

CERTIFICATE OF CONFORMITY



1. FIRE PROTECTION EQUIPMENT

2. Certificate No: FM25US0158

3. Equipment:
(Type Reference and Name) Model SFC C900-D-N Series Diesel Fire Pump
Controllers

4. Name of Listing Company: SVE SL

5. Address of Listing Company: Albert Einstein 36B, Parque Tecnológico Alava,
Vitoria-Gasteiz, 01510, Spain

6. The examination and test results are recorded in confidential report number:

PR466263 dated 17 September 2025

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, ANSI/UL 50E:2020 (R2024)

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:

J.E. Marquedant
VP, Manager - Electrical Systems

17 September 2025

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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10. Description of Equipment:

General:

The Model SFC C900-D-N Series Diesel Fire Pump Controllers are designed to control and monitor 12 and 24 volt, diesel fire pump engines.

The Model SFC C900-D-N Series Diesel Fire Pump Controllers are based on 32-bit microprocessor.

A UI interface is used to program and set up the product for operation.

A high-decibel buzzer is integrated on the front of the panel.

The main display provides the operator interface for all visual indicators and alarms. There are membrane style buttons for accessing the home screen, Crank 1 BAT, Crank 2 BAT, Stop and Test functions. The screen displays the mode status of the controller, the voltage and current of the 2 batteries, the date and time, and the system water pressure. The visual alarm and status indicators are located in the lower half of the main display panel. The visual alarm indicator displays red color identifiers to indicate the urgency of the alarm, where green indicates normal operating conditions, yellow indicates warning alarms, and red indicates critical alarms.

The Model SFC C900-D-N Series Diesel Fire Pump Controller uses a Dwyer pressure transducer, as listed in Table 2.2 below, to sense the fire protection system water pressure in order to initiate automatic starting of the electric motor upon a loss of system pressure below the user selectable pressure start threshold.

Table 2.2			
Model	Pressure Rating, psi (bar)	Supply Power	Signal Output
Dwyer Series 628	300 (20) 600 (40)	10 – 30VDC	4 – 20 mA

Equipment Ratings:

The Model SFC C900-D-N Series Diesel Fire Pump Controller is rated for the following parameters:

- 230 V Line voltage, 10 Amp, 50-60 Hz.
- Maximum pressure of 300 psi (20 bar) and 600 psi (40 bar).
- Water ingress protection of Type 2.
- Ambient Temperature of -5°C to +40°C.

The Model SFC C900-D-N Series Diesel Fire Pump Controller is rated for the following parameters:

Ambient Temperature Operating Range:	-5°C to +40°C		
Line Voltage	230 V	Phase/Hz	1 phase/50-60 Hz
Full Charge	12 AAC Max.	Max. Pressure	300/600 psi
VDC	12-24 V	Temp.	Listed above

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Amperage	10 A	Enclosure Assembly	Type 2
EMC	Emission Complies Environment B / Immunity Complies Environment A		

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
17 September 2025	Original Issue.

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