The Use of a Flame Retention Head for Sonic Burner Flame Enhancement

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Abstract: The sonic oil burner is currently undergoing extensive testing and development in order to implement it as a tool used to generate repeatable results for oil burner related tests. The stator and turbulator components used in the original Park oil burner were incorporated into the sonic burner when it was initially designed. The new flame retention head used to replace the stator and turbulator has proven so far to allow the sonic burner to produce a more uniform flame and generate more repeatable test results.