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Re: Understanding Options for Alternating Pumps

Standard duplex, condensate units use two float switches to start and stop the pumps. Boiler feed units use boiler level controllers on the boiler[s] to control the pumps.

Alternation, Option 1:

On condensate units, substitute an automatic mechanical alternators in place of the two float switches. The mechanical alternator will start both pumps. It will alternate the pump on each duty cycle. In the event of extreme load conditions where a single pump cannot keep up with the load, the alternator will also operate both pumps simultaneously for high-level conditions.

Note: Option 1 does not exist on boiler feed units because there is no known boiler level controller that performs the functions as state above.

Alternation, Option 2:

Utilizing two standard float switches on condensate units or utilizing a two-position boiler level controller on the boiler[s]. Install two lead-off-lag selector switches in the electrical control panel. These switches allow you to manually select and lag pumps. The duty cycle can manually be reversed on a predetermined schedule for even wear.

Alternation, Option 3:

Utilizing two standard float switches on condensate units or utilizing a two-position boiler level controller on the boiler[s]. Install an electrical alternator in the electrical control panel. The electric alternator will alternate the pumps on each duty cycle. In the event of extreme load conditions where a single pump cannot keep up with the load, the second float switch or second level controller will start the second pump. Both pumps will then operate simultaneously.

Sincerely,

Shipco® Marketing and Sales Department