



# 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 33-07-E

**Manufacturer:** GFS Manufacturing S. DE R.L. DE C.V., Parcela 5 Edificio 1 Heras, Nos. 609 Parque Industrial Kalos, Cuidad Guadalupe, N.L., Mexico 67190

**Trade Name(s):** Global Finishing Solutions

**Product:** Direct gas-fired industrial air heaters

**Pertinent Code Section(s):** 27-800, 27-825, RS 14-2 (ANSI Z223.1) ANSI Z83.18.2000; ANSI Z83.4 1999; CSA 3.7M99

**Prescribed Test(s):** RS 14-6 (83.18)

**Laboratory:** Intertek ETL-Semko

**Test Report(s):** 3049856-5, dated November 11, 2005  
3049856-6, dated November 11, 2005

**Description:** The direct gas-fired industrial air heaters, powered with natural gas, are intended for indoor location to supply make-up air to commercial and industrial installation. These heaters can operate in vertical recirculation or vertical non-recirculation forced-dry modes. All heaters draw air through upwards and discharge horizontally. The air may enter the heater through a pit located under the heater or through the side at the bottom of the heater. Forced-dry uses a discharge damper models or variable frequency drives and air sensing devices to achieve variable air volumes. Units, with model numbers and input heating, are listed below:

Model No.	Input Heating Rating (BTUH)
GUL2000	350,000 – 1,500,000
GUL2000C	350,000 – 1,500,000
AHRC2100C	350,000 – 1,500,000
AHFD2100C	350,000 – 1,500,000
AHFD2100CH	350,000 – 1,500,000

**Terms and Conditions:** The above-described direct gas-fired make-up air heaters are accepted on the following conditions:

1. Units shall be operated with natural gas only.
2. Units shall not be operated until installation is approved for such operation by the Gas Company.
3. Minimum installed clearances from combustible construction shall be in accordance with RS 14-15 of the New York City Building Code.
4. **Spacing:** In primary circuits, minimum spacing is maintained through air and over surfaces of insulating material between current-carrying parts and dead-metal parts.
5. **Mechanical Assembly:** Components such as switches, fuse holders, connectors, wiring terminals and display lamps are reliably mounted and prevented from shifting or rotating by lock-washers, star-washers, or the mounting format.
6. **Corrosion Protection:** All ferrous metal parts are suitable protected against corrosion by painting, plating or the equivalent.
7. **Grounding:** All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed to contact during any servicing operation and that are likely to become energized are reliably connected to the grounding lead of the power supply cord or the equipment grounding terminal.
8. **Internal Wiring:** Internal wiring is reliably routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets.
9. **Accessibility of Live Parts:** All uninsulated live parts in primary circuitry are housed within a metal or plastic enclosure constructed such that any openings are not penetrable by the probe.
10. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board.
11. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.

Final Acceptance March 2, 2007

Examined By Simon Derkshon