



Subject: TROUBLESHOOTING THE 32SM500704 CAPACITY CONTROL MODULE AND CHILLED WATER PROBE

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Centrifugal
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1.0 PURPOSE

To instruct the field that, before changing out a 32SM500704 solid-state capacity control module, the probe resistance should be compared to design as shown below and in the Start-Up, Operation and Maintenance Instructions.

2.0 MODULES AFFECTED

Redesigned 32SM500704 modules shipped on machines from the factory and from the Parts Center since early 1978.

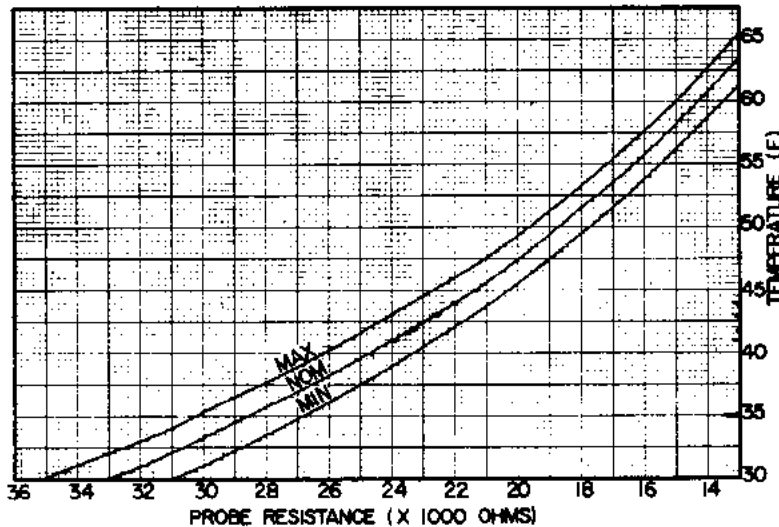
3.0 INFORMATION

Only a few modules have been returned to the Parts Center as failures, but of those returned, one-half have checked out O.K.

During the field trial, it was difficult to lower chilled water setpoint settings on some modules. Further investigation revealed that the chilled water probes were out of specification. For some unexplained reason, the old-style modules were not as sensitive to probe variations.

4.0 PROCEDURE

If the probe resistance is found to be out of specification and causing control problems, the inner probe element, 32SM680001, can be changed without changing the associated well.



Chilled Water Probe Resistance versus Temperature

FILING INSTRUCTIONS: CENTRIFUGAL FIELD EXPERIENCE REPORTS MANUAL
TAB: CONTROLS-WIRING

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