



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

May 31, 2017

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

Dear Mr. Aiello:

Subject: Approval of Rule 1147 Certification Request (Application No. 589401)

The South Coast Air Quality Management District has completed our review of your report entitled "NOx 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 January 21, 2017 and additional information submitted by e-mail on February 8, 2017. The emission tests were performed according to Rule 1147 section (e). The results of the testing performed indicate that the Midco Model LNB 500 burner has NOx emissions of less than 30 ppm @ 3% O₂, in compliance with Rule 1147, section (c)(1). As a result, the make-up air units (AMU) for automotive spray booths identified in the attached Table I and Table II, that are equipped with the Midco LNB 500 burner, are approved for operation pursuant to Rule 1147 - NOx Reductions from Miscellaneous Sources, section (c)(11), Compliance by Certification. This approval is subject to the following condition:

1. Midco International Inc. shall supply written notification with each Midco Model LNB 500 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 500 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 500 burner shall be equipped with a limiting gas orifice (Part No. 5246-85) and EBM combustion blower Model No. RG175/2000-3633 (Part No. 8435-30). The nipple housing the limiting gas orifice shall be yellow in color with gas flow directional arrows. The gas orifice shall be set at the factory and designed in a manner that the end users cannot physically make any adjustment.

Cleaning the air that we breathe...

4. The Midco Model LNB 500 burner factory preassembled section shown in Figure 4b - LNB 500 Piping of the instruction manual shall be installed as shipped. Midco International Inc. shall supply written notification with each Midco Model LNB 500 burner sold stating that any modification to the preassembled section shown will invalidate the AMU certification.
5. The make-up air units listed in Tables I and II shall have a permanent label identifying the unit and the District certification status. The label shall be placed in a conspicuous location and at a minimum shall have the following information:

AMU Manufacturer:
AMU Model Number:
AMU Serial Number:
AMU Maximum Airflow (SCFM):
Burner Manufacturer:
Burner Model Number:
Burner Serial Number:
Burner Maximum BTU/Hr Rating:

6. This approval is only valid for the Midco Model LNB 500 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 prior to the modification.
7. This approval is valid until May 31, 2022.

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.

Sincerely,



Mitch Haimov, M.S.
Senior Air Quality Engineering Manager
Coating, Printing, Plating,
Military & Entertainment Operations

Table I
Push Thru Make-Up Air Unit – LNB 500

Manufacturer	Model No.	Maximum Blower Capacity (CFM)	Fire Box Dimensions	
			Length (in)	Width (in)
Spray Zone	Crossfire	12,900	42	44
USI of North America	RAC 100TU+DF-450KWT-ES	11,200	41	39

Table II
Pull Thru Make-Up Air Unit – LNB 500

Manufacturer	Model No.	Maximum Blower Capacity (CFM)	Fire Box Dimensions	
			Length (in)	Width (in)
Bananza	B-650	10,000	49	44
	B-1000	14,000	49	44
CUREZONE INC	CZ-PT-LNB500	12,500	42	44
Garmat USA	99070 NOx	8,000	21	28
	42010 NOx	10,000	26	20
	42106 NOx	11,000	26	20
	46008 NOx	12,000	26	20
	48106 NOx	11,000	26	20
Global Finishing Solutions	AHRC2400-D	15,800	72	27
	AHRC2400-H	15,800	72	27
	AHRC2400-V	15,800	72	27
Junair	1 Series	14,000	32	32
MDI Spray Systems	MDI-0.5MM-10	10,000	41	26
Rapid Engineering	2010	10,000	49	44
	2010B	14,000	49	44
Spray Zone	Cure Zone 500	12,000	42	44
Spray-Tech	M1LN Series	14,000	28	36
Thermoair	TA500	14,000	96	52
Titan	TA-120 HRD	15,000	32	36
Weather-Rite	TT118	10,000	90	60
	TT212	8,000	58	60
	XT-115	10,000	49	44
	XT-118	14,000	49	44