



# FDNY

**BUREAU OF FIRE PREVENTION**

9 Metro Tech Center, 3rd Floor  
Brooklyn, NY, 11201

To: David Reichard  
From: New York City Fire Department  
Date: Oct 19, 2021  
Record ID: 2021-TMCOAP-008725-RENL



Premises Address: 201 Dutton Ave Buffalo, NY 14211

BIN

Application Type: Certificate of Approval

Renewal

Result: Certificate of Approval

## CERTIFICATE OF APPROVAL # 5120

**THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE  
AND EXPIRES ON October 18, 2024**

By order of Fire Commissioner, Daniel A. Nigro, and pursuant to Section 112 of the New York City Fire Code, the following equipment or material may be acceptable for use provided the conditions outlined below are in full compliance.

**Manufacturer:** Gas Technology Energy Concepts, LLC

**Trade Name:** G-TEC Natural Gas System

**Products:** Natural gas torch booster for the jewelry torches

**Model Numbers:** TB-15 and TB-30

**Pertinent Code Sections:** New York City Fire Code Section 2609 and Fire Department rule 3 RCNY Section 2609-01

**Laboratory:** CSA International

**Test Report:** No. 1046907 - last issue date January 19, 2005



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## Conditions of Approval

1. Prior to the installation of the above-reference natural gas torch booster, plans shall be filed with and accepted by the New York City Department of Buildings (DOB). A copy of the DOB docketed (Stamped, numbered, and dated) plans shall be transmitted to the New York City Fire Department for review and acceptance.
2. In order to meet the requirements of Title 3 of the Rules of the City of New York, section 2609-01(e)(3), the G-TEC torch booster shall be equipped with a UL listed Conoflow ITT pressure regulator, part number GH10XT2500C. This regulator will restrict outlet pressure from the torch booster to a maximum of 15 psig and is to be supplied by G-TEC as part of the torch booster package. This regulator shall be directly mounted to the outlet bulkhead of the torch booster and before the UL listed combination flashback arrestor and backflow check valve.
3. After installation the above-referenced natural gas torch booster shall not be used until the required New York City Fire Department use permit has been issued. Please call 718-999-2464 for additional information.
4. For the jewelry torches operation, a UL listed combination flashback arrestor and backflow check valve shall be installed:
  - (A) On the oxygen supply line, between the final oxygen supply pressure regulator and each fuel consuming device.
  - (B) On the natural gas supply line, between the final natural gas supply pressure regulator and the fuel consuming devices.
5. The use of torch boosters shall comply with all applicable New York City Fire Code, Construction Codes, Electrical Code, rules and regulations, including, but not limited to, New York City Fire Department rule 3 RCNY Section 2609-01 and NFPA 51 Standard. Torch boosters are for indoor use only at a location acceptable to the Department of Buildings and Fire Department.
6. The operation of this equipment shall be under the supervision of a person holding a Certificate of Fitness from the Fire Department. Please call (718) 999-1998 to obtain detailed information on how to obtain Certificate of Fitness.
7. Hose and hose connections between torch booster to the jewelry torch, shall comply with CGA E-1. Standard Connections for Regulator Outlets, Torches and Fitted Hose for Welding and Cutting Equipment. The length of the hose/tubing shall be as short as practical but in no case exceeds eight (8) feet. Only approved/listed torches can be used with the torch booster.
8. Torch booster shall be installed indoors in a well-ventilated area above ground level. The fan intakes and panel vents must be kept free of objects and materials that could restrict the flow of ventilation air. A minimum clearance of twelve (12) inches must be maintained around the fans and vent louvers for proper ventilation.
9. Torch booster should be installed away from high traffic areas. The space in which the G-TEC Natural Gas torch booster is installed shall be maintained at a minimum ambient temperature of 40°F.
10. Permanent decal or label shall be on each torch booster indicating "CAUTION- Excessive nuisance shutdowns should be reported to the manufacturer G-TEC".
11. Certificate of Approval number shall be plainly and permanently stamped or otherwise affixed upon each product by the manufacturer/applicant.
12. Torch booster shall have all required approvals and shall meet all applicable Federal and State requirements. The use of this product shall be limited to the indicated intent and has not been acceptable for other uses or applications.
13. Torch boosters shall be CSA International Testing Laboratories listed and manufacturer shall retain follow up services requirements of CSA International Testing Laboratories. CSA International Testing Laboratories' listing requirements and safety limitations shall be complied with.



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14. The Fire Department Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department, but is a certification that your product, as represented, meets the standards as of the date of issuance.

15. Manufacturer's installation, maintenance procedures and safety limitations shall be complied with. G-TEC will notify the end user annually of the required maintenance for the torch booster.

16. Only Department of Buildings approved and CSA International Testing Laboratories recommended piping shall be installed from the utility gas line to the torch booster. Up to 2 jewelry torches are allowed to connect to a model TB-15 torch booster. Up to 4 jewelry torches are allowed to connect to a model TB-30 torch booster.

17. The Fire Department may make periodic inspections at the above-referenced natural gas booster without notice.

18. The Fire Department may withdraw this approval at any time in the event that there is a reasonable doubt that the product does not operate or perform as required by code, the conditions of this resolution or as represented in your application.

19. Any end users who fail to comply with the condition as outlined in the approval will be subject to enforcement action which may include fines and imprisonment.

Any change in company name or ownership, product name, material of construction, product design, or model number of any product included on this certificate must be immediately reported to this Department in writing.

KC: JN

By Order of,  
Chief of Fire Prevention