# CERTIFICATE OF CONFORMITY

FM Approvals

1. **FIRE PROTECTION EQUIPMENT**
2. **Certificate No:** **FM24FPUS0016**
3. **Equipment:**
   **(Type Reference and Name)** **Model GPx(FM) Series Low Voltage Electric Motor Driven Fire Pump Controllers**
4. **Name of Listing Company:** **TornaTech Inc**
5. **Address of Listing Company:** **4100 Desserte Sud, (A-440 Ouest) Laval, Quebec H7T 0H3, Canada**
6. The examination and test results are recorded in confidential report number:

   3032642 dated 1st July 2010

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

   FM 1321, 1323: 2024

8. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
9. Approval Guide Listing Category:

   Fire Pump Controllers, Full Service Electric Motors

**Certificate issued by:**

J.E. Marquedant
VP, Manager - Electrical Systems

6 January 2026
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA
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10. **Description of Equipment:**

Approved locations:

| Design | Manufacturing |
|---|---|
| Tornatech Inc<br>4100 Desserte Sud, (A-440 Quest)<br>Laval, QC H7T 0H3<br>Canada | Tornatech Inc<br>4100 Desserte Sud, (A-440 Quest)<br>Laval, QC H7T 0H3<br>Canada<br><br>Tornatech FZE<br>PO Box 18435<br>Plot No S10131, Jebel Ali South<br>Dubai AE<br><br>Tornatech Europe SA<br>Rue des Sablières numéro 45 Unité 68<br>Mont-Saint-Guibert<br>1435, Belgium |

See Annex for product description

11. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

12. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

13. **Certificate History**

Details of the supplements to this certificate are described below:

| Date | Description |
|---|---|
| xxxxx | Original Issue. |
| 1 July 2010 to 24 April 2018 | Supplement 1-10:<br>Report Reference: 3032642 dated 7/1/2010 to 3062006 dated 4/24/18<br>Description of the Change(s): Samples of the GPx Series electric motor driven fire pump controllers with alternate components were submitted for examination and testing. |

| Date | Description |
|---|---|
| 20 February 2024 | Supplement 11:<br>Report Reference: PR466571 dated 20 February 2024.<br>Description of the Change(s): Approval of their Model GPS(FM) Series low voltage electric motor driven fire pump controllers with an alternate soft starter. |
| 15 May 2024 | Supplement 12:<br>Report Reference: RR241399 dated 15 May 2024.<br>Description of the Change(s): Expand the product offering to have a 208V 400 HP, 220/240V 500 HP and 600V 560kw product offering. Short circuit testing was performed in project PR466571 and a thermal evaluation was performed using prior data from PDR3032642, reference data in this revision request. |
| 1 November 2024 | Supplement 13:<br>Report Reference: RR243289 dated 1 November 2024.<br>Description of the Change(s): Update format and TornaTech FZE address per PR469137. Make correction to project number and date referenced in supplement history table entry 1-10. |
| 22 September 2025 | Supplement 14:<br>Report Reference: PR472576 dated 22 September 2025.<br>Description of the Change(s): Add optional cellular antenna. |
| 6 January 2026 | Supplement 15:<br>Report Reference: RR249051 dated 6 January 2026.<br>Description of the Change(s): Add 4 model numbers with the voltage stated as a range vs a specific voltage and list the frequency as a range. |

# ANNEX

## Model GPx

### Description of Equipment:

**Model GPx-a/(b or c)/d/e Electric Motor Fire Pump Controller - Low Voltage**
Standard Enclosure: NEMA/UL Type 2. Optional Enclosures: NEMA/UL Types 3, 3R, 4, 4X, 12
Standard Ambient Temperature Operating Range: 39°F (4°C) to 104°F (40°C)
Optional Ambient Temperature Operating Range: 39°F (4°C) to 131°F (55°C) (See Remarks)

| ***x =*** ***Model*** | ***a =*** ***Voltage, Vac*** | ***b =*** ***Horsepower or Kilowatt*** | ***c =*** ***Minimum to Maximum Full Load Current*** |
|---|---|---|---|
| A - Across the Line<br>R - Autotransformer<br>S - Soft Starter<br>P - Part Winding<br>V - Primary Resistor<br>Y - Wye Delta Open Transition<br>W - Wye Delta Closed Transition | 208,<br>220, 230, 240, 220-240<br>380, 400, 415, 380-415<br>440, 460, 480, 440-480<br>550, 575, 600, 550-600 | 3 to 200 HP (208 V)<br>3 to 400HP (220 - 240 V)<br>3 to 500 HP (380 - 415 V)<br>3 to 500 HP (440 - 480 V)<br>4kW to 560kW (380 – 415V)<br>3 to 500 HP (550 - 600 V) | *For motors rated in kW<br>For voltages other than 380 – 415V |
| *d = Number of Phases* | | *e = Frequency* | |
| 1 - Single Phase System<br>3 - Three Phase System | | 50 - 50 Hz<br>60 - 60 Hz<br>50/60 (50 to 60 Hz)<br>50-60 (50 to 60 Hz) | |

***Remarks:***
*a. Model GPx Series controllers larger than 190 FLA require the inclusion of a fan(s) inside the enclosure to maintain the optional 131°F (55°C) maximum ambient temperature rating. This modification is only Approved when installed by the manufacturer.*

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## Model GPx+GP

### Description of Equipment:

***Model GPx+GPa-b/(c or d)/e/f Electric Motor Fire Pump Controller with Automatic Transfer Switch - Low Voltage***
Standard Enclosure: NEMA/UL Type 2. Optional Enclosures: NEMA/UL Types 3, 3R, 4, 4X, 12
Standard Ambient Temperature Operating Range: 39°F (4°C) to 104°F (40°C)
Optional Ambient Temperature Operating Range: 39°F (4°C) to 131°F (55°C) (See Remarks)



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| ***x* = *Pump Controller Model*** | ***a* = *Transfer Switch Model*** | ***b* = *Voltage, Vac*** | ***c* = *Horsepower or Kilowatt*** |
|---|---|---|---|
| A - Across the Line<br>R - Autotransformer<br>S - Soft Starter<br>P - Part Winding<br>V - Primary Resistor<br>Y - Wye Delta Open Transition<br>W - Wye Delta Closed Transition | G - generator set emergency supply<br>U - second utility emergency supply | 208,<br>220, 230, 240, 220-240<br>380, 400, 415, 380-415<br>440, 460, 480, 440-480<br>550, 575, 600, 550-600 | 3 to 200 HP (208 V)<br>3 to 400 HP (220 - 240 V)<br>3 to 500 HP (380 - 415 V)<br>3 to 500 HP (440 - 480 V)<br>4kW to 560kW (380 – 415V)<br>3 to 500 HP (550 - 600 V) |
| *d = Minimum to Maximum Full Load Current* | *e = Number of Phases* | *f = Frequency* | |
| * For motors rated in kW<br>For voltages other than 380 – 415V | 1 - Single Phase System<br>3 - Three Phase System | 50 - 50 Hz<br>60 - 60 Hz<br>50/60 (50 to 60 Hz)<br>50-60 (50 to 60 Hz) | |

**Remarks:**
*a. Model GPx Series controllers larger than 190 FLA require the inclusion of a fan(s) inside the enclosure to maintain the optional 131°F (55°C) maximum ambient temperature rating. This modification is only Approved when installed by the manufacturer.*

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## Model GPxe

### Description of Equipment:

***Model GPxe-a/(b or c)/d/e Electric Motor Fire Pump Controller - Low Voltage***
Standard Enclosure: NEMA/UL Type 2. Optional Enclosures: NEMA/UL Types 3, 3R, 4, 4X, 12
Standard Ambient Temperature Operating Range: 39°F (4°C) to 104°F (40°C)
Optional Ambient Temperature Operating Range: 39°F (4°C) to 131°F (55°C) (See Remarks)

| ***x* = *Model*** | ***a* = *Voltage, Vac*** | ***b* = *Horsepower or Kilowatt*** | ***c* = *Minimum to Maximum Full Load Current*** |
|---|---|---|---|
| A - Across the Line<br>Y - Wye Delta Open Transition | 208,<br>220, 230, 240, 220-240<br>380, 400, 415, 380-415<br>440, 460, 480, 440-480<br>550, 575, 600, 550-600 | 3 to 200 HP (208 V)<br>3 to 400HP (220 - 240 V)<br>3 to 500 HP (380 - 415 V)<br>3 to 500 HP (440 - 480 V)<br>3 to 500 HP (550 - 600 V)<br>4kW to 560kW (380 – 415V) | *For motors rated in kW<br>For voltages other than 380 – 415V |



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| *d = Number of Phases* | *e = Frequency* |
|---|---|
| 1 - Single Phase System<br>3 - Three Phase System | 50 - 50 Hz<br>60 - 60 Hz<br>50/60 (50 to 60 Hz)<br>50-60 (50 to 60 Hz) |

***Remarks:***
*a. Model GPxe Series controllers larger than 190 FLA require the inclusion of a fan(s) inside the enclosure to maintain the optional 131°F (55°C) maximum ambient temperature rating. This modification is only Approved when installed by the manufacturer.*

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## Model GPxFM

### Description of Equipment:

***Model GPxFM-a/(b or c)/d/e Electric Motor Fire Pump Controller - Low Voltage, FM Approved Only***
Standard Enclosure: NEMA/UL Type 2. Optional Enclosures: NEMA/UL Types 3, 3R, 4, 4X, 12
Standard Ambient Temperature Operating Range: 39°F (4°C) to 104°F (40°C)
Optional Ambient Temperature Operating Range: 39°F (4°C) to 131°F (55°C) (See Remarks)

| ***x =*** ***Model*** | ***a =*** ***Voltage, Vac*** | ***b =*** ***Horsepower or Kilowatt*** | ***c =*** ***Minimum to Maximum Full Load Current*** |
|---|---|---|---|
| A - Across the Line<br>R - Autotransformer<br>S - Soft Starter<br>P - Part Winding<br>V - Primary Resistor<br>Y - Wye Delta Open Transition<br>W - Wye Delta Closed Transition | 208,<br>220, 230, 240, 220-240<br>380, 400, 415, 380-415<br>440, 460, 480, 440-480<br>550, 575, 600, 550-600 | 3 to 200 HP (208 V)<br>3 to 400HP (220 - 240 V)<br>3 to 500 HP (380 - 415 V)<br>3 to 500 HP (440 - 480 V)<br>3 to 500 HP (550 - 600 V)<br>4kW to 560kW (380 – 415V) | *For motors rated in kW<br>For voltages other than 380 – 415V |
| *d = Number of Phases* | | *e = Frequency* | |
| 1 - Single Phase System<br>3 - Three Phase System | | 50 - 50 Hz<br>60 - 60 Hz<br>50/60 (50 to 60 Hz)<br>50-60 (50 to 60 Hz) | |

**Remarks:**
*a. Model GPx Series controllers larger than 190 FLA require the inclusion of a fan(s) inside the enclosure to maintain the optional 131°F (55°C) maximum ambient temperature rating. This modification is only Approved when installed by the manufacturer.*



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