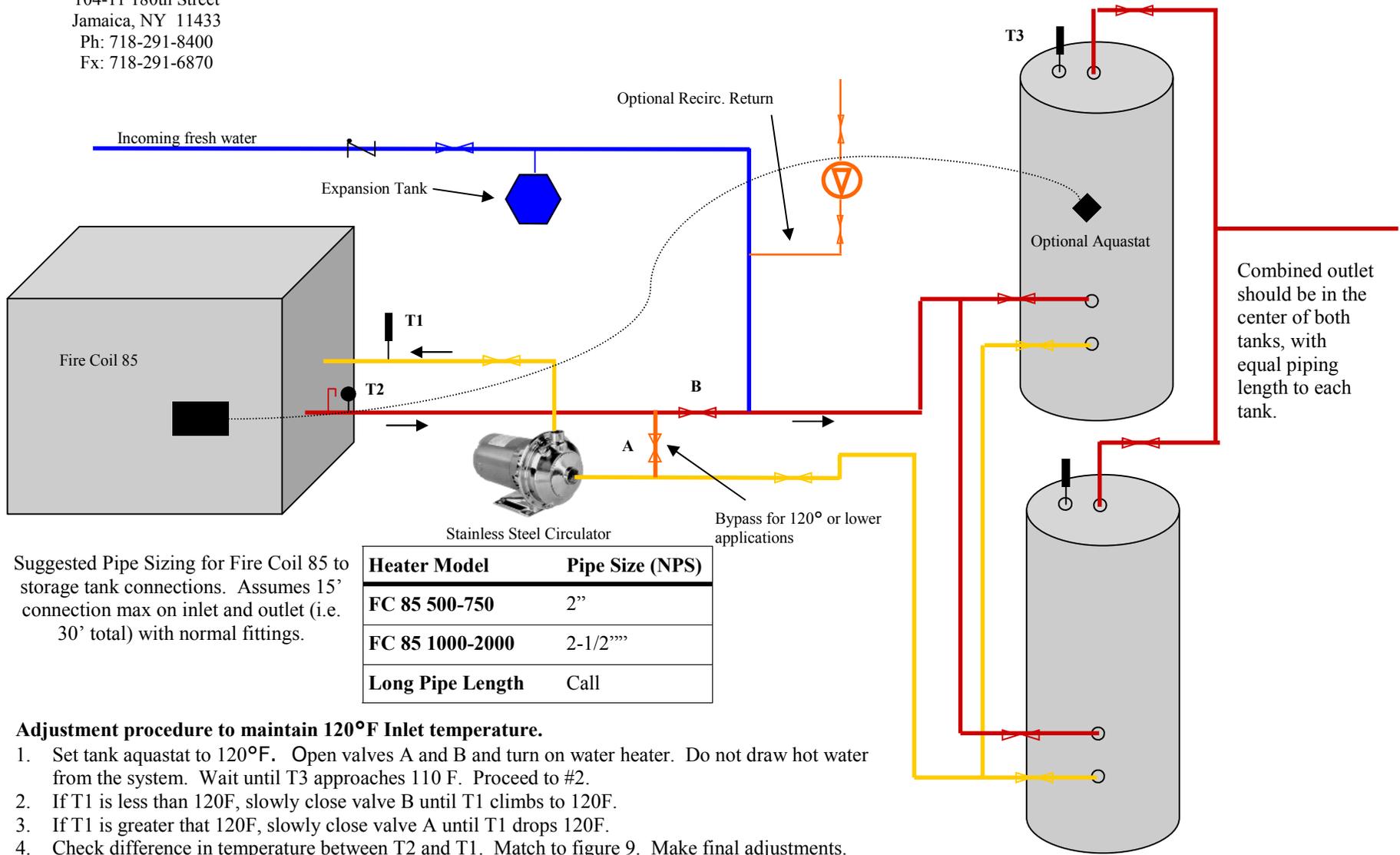


# Applications for Hot Water Setpoint of 120 Degrees or Less (2 tanks, Reverse Return)



National Combustion Co., Inc.  
104-11 180th Street  
Jamaica, NY 11433  
Ph: 718-291-8400  
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Suggested Pipe Sizing for Fire Coil 85 to storage tank connections. Assumes 15' connection max on inlet and outlet (i.e. 30' total) with normal fittings.

Heater Model	Pipe Size (NPS)
FC 85 500-750	2"
FC 85 1000-2000	2-1/2"
Long Pipe Length	Call

### Adjustment procedure to maintain 120°F Inlet temperature.

1. Set tank aquastat to 120°F. Open valves A and B and turn on water heater. Do not draw hot water from the system. Wait until T3 approaches 110 F. Proceed to #2.
2. If T1 is less than 120F, slowly close valve B until T1 climbs to 120F.
3. If T1 is greater than 120F, slowly close valve A until T1 drops 120F.
4. Check difference in temperature between T2 and T1. Match to figure 9. Make final adjustments.