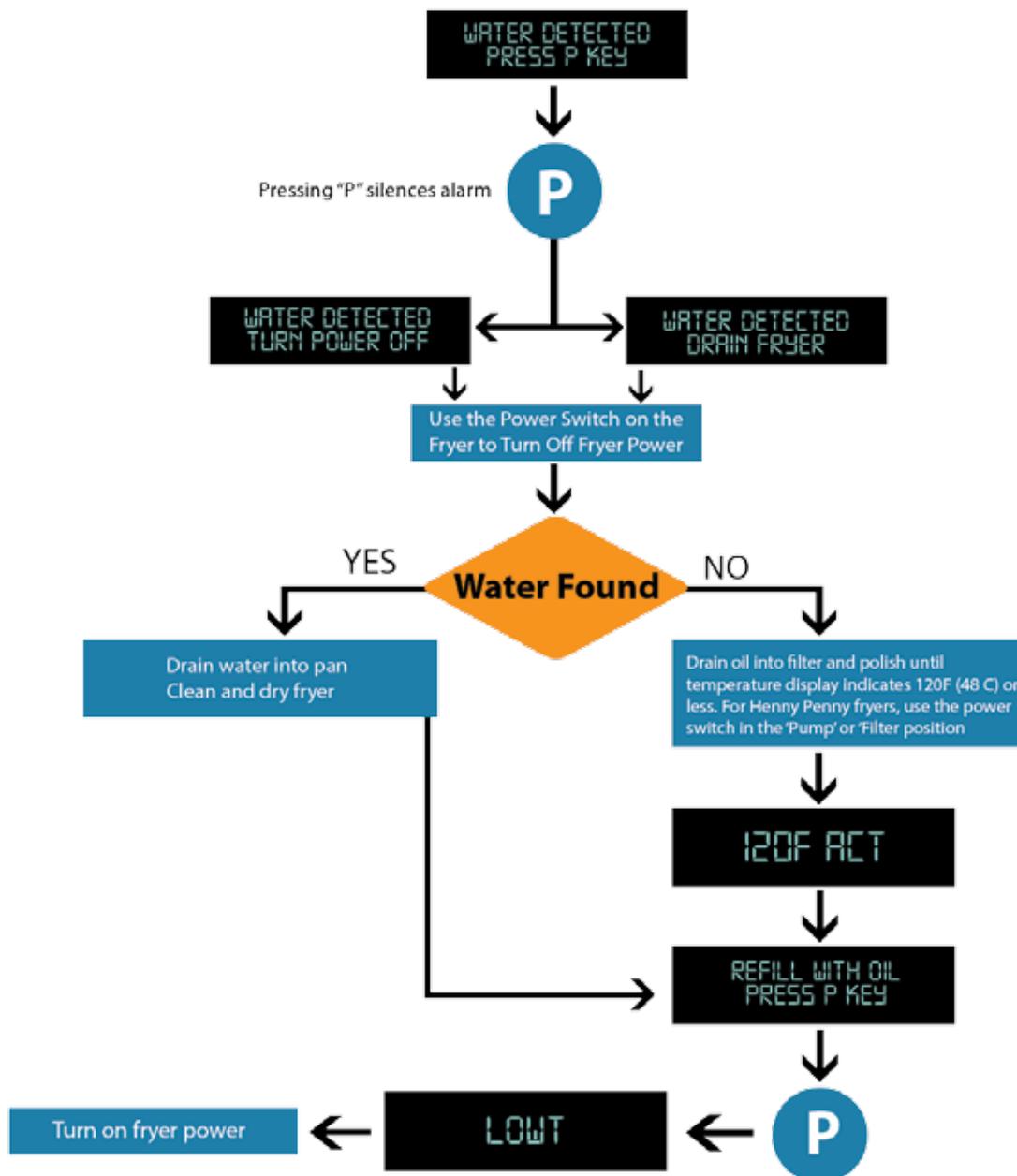


VC-210 Boil Protection

VC-210 Boil Protection Flow Chart



VC-210 Boil Protection Troubleshooting Procedures

How It Works:

Boil Protection software works by measuring the time it takes the oil temperature to transition through a temperature range of 190-220 degrees F (88 C - 104 C). Since water heats slower than oil, if the temperature does not transition through this range in the specified amount of time, the controller determines that it is heating water rather than oil, and shuts the fryer down. The specified amount of time is two minutes or less.

The Boil Protection routine resets every time the temperature probe sees a temperature of 120 F (48 C) or lower. If the fryer successfully passes through the detection zone, it will not execute the detection routine again until the temperature drops below 120 F (48 C).

Tips to Prevent a False Trigger:

- Do not stir the oil if the temperature is between 190 F and 220 F (88 C - 104 C)
- Do not add oil, or top off the fryer if the oil temperature is between 190 F and 220 F (88 C - 104 C)
- Do not turn the fryer off if the temperature is between 190 F and 220 F (88 C - 104 C)
- Do not start a filter or polish cycle if the oil temperature is between 190 F and 220 F (88 C - 104 C)
- Do not fill fryer above fill line

Note: The above statements only apply on an initial start up or if the probe temperature has dropped below 120 F (48 C).

Note: If the fryer heating system (heating elements or gas burner) are not performing to specification, a false trigger could occur. If false triggers occur and the aforementioned tips are followed, contact maintenance to have the fryer checked.



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