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Thesis Title : Experiment and development of automatic coil cleaning system in the air conditioning industry

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Abstract

The old method of coil cleaning system in the air conditioning industry had many problems such as slow dangerous high cost and inaccurate quality.

This thesis present the method to clean coil by using vapor degreasing system and pneumatic system which control by PLC.

The result from the experimental finds that coil cleaning system speed up 5 times. The automatic system helps the user touch the chemical lesser than conventional method. The quality of cleaning system could be accurate control and the cost could be reduce to 21.4% of conventional method.