



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
 280 Broadway, New York, NY 10007
 Patricia Lancaster, FAIA, Commissioner
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 558-06-E

Manufacturer: GFS Manufacturing S DE R.L. DE C.V., Calle Hera #609, Cd. Guadalupe, NL MEXICO 67110

Trade Name(s): Global Finishing Solutions

Product: Paint spray booths

Pertinent Code Section(s): 27-406 through 27-412 & 353-30-SR; 27-800, 27-826; RS14

Prescribed Test(s): NFPA 33/2003, NFPA 91/1999 and CR 90-003

Laboratory: Intertek Testing Services

Test Report(s): 3082528-001 issued November 17, 2005, issued April 11, 2007

Products Covered:

Model Nos.	Type of Paint Spray Booths
SLSD-26PSB, SLSD-26NSB, SLSD-26PDT, SLSD-26NDT; SLSD-26PSB-VS-CP2, SLSD-26PSB-HS-CP2; SLSD-26PDT-VS-CP3, SLSD-26PDT-HS-CP3, SLSD-26PSB-VF-CP2, SLSD-26PSB-HF-CP2, SLSD-26PDT-VF-CP3, SLSD-26PDT-HF-CP3	Side-Downdraft Models
SLSM-26PSB, SLSM-26NSB, SLSM-26PDT, SLSM-26NDT; SLSM-26PSB-VS-CP, SLSM-26PSB-HS-CP, SLSM-26PDT-VS-CP, SLSM-26PDT-HS-CP, SLSM-26PSB-VF-CP, SLSM-26PSB-HS-CP, SLSM-26PDT-VF-CP, SLSM-26PDT-HF-CP	Semi-Downdraft Models
SLCD-26PSB, SLCD-26NSB, SLCD-26PDT, SLCD-26NDT; SLSC-26PSB-VS-CP, SLCD-26PSB-HS-CP, SLCD-26PDT-VS-CP, SLCD-26PDT-HS-CP, SLCD-26PSB-VF-CP, SLCD-26PSB-HF-CP, SLCD-26PDT-VF-CP, SLCD-26PDT-HF-CP	Crossdraft Models

Description: The products mentioned above are paint spray booths. They are erected on-site and permanently connected to the power source. A makeup air heater pre-conditions the air used for ventilation and curing and is directly connected to the booth through permanently installed ducts and dampers. The Global Finishing Solutions models are gas-fired automobile combination spray booths. The paint spray booths are used for duplicating original manufacturers' painted finishes on automobiles. The equipment may vary in different lengths and heights to accommodate the industry needs.

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections Letter dated March 19, 2007, F.P. Index #0611020A.

Terms and Conditions: The above units are accepted on condition that:

1. Installation shall comply with applicable New York City codes, rules, regulations, etc., and in particular with the applicable requirements of 2RNYC §18-01 paint spray/gas-fired drying oven requirements of the New York City Building Code Subchapter 7, Article 3 "Occupancies Involving Spray or Dip-finishing".
2. The heater unit is for use with piped (utility) natural gas only. Use with LPG (including propane) is prohibited.
3. The natural gas supply to the burners shall comply with 2RNYC §18-01 and NYC Building Code requirements.
4. Opening of the doors shall automatically cut off the spray gun.
5. The booth is recommended for approval with the "Titan" gas-fired air heater, Model TAP-120. The heater should be an MEA-listed model.
6. Controls for safety exhaust shall be properly interlocked with the gas supply line, so that when the gas is flowing, the fans are in operation. A time delay shall be incorporated to provide a minimum of four oven-volume changes with fresh air.
7. The combination spray booth is classified as High Hazard occupancy. For installation of a combination spray and bake booth, the detailed installation plans approved by the Department of Buildings shall be submitted to the Fire Department for approval. Plans shall include details of the sprinkler protection provided inside the booth. Sprinkler installation shall comply with the applicable Building Code requirements.
8. All spray booth installations shall be field-tested by a New York State-licensed professional engineer to ensure compliance with the ventilation requirements of NYC Board of Standards and Appeals – 2RNYC §18-01(c), the ventilation system shall provide an air velocity of at least 100 linear feet per minute in breathing zone

of the operator. Ventilation shall be provided of sufficient capacity to maintain the booth vapor concentration at less than 25% of the lower explosive limit of the solvent used, at all times, including during the spray cycle and the bake cycle.

9. Air-intake filters shall be the type listed as Class 1 or Class 2 in accordance with UL 900.
10. Manufacturer's installation/operation/maintenance instructions shall be followed, and the testing laboratory's requirements including testing and follow-up procedures shall be followed.
11. A high temperature cut-off switch shall be provide to prevent the inside temperature of the booth from exceeding 200°F. Maximum surface temperature of the outside walls shall not exceed 140°F and 160°F at the base.
12. Interlocks shall be provided such that spraying apparatus cannot be operated when the drying is in operation or is energized.
13. Safety features as mentioned in 2RNYC §18-01(3) are provided for the burner.
14. The burner section is separated from the spraying area by fireproof construction.
15. All electrical wiring and equipment shall be installed in accordance with the NYC Electrical Code and shall meet the requirements of the NYC Board of Standards and Appeals – 2RNYC §18-01.
16. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board prior to installation. The electrical installation shall be subjected to inspection and approval by the Electrical Division of the NYC Department of Buildings.
17. The installation shall be subjected to inspection and approval by the Bureau of Fire Prevention – District Office, for the purpose of obtaining necessary permits. A Fire Department – issued certificate of fitness is required to supervise paint spray operations.
18. In accordance with 2RNYC §18-01(c), exhaust fan control shall be interconnected with spray gun so as to operate simultaneously. Exhaust fan shall be arranged to operate independently of the spray gun.
19. Flammable wastes shall be disposed of in accordance with the applicable New York City, New York State, and/or Federal regulations.
20. No open flames or devices creating open flames or arcs shall be maintained within 26 feet of the spray process.
21. No combustible material shall be stored or maintained within 25 feet of the spray process.

- 22. No combustible material shall be stored or maintained within 15 feet of the spray booth.
- 23. Warning signs, including "Disconnect and Remove Battery Before Pushing Car into Booth," must be displayed conspicuously. Suitable "No Smoking" signs with letters at least two inches high shall be posted at entrances to the spray booth.
- 24. All shipments and deliveries of such units shall be provided with a metal tag, suitably placed, certifying that the units shipped or delivered are equivalent to those tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance June 15, 2007.

Examined By Donald [Signature]