ANSUL N-101 Clean Agent Vehicle Fire Suppression System





Features and benefits:

- Durable design ideal for rugged environments
- Wide operating temperature range -65°F to 210°F (-54°C to 99°C)
- Electrically nonconductive agent, best for use in electronic equipment
- Sustainable, naturally occurring gas with zero ozone depletion potential (ODP) and global warming potential (GWP)
- No cleanup necessary and no residue left over from suppression agent
- Manual or automatic detection and actuation

Gaseous clean agent fire suppression system specifically designed for fire protection of electronic equipment on heavy-duty off-road vehicles

The N-101 system has been designed to protect electronic equipment in rugged environments and is well suited for installation on off-road vehicles and heavy-duty equipment. The system uses nitrogen gas to suppress fire on mobile equipment containing electronics that are critical to operation. The nitrogen agent is released from a pressurized cartridge that is connected to a fixed nozzle installed within the electronic enclosure.

The system protects up to 148 ft^3 enclosures with a single agent container. With enclosures larger than 148 ft^3, multiple agent containers can be installed. The N-101 Clean Agent system is a pre-engineered system, designed to be used in conjunction with ANSUL® CHECKFIRE detection and actuation systems for automatic detection and agent release to provide peace of mind and operational continuity.

Learn more at www.ansul.com/vehicle-fire-protection-systems

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Part number	428060	428061
Description	23 ft^3 nitrogen cartridge	55 ft^3 nitrogen cartridge
Agent quantity	23.4 ft^3 (0.66 m^3)	52.3 ft^3 (1.48 m^3)
Weight	30.2 lb (13.7 kg)	42.5 lb (19.3 kg)
Height	29 1/2 in. (794 mm)	29 1/3 in. (744 mm)
Max enclosure volume*	63.5 ft^3 (2.11 m^3)	148.1 ft^3 (4.91 m^3)

* Maximum enclosure volume is dependent on the minimum hazard temperature and the altitude.

ANSUL N-101 product specifications

Total vehicle protection: The N-101 system expands the capability of the ANSUL vehicle system portfolio. The N-101 system can be combined with the CHECKFIRE detection and actuation system and with the LVS NF-40 system to provide a broad fire suppression solution. The combination of these systems provides around-the-clock automatic fire detection, actuation, and suppression to help protect against multiple hazards within the equipment.

System operation: The N-101 system can provide fire suppression via manual-pneumatic operation, using no power source. This method requires personnel to manually operate the system. Alternately, the system may be controlled utilizing one of the CHECKFIRE detection systems. When using the CHECKFIRE system the fire suppression system will be actuated automatically via the electronic controls.

Fit for purpose applications: The N-101 system is well-suited to protect electrical control cabinets on vehciles used in mining, forestry, agribusiness, power generation, transportation, and waste processing.

Nitrogen agent: Nitrogen is the gaseous agent used in the N-101 system that requires no cleanup after the gas has been released.

Sustainability: There are no environmental concerns with the use of nitrogen gas as there is zero ozone depletion (ODP) and zero global warming potential (GWP) from its use.

Brackets: Brackets have been vibration tested to the requirements of the industry standard test protocols and have passed OEM vibration profiles.

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