

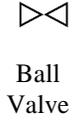
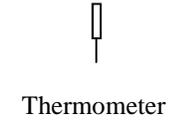
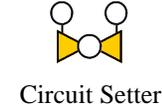
### Tankfull System / Fire Coil



National Combustion Co., Inc.  
104-11 180th Street  
Jamaica, NY 11433  
Ph: 718-291-8400  
Fx: 718-291-6870

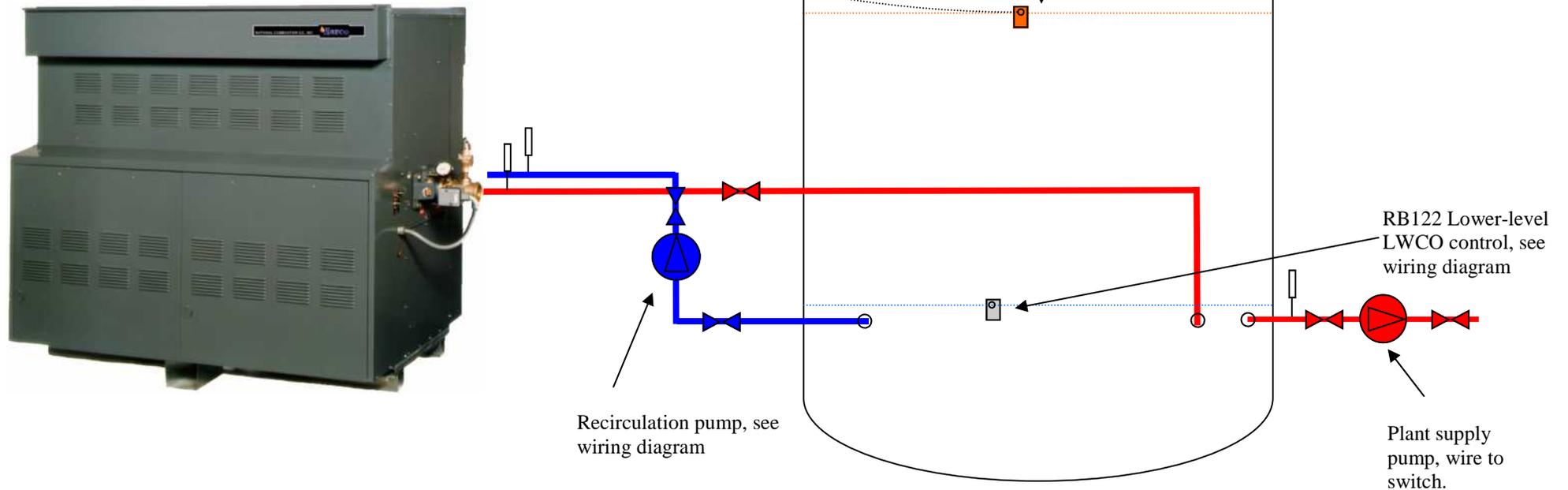
Notes:

1. This drawing shows suggested piping configuration. Check local codes and ordinances for additional requirements.
2. Back flow preventer may be required. Check local codes.
3. Additional ball-valves, drain valves, and unions should be used for ease of maintenance (i.e. to isolate and/or drain, heaters, tanks, and pumps).
4. Pipes should be sized according to included charts.
5. These drawings are conceptual. Individual jobs have characteristics that may require adjustment. Contact NATCO for more information.



PS-801-120 Upper level  
LWCO control, wired to sole-  
noid valve.

Cold Water Inlet

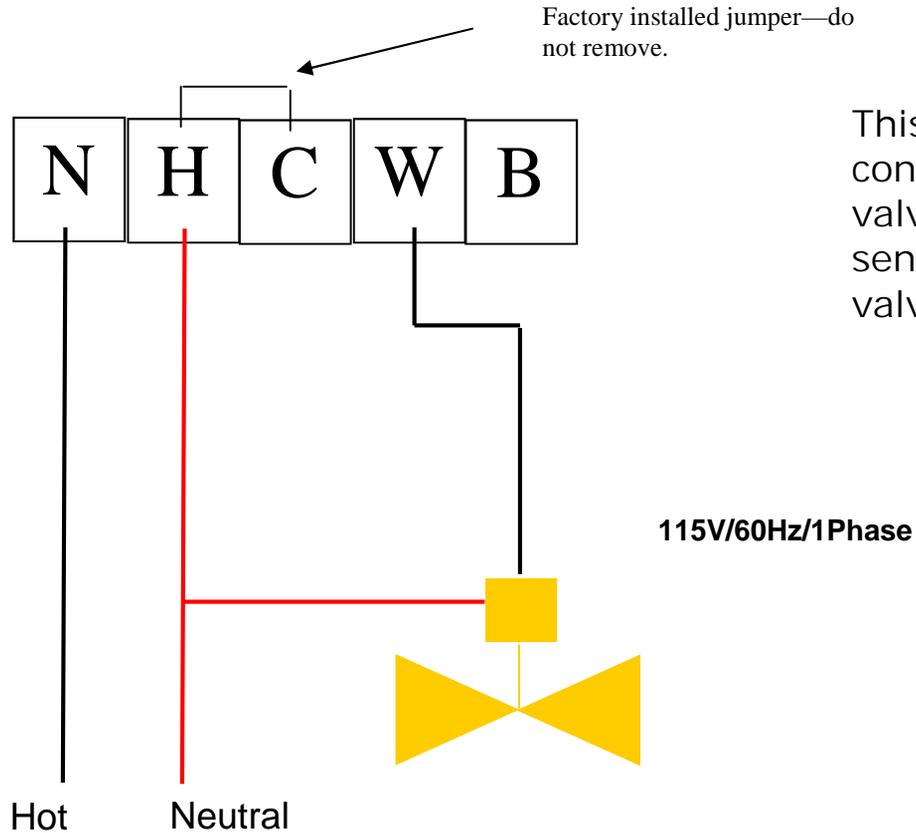


Recirculation pump, see  
wiring diagram

RB122 Lower-level  
LWCO control, see  
wiring diagram

Plant supply  
pump, wire to  
switch.

## Wiring Diagram for Upper-Level Control (PS801-120)

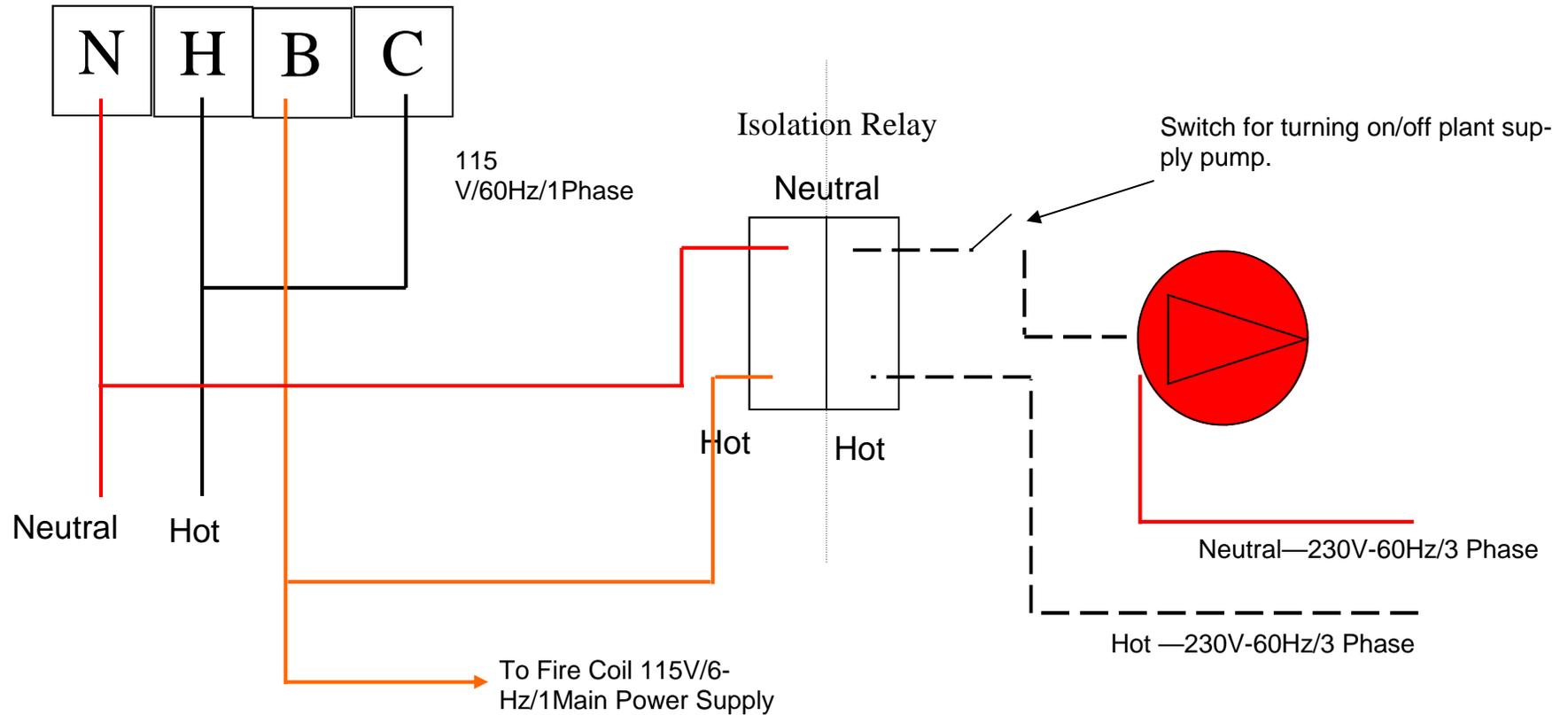


This is the wiring for the upper-level control (the PS801-120) to the solenoid valve. When the upper-level control senses low water, it allows the solenoid valve to open.



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## Wiring Diagram for Lower Level Control (RB-122)

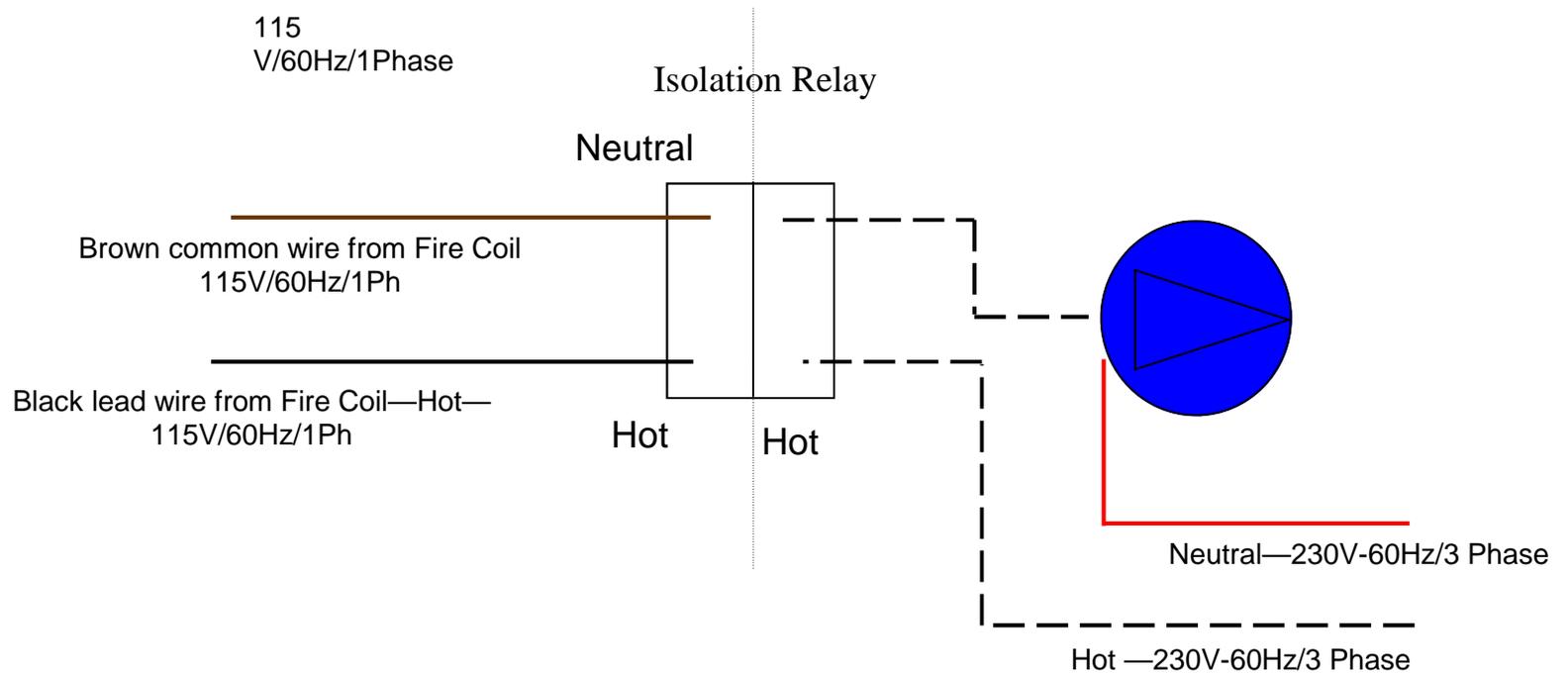


This is the wiring for the lower-level control (the RB-122) to the plant supply pump. When the lower-level control senses water, it allows the circulator to turn on, and it allows the Fire Coil to receive power.



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## Wiring Diagram for Fire Coil/Tank Circulator



This is the wiring for the recirculation pump. The black hot and brown common wires from the Fire Coil need to trip an isolation relay that will supply the circulator with 230V/60Hz/1Phase power.



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