FEDERAL SIGNAL

CERTIFIED SERIES

From Federal Signal

SAFETY AND NOTIFICATION SOLUTIONS FOR

- Aerospace
- Automotive
- Chemical
- Consumer Products
- Food and Beverage
- Medical Devices
- Medical Facilities
- Nutritional Products
- Pharma and Biotech
- Plastics
- Water Treatment and Wastewater

WHAT IS NSF® CERTIFIED?

Choosing an NSF Certified product provides confidence the warning light will optimally perform in your environment, even after exposure to rigorous sanitation processes.

NSF Certification is an ANSI-accredited product certification that adheres to more than 75 acceptable sanitation requirements and protocols for equipment and materials intended for use in commercial food service.

Federal Signal warning lights are NSF Certified for Splash and Non-Food Zones to Standard NSF/ANSI 2: Food Equipment. Products that meet requirements in this standard are intended to protect against contamination and ensure materials can resist wear and effects from food, heat, cleaning compounds and sanitizers.

The NSF Certification began as a food and beverage industry standard and overtime was adopted by additional industries that also prioritize cleanliness and sanitation.

NON-FOOD ZONES

Areas that are not exposed to food or splashes but may be subject to minor dirt or debris

Kitchens, food storage, dry process areas, damp process areas where there is no drip possibility

NSF® ZONE

SPLASH ZONES

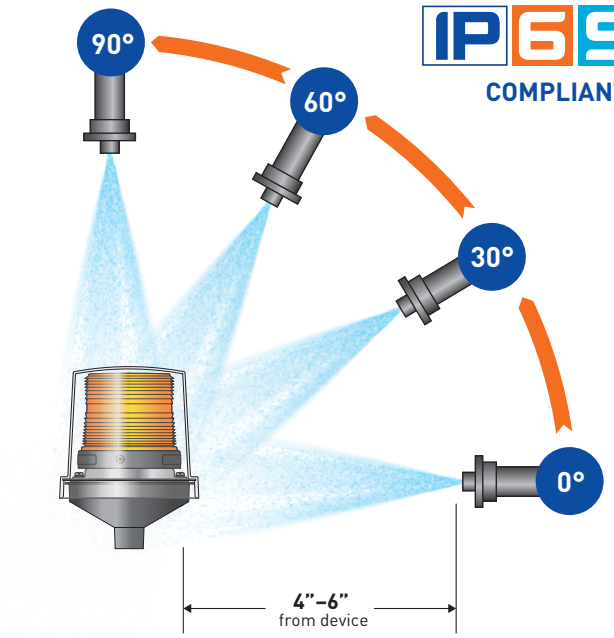
Areas that are exposed to routine soiling from splashes and spills but are not surfaces intended for contact with consumable food

Wet or damp process areas, high pressure purging and/or decontaminations and washdown areas

HOW IS NSF DIFFERENT FROM IP69K?

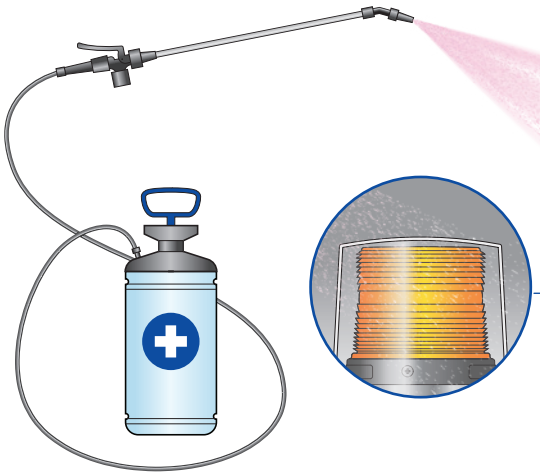
Not only are these products NSF Certified, they are also IP69K Compliant, making them the ultimate warning device to optimally perform in harsh environments where sanitation is required.

PRODUCT FEATURE	Withstands high pressure and temperature washdowns	Resists water and dust/debris ingress	Resists water and dust/debris accumulation	Withstands cleaning/sanitation compounds	Meets NSF material standards for Splash and Non-Food Zones
IP69K	✓	✓			
NSF	✓	✓	✓	✓	✓



IP69K COMPLIANT

NSF CERTIFIED



Curvature of the dome resists water and dust/debris accumulation

Choosing an NSF Certified product provides confidence the warning light will optimally perform, even after exposure to rigorous sanitation processes.

NSF PRODUCTS FEATURE

- Easily cleanable
- Smooth body and elliptical lens
- No horizontal flat surfaces
- No small areas or crevices
- No exposed fasteners or threads
- Fully gasketed and sealed
- Resists water and dust accumulation

Safe Area LED Warning Lights

Models 121SLED and 121ALED

Hazardous Location LED and Strobe Warning Lights

Models 225XL and 225XST

Product Features and Certifications

Model	Type	Voltage	Operating Current	Operating Temperature	Flash Pattern	Light Output	Lamp Hours	Mount	Rated	Certified
121SLED A B C G R	LED	120VAC	0.075 A	-40°F to 150°F (-40°C to 66°C)	60 R/Min.	1655 cd	25k	½" NPT, Surface	4X, IP66, IP69K	UL/cUL, NSF
121ALED A B C G R	LED	24VDC	0.3 A	-40°F to 150°F (-40°C to 66°C)	60 R/Min.	765 cd	25k	½" NPT, Surface	4X, IP66, IP69K	UL/cUL, NSF
225XL A B C G R	LED	24VAC/DC	0.38 A	-58°F to 150°F (-50°C to 66°C)	60 FPM, steady	238 cd	50k	½" NPT	4X, IP66, IP69K	UL/cUL CID2, Marine, NSF
		120-240VAC	0.21-0.13 A							
225XST A B C G R	Strobe	12-24VDC	1.70-0.70 A	-40°F to 104°F (-40°C to 40°C)	80 FPM	240 cd	10k	½" NPT	4X, IP66, IP69K	UL/cUL CID2, CSA, NSF
		120VAC	0.25 A							
		240VAC	0.20 A							

EXAMPLES OF CHEMICALS FEDERAL SIGNAL NSF SIGNALS CAN WITHSTAND

Acetic Acid	Benzonitrile	Fluosilicic Acid	Lithium Chloride	Ozone	Sodium Benzoate
Acetic Acid 20%	Butanol (Butyl Alcohol)	Formaldehyde 100%	Lubricants	Paraffin	Sodium Bicarbonate
Acetic Acid 80%	Buttermilk	Formaldehyde 40%	Magnesium Bisulfate	Pentane	Sodium Bisulfate
Acetic Acid, Glacial	Calcium Nitrate	Formic Acid	Magnesium Carbonate	Phenol (10%)	Sodium Bisulfite
Alcohols: Amyl	Calcium Sulfate	Freon 113	Magnesium Chloride	Phosphoric Acid (>40%)	Sodium Borate (Borax)
Alcohols: Butyl	Carbonic Acid	Fuel Oils	Magnesium Hydroxide	Phosphoric Acid (crude)	Sodium Carbonate
Alcohols: Ethyl	Chocolate Syrup	Gasoline (high aromatic)	Magnesium Nitrate	Phosphoric Acid (S40%)	Sodium Chlorate
Alcohols: Isopropyl	Chromic Acid 10%	Gasoline, leaded, ref.	Magnesium Sulfate (Epsom Salts)	Photographic Developer	Sodium Chloride
Alcohols: Methyl	Chromic Acid 5%	Gasoline, unleaded	Manganese Sulfate	Photographic Solutions	Sodium Chromate
Aluminum Chloride	Cider	Glucose	Mercuric Chloride (dilute)	Phthalic Anhydride	Sodium Hydroxide (20%)
Aluminum Chloride 20%	Citric Acid	Glycerin	Mercurous Nitrate	Potassium Bromide	Sodium Peroxide
Aluminum Hydroxide	Copper Sulfate>5%	Heptane	Methanol (Methyl Alcohol)	Potassium Chlorate	Sodium Sulfate
Aluminum Nitrate	Copper Sulfate 5%	Honey	Methyl Alcohol 10%	Potassium Chloride	Stannic Chloride
Aluminum Potassium Sulfate 10%	Cupric Acid	Hydrochloric Acid 20%	Milk	Potassium Dichromate	Stearic Acid
Aluminum Potassium Sulfate 100%	Cyclohexane	Hydrocyanic Acid (Gas 10%)	Motor oil	Potassium Nitrate	Stoddard Solvent
Aluminum Sulfate	Detergents	Hydrogen Gas	Mustard	Potassium Permanganate	Sulfur Dioxide (dry)
Ammonium Chloride	Diesel Fuel	Hydrogen Peroxide 10%	Naphtha	Potassium Sulfate	Sulfuric Acid (<10%)
Ammonium Oxalate	Diethylene Glycol	Hydrogen Peroxide 100%	Nickel Chloride	Propylene Glycol	Sulfuric Acid (10-75%)
Ammonium Phosphate, Dibasic	Epsom Salts (Magnesium Sulfate)	Hydrogen Peroxide 30%	Nickel Sulfate	Resorcinol	Tomato Juice
Ammonium Sulfate	Ethanol	Hydrogen Peroxide 50%	Nitric Acid (20%)	Salicylic Acid	Vinegar
Amyl Alcohol	Ethylene Diamine	Hydrogen Sulfide (aqua)	Nitric Acid (50%)	Salt Brine (NaCl saturated)	Water, Acid, Mine
Antimony Trichloride	Ethylene Glycol	Isooctane	Nitric Acid (5-10%)	Sea Water	Water, Distilled
Arsenic Acid	Fatty Acids	Jet Fuel (JP3, JP4, JP5)	Oils: Citric	Silicone	Water, Fresh
Barium Carbonate	Ferric Chloride	Lacquer Thinners	Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6)	Silver Nitrate	Water, Salt
Barium Chloride	Ferric Nitrate	Lactic Acid	Oils: Mineral	Soap Solutions	Whiskey & Wines
Beer	Ferric Sulfate	Lard	Oils: Olive	Soda Ash (see Sodium Carbonate)	Zinc Chloride
Benzoic Acid	Ferrous Sulfate	Lead Sulfamate	Oils: Pine	Sodium Acetate	Zinc Sulfate

FEDERAL SIGNAL

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