

Off-Road Vehicle Protection Systems

Off-Road Vehicle Protection Systems are pre-engineered fire extinguishing systems for the protection of mobile industrial machinery, such as is used in the mining and forest products industries. These systems protect individual hazards within the vehicle, including fuel, hydraulic fluid, and lubrication and other flammable leaks and deposits, cable insulation, electrical equipment, and rubber tires. Systems are custom-designed for the hazards to be protected and may use overhead and other local application or total flooding configurations, as recommended in the manufacturer's design, installation, operation, and maintenance (DIOM) manual listed.

Systems are not generally capable of protecting the entire vehicle and subsequent manual firefighting may be necessary for complete extinguishment. Hoses are often used to carry extinguishing agent from the storage containers to the nozzles. System hoses require protection from fire exposure by routing, shielding, or replacement with hard piping, depending on the layout within the vehicle. FM Global recommendations for the application of these systems are provided in Property Loss Prevention Data Sheet 7-40, Heavy Duty Mobile Equipment. This document can be downloaded without charge at www.fmglobal.com

Ansul A-101 Vehicle Fire Suppression Systems

System Designation:	Ansul A-101 Vehicle Fire Suppression Systems
System Type:	Dry Chemical Vehicle Fire Suppression Systems
Agent Identification:	Ansul FORAY® (Monoammonium Phosphate Base)
Expellant Gas:	Carbon Dioxide
Configurations:	A-101-10 – 10 lb System (2 Nozzles Maximum) A-101-20 – 20 lb System (6 Nozzles Maximum for Local Application, 4 Nozzles Maximum for Total Flooding) A-101-30 – 30 lb System (6 Nozzles Maximum for Local Application, 4 Nozzles Maximum for Total Flooding)
Hazard Class:	Class A, B, C
Temperature Range:	32°F to 120°F
Types of Nozzles Available:	Local Application: C-1/2, V-1/2, F-1/2 Total Flooding: F-1/2
Maximum Nozzle Coverage (Local Application):	C-1/2: Cone-Shaped Discharge – 3 ft Diameter at 6 ft Long Maximum Effective Discharge Range V-1/2: 160° Fan-Shaped Discharge – 6 ft Wide x 15 in High x 4 ft Long Maximum Effective Discharge Range F-1/2: 180° Fan-Shaped Discharge – 33 in Wide x 15 in High x 33 in Long Maximum Effective Discharge Range
Maximum Area of Coverage (Total Flooding):	A-101-10 (2 Nozzles Maximum): 350 ft ³ (5 ft x 10 ft x 7 ft high) A-101-20 (4 Nozzles Maximum): 700 ft ³ (10 ft x 10 ft x 7 ft high) A-101-30 (4 Nozzles Maximum): 1000 ft ³ (10 ft x 10 ft x 10 ft high)
	CHECKFIRE Pneumatic Detection and Actuation System per Installation, Inspection, and Maintenance Manual, P/N 55391
	CHECKFIRE Electric Detection and Actuation System – Series I per Installation, Inspection, and Maintenance Manual, P/N 54894
	CHECKFIRE Electric Detection and Actuation System – Series II per Installation, Inspection, and Maintenance Manual, P/N 423522

Detection and Actuation Systems:	CHECKFIRE SC Electric Detection and Actuation System per Installation, Inspection, and Maintenance Manual, P/N 423522
	CHECKFIRE SC-N Electric Detection and Actuation System per Installation, Inspection, and Maintenance Manual, P/N 423522
	CHECKFIRE ASC-N Electric Detection and Actuation System per Installation, Inspection, and Maintenance Manual, P/N 434674
	CHECKFIRE MP-N Electric Detection and Actuation System per Installation, Inspection, and Maintenance Manual, P/N 427310
	CHECKFIRE 110 Electric Detection and Actuation System per Planning Installation, Operation, and Maintenance Manual, P/N 440391
	CHECKFIRE 210 Electric Detection and Actuation System per Planning Installation, Operation, and Maintenance Manual, P/N 440392
Design, Installation, Operation, and Maintenance Manual:	Installation, Recharge, Inspection, and Maintenance Manual, P/N 24327, Rev. 9
Limitations or Exceptions to the Approval:	A-101 Systems are not Approved for Protection of Deep-Seated Class A Materials, Class D Materials, or Chemicals Capable of Rapid Oxidation
	Further Limitations as Specified in the Installation, Recharge, Inspection, and Maintenance Manual, P/N 24327, Rev. 9
Approved Filling Stations:	Ansul, Inc. One Stanton St Marinette, WI 54143

Company Name:	Ansul Incorporated
Company Address:	One Stanton St, Marinette, Wisconsin 54143, USA
Company Website:	http://www.ansul.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved