



# South Coast Air Quality Management District

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September 21, 2011

Mr. Charles Aiello  
Vice President of Sales  
Midco International Inc.  
4140 W. Victoria Street  
Chicago, Illinois 60646

Dear Mr. Aiello:

Subject: Approval of Request for Certification under Rule 1147 (e)

The South Coast Air Quality Management District has completed our review of your report entitled "NO<sub>x</sub> Emissions Test Report for Midco International, Inc. Direct-Fired Make-up Air Heater Burner for Spray Booth Application Conducted for Compliance to SCAQMD Rule 1147" dated July 8, 2011 and additional information submitted by e-mails on September 1 and 14, 2011. The results of the testing performed indicate that the Midco Model LNB 1000 burner has NO<sub>x</sub> emissions of less than 30 ppm @ 3% O<sub>2</sub>. As a result, the Midco Model LNB 1000 burner when exclusively used in make-up air units, identified in Tables I and II, for automotive spray booths is approved for operation pursuant to Rule 1147, NO<sub>x</sub> Reductions from Miscellaneous Sources, Subdivision (e), Certification. This approval supersedes the approval letter dated September 8, 2011 and is subject to the following conditions.

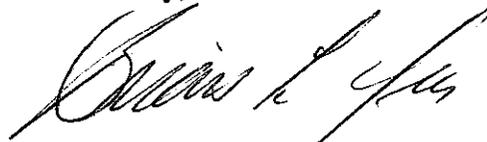
1. Midco International Inc. shall supply written notification with each Midco Model LNB 1000 burner sold or distributed for use within the jurisdiction of the South Coast Air Quality Management District stating that the burner is only approved when used in make-up air units, with parameters listed in Tables I and II, for automotive spray booths.
2. Midco International Inc. shall supply written notification with each Midco Model LNB 1000 burner sold or distributed for use within the jurisdiction of the South Coast Air Quality Management District stating that the burner shall comply with the provisions of Rule 1147 subdivision (c).
3. The Midco Model LNB 1000 burner shall be equipped with a limiting gas orifice (Part No. 5246-28) and EBM G170 combustion blower Model No. G1G170-AB05-20 (Part No. 8435-23). The gas orifice shall be set at the factory and designed in a manner that the end users cannot physically make any adjustment. Midco International Inc. shall supply written notification with each Midco Model LNB 1000 burner sold or distributed for use within the

jurisdiction of the South Coast Air Quality Management District stating that using a different combustion blower, or modifying the factory set location or size of the gas orifice shall invalidate the burner certification.

4. The make-up air units listed in Tables I and II shall have a permanent label identifying the unit model number and the District certification status. The label shall be placed in a conspicuous location.
5. This approval is only valid for the Midco Model LNB 1000 burner tested. Any modification of the burner assembly design shall invalidate this approval unless the modification is approved in writing by the South Coast Air Quality Management District.
6. This approval is valid until September 21, 2016.

If you have any questions regarding this approval, please call Van Phan at (909) 396-2563 or send her an e-mail at [vphan@aqmd.gov](mailto:vphan@aqmd.gov).

Sincerely,



Brian L. Yeh  
Senior Manager  
Coating, Printing, Plating, Military  
& Entertainment Operations

**Table I**  
**Push Thru Make-Up Air Unit**

Manufacturer	Model No.	Maximum Blower Capacity (CFM)	Fire Box Dimensions	
			Length (in)	Width (in)
California Spray Booth	YK800	14,000	47	43
Garmat USA	99273 Mechanical	14,000	43	18
GFS-Blowtherm	AH-10	15,000	42	28
	AH-12			
	AHFD2100			
	AHFD2400C			
	AHRC2100-C			
	AHRC2400C			
	BT1200RC			
	GUL 2000			
	2X7.5DF-B			
	2X7.5DF-P			
	2X10DF-B			
2X10DF-C				
Global Spray	Magic Spray	14,500	48	44
Nova Verta	Raptor	12,000	31.5	53
SprayZone	Crossfire	12,900	42	44
USI	RAC100TU+DF-450KWT-ES	11,200	41	39
	RAC125TU+DF-450KWT-ES	14,100	41	39

**Table II**  
**Pull Thru Make-Up Air Unit**

Manufacturer	Model No.	Maximum Blower Capacity (CFM)	Fire Box Dimensions	
			Length (in)	Width (in)
Garmat USA	42010	11,000	26	20
	42106			
	42106X			
	48106			
	48106X			
	46008			
	46008X	12,000	26	20
GFS	Space Saver	12,000	29	49.75
SprayZone	Cure Zone 1M	12,000	29	44