



South Coast Air Quality Management District

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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. 589402)

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 1000 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 1000 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 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. 5246-64) and EBM combustion blower Model No. G1G170-AB05-20 (Part No. 8435-23). 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 1000 burner factory preassembled section shown in Figure 4a - LNB 1000 Piping of the instruction manual shall be installed as shipped. Midco International Inc. shall supply written notification with each Midco Model LNB 1000 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 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 and 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 1000

Manufacturer	Model No.	Maximum Blower Capacity (CFM)	Fire Box Dimensions	
			Length (in)	Width (in)
Blowtherm	GUL2000BT	14,100	54	42
CUREZONE INC	CZ-PT-LNB1000	12,500	36	36
	CZ-PST-LNB1000	13,500	52	52
	CZ-PSTC-LNB1000	16,500	59	42
Garmat USA	99273 NOx	18,000	43	18
	99375	28,000	58	24
Global Finishing Solutions	BT1200FD	15,205	28	43
	BT1200RC	15,205	28	43
	GUL2000	15,205	28	43
Junair	1 Series	15,000	32	32
SAIMA of North America	Accudraft QNT-1-20	20,000	45	62
Spray-Tech	M1LN Series	15,000	28	36
Thermoair	TA1000	14,000	96	52
USI of North America	RAC 150TU+DF-450KWT-ES	16,500	67	52

Table II
Pull Thru Make-Up Air Unit – LNB 1000

Manufacturer	Model No.	Maximum Blower Capacity (CFM)	Fire Box Dimensions	
			Length (in)	Width (in)
Ameri-Cure, Inc	AM13000-LNB	11,000	69	61
Banza	B-2000	25,000	53	56
CUREZONE INC	CZ-PLT-LNB1000	13,500	52	52
	CZ-PLTC-LNB1000	16,500	59	42
Global Finishing Solutions	AHFD2400-D	15,800	72	27
	AHFD2400-H	15,800	72	27
	AHFD2400-V	15,800	72	27
MDI Spray Systems	MDI-1MM-15	15,000	41	26
Rapid Engineering	2020	25,000	53	56
Spray-Tech	M2LN Series	28,000	35	46
Titan	TA-122-HRH AMU	18,000	32	36
	TA-127-HRH AMU	25,000	32	60
Weather-Rite	218	20,000	62	72
	TT215	12,000	58	72
	XT-125	25,000	53	56