

1. FIRE PROTECTION EQUIPMENT

2. Certificate No:

FM24US0221

3. Equipment:

(Type Reference and Name)

Model GPD(FM) Series Controllers for Diesel Engine

Driven Fire Pumps

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:

3016904 dated 6th April 2015

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: 2018

- 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, Diesel Engines

Certificate issued by:

9.8. Marquestint

J.E. Marquedant

VP, Manager - Electrical Systems

1 November 2024

Date

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

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA
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F 320 (Jul 24)





US Certificate of Conformity No: FM24US0221

10. Description of Equipment:

Approved locations:

Design	Manufacturing	
Tornatech Inc 4100 Desserte Sud, (A-440 Quest) Laval, QC H7T OH3 Canada	Tornatech Inc 4100 Desserte Sud, (A-440 Quest) Laval, QC H7T 0H3 Canada Tornatech FZE PO Box 18435 Plot No S10131, Jebel Ali South Dubai AE Tornatech Europe SA Rue des Sablières numéro 45 Unité 68 Mont-Saint-Guibert 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

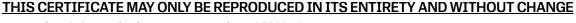
A copy of the technical documentation has been kept by FM Approvals.

13. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
6 April 2015	Original Issue.
10 May 2016	Supplement 1: Report Reference: 3056317 dated 10 of May 2016 Description of the Change(s): Approval of GPx, GPD, MPA Series with alternate control (ViZiTouch 2.0)

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





CERTIFICATE OF CONFORMITY US Certificate of Conformity No: FM24US0221



Date	Description
22 June 2023	Supplement 2: Report Reference: PR465046 dated 22 June 2023. Description of the Change(s): Add alternate pressure transducer.
1 November 2024	Supplement 3: Report Reference: RR243289 dated 1 November 2024 Description of the Change(s): Update format and TornaTech FZE address per PR469137.





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Approvals

US Certificate of Conformity No: FM24US0221

ANNEX

Model GPD(FM)

Description of Equipment:

Approved locations:

Design	Manufacturing	
Tornatech Inc 4100 Desserte Sud, (A-440 Quest) Laval, QC H7T OH3 Canada	Tornatech Inc 4100 Desserte Sud, (A-440 Quest) Laval, QC H7T 0H3 Canada	
	Tornatech FZE PO Box 18435 Plot No S10131, Jebel Ali South Dubai AE	
	Tornatech Europe SA Rue des Sablières numéro 45 Unité 68 Mont-Saint-Guibert 1435, Belgium	

See Annex for product description

Model GPD(FM)-a-b-c Diesel Engine Fire Pump Controller with ViZiTouch Control

Standard Enclosure: NEMA/UL Type 2.

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)

a = Voltage, Vdc	b = Voltage Input, Vac	c = Options	
12 - 12 VDC	120 - 110-120V / 50-60Hz		
24 - 24 VDC	220 - 208-240V / 50-60Hz	240V / 50-60Hz	

Note: Both GPD and GPDFM models are FM Approved.

Remarks:

a. Model GPD Series controllers require the installation of a NEMA rated filter fan to maintain the optional 131°F (55°C) maximum ambient temperature rating. This modification is only Approved when installed by the manufacturer.

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

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US Certificate of Conformity No: FM24US0221

b. When Model GPD Series controllers are equipped with EBCH1210T, EBCH2410T, 1BAT004 or 1BAT005 battery chargers, the installation of the NEMA rated filter fan is not required for a 131°F (55°C) maximum ambient temperature rating.

Model GPD(FM)

Description of Equipment:

Model GPD(FM)-a-b-c-BCE10-d Diesel Engine Fire Pump Controller, 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)

a =	b =	c =	d =
System Ground	Voltage, Vdc	Mounting Type	Voltage Input, Vac
N - Negative Ground P - Positive Ground	12 - 12 VDC 24 - 24 VDC	W - Wall Mounted F - Floor Mounted	110 - 110-120V / 50-60Hz 220 - 208-240V / 50- 60Hz 240 - 208-240V / 50- 60Hz

Note: Both GPD and GPDFM models are FM Approved.

Remarks:

a. Model GPD Series controllers require the installation of a NEMA rated filter fan to maintain the optional 131°F (55°C) maximum ambient temperature rating. This modification is only Approved when installed by the manufacturer.

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

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