

DIESEL FIRE BOOSTER SYSTEM OPERATING INSTRUCTIONS



Inspections

- 1- Before starting the diesel engine, check the engine oil and engine coolant levels.
- 2- Inspect the diesel engine and pump for any oil or water leaks.
- 3- Check the battery voltage status via the panel screen.
- 4- For engines with heat exchangers, ensure that the cooling water line filter is clean.
- 5- Check the pump for leaks.
- 6- Check the connections and fittings.



Manual Operation

- 1- Set the switch on the fire panel to manual mode.
- 2- Press and hold either the "Start A" or "Start B" button on the panel until the diesel engine starts running.
- 3- Once the engine is running, check again for oil and water leaks.
- 4- For engines with heat exchangers, ensure water is flowing out of the cooling water outlet.
- 5- To stop the engine, press and hold the red "Stop" button on the panel until the diesel engine stops.



Automatic Operation

- 1- Set the switch on the panel to automatic mode.
- 2- To test the pumps in automatic mode, reduce the system pressure through the bypass line or system to pump activation.
- 3- After the pumps have automatically started (within 20-30 seconds), close the bypass line or test valve, and verify that the pumps stop within the specified time (1 minute).
- 4- After testing the pumps, ensure that the switch is reset to automatic mode.
- 5- When the pumps are automatically activated, they cannot be stopped via the stop button until pressure is restored; to stop them, switch to manual mode first and then press and hold the stop button until the diesel engine stops.

NOTE 1: For water-cooled diesel systems, clean the strainers in the cooling line during the weekly periodic test. Failure to do so may cause the engine to overheat due to clogged filters.

NOTE 2: Check the fuel tank after each test and operation, and ensure it remains full.

MAINTENANCE BY AUTHORIZED SERVICE IS MANDATORY EVERY 6 MONTHS.