Card No. 2 of 3 on operation of Aroclor 1248 heat transfer systems.

GENERAL RECOMMENDATIONS FOR OPERATION and MAINTENANCE of aroclor 1248 HEAT TRANSFER SYSTEMS

The following instructions apply to all Aroclor heating systems and are supplemental to manufacturers' recommendations for the equipment proper.

Start-up Procedure

(follow these instructions any time a system has been shut down long enough for the Aroclor to cool below 180°F.).

1. Start circulation pump and check expansion tank (should be 1/4 full).
2. Start burner on lowest heat and maintain full circulation until return fluid temperature reaches 180°F.
3. Set burner for full heat. Resume normal operation when fluid reaches proper temperature.

Shut-down Procedure

(follow these instructions to prevent localized over-heating when system is being shut down).

a. Shut burner off but maintain full circulation for at least 1/2 hour to dissipate high residual heat in combustion chamber.

b. If air temperature is under 50°F., keep fluid circulating constantly at 200°F.

Precautions in Case of Power Failure

Power failure automatically interrupts the burner operation. When power resumes, start the circulation pump to get rid of any vapor pockets that may have formed in the heater tubes. If fluid is still hot (above 180°F.), full heat may be resumed when pipe knocking (if any) has stopped.

If returning fluid has cooled below 180°F. during power failure and initial circulation, follow Start-up Procedure above.

For more details, consult Monsanto's booklet on "Aroclor 1248 Heat Transfer Data", or contact

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