



# IP69K

## PRODUCTS

From Federal Signal

THE **BROADEST LINE**

OF **IP69K** COMPLIANT PRODUCTS  
IN THE INDUSTRY



Products for dust-tight environments, that withstand high-pressure and high-temperature washdowns.

# What is IP69K?

IP69K is the highest standard on the Ingress Protection (IP) rating scale. This rating was designed for applications in which products are regularly exposed to high-pressure and high-temperature washdowns. IP69K ensures the highest confidence in harsh environments where sanitation and cleanliness are required.

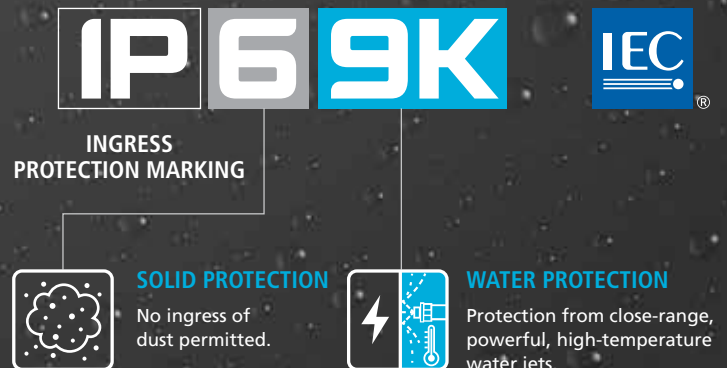
IP69K products are ideal for applications in:

- Food and Beverage
- Wastewater
- Pharmaceutical
- Marine
- Medical Facilities
- Medical Equipment Manufacturing

IP69K products help reduce product failures due to water/dust ingress, increasing productivity and decreasing production downtime.

## IP rating system

The IP rating system is defined in international standard IEC 60529. IP ratings are used to classify and define levels of ingress protection on electrical devices against solids and water. By defining a rating, the IP system ensures specific levels of coverage when products are faced with varying elements.



## HOW IS IP69K DIFFERENT FROM NEMA TYPE 4?

Both standards require the product to withstand water but at different levels. The IP69K rating is important when products are being sprayed down at closer distances.

### IP69K

- ✓ High pressure
- ✓ Low volume/  
High temperature
- ✓ Short distance  
6" max
- ✓ Dust-tight

### NEMA TYPE 4

- ✓ Low pressure
- ✓ High volume  
65 gallons/minute
- ✓ Long distance  
10–12ft

## Our products endured the following testing:



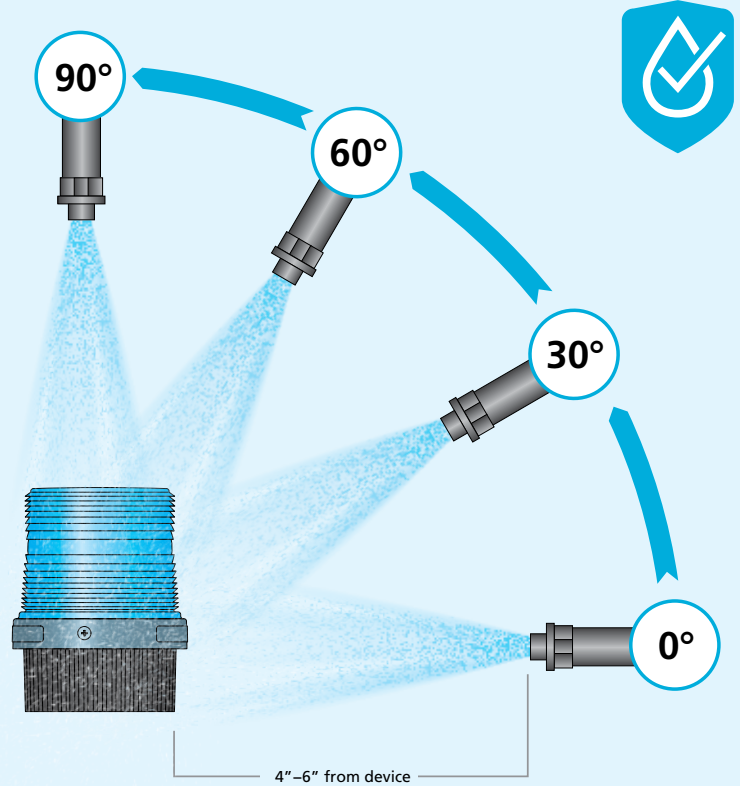
### IP6K

Dust-tight tested in an Arizona A2 Dust 2kg/m<sup>3</sup> chamber for 6 seconds at a time, every 15 minutes for five hours.



### IP9K

Testing which included high-pressure steam jet cleaning, water sprays of 1160–1450 psi every 30 seconds. The water is sprayed from 4 different angles, at a distance of 4–6 inches, and temperatures of 176°F (80°C).



Federal Signal has the  
**BROADEST SELECTION  
OF IP69K PRODUCTS!**

## WE OFFER OVER 700 MODELS

for safe area, hazardous and explosion proof applications that meet all environmental ratings.

**YOUR SAFETY  
AND SECURITY  
IS OUR PRIORITY!**

## CERTIFICATIONS

In addition to IP69K, our products have been designed to meet or exceed the uncompromising standards of UL, CSA, CSFM, IECEx, and other global certifications.\* And with our ISO 9001 Certification, we want you to know that we are committed to quality.



# SAFE AREA



**Models 121S  
and 121A**

Vitalite® Rotating Lights



**Model 225**

Electraray® Rotating Light



**Model 350WB**

Weatherproof Vibratone® Horn with Back Box



**Model 371LED**

Commander® LED Rotating Beacon



**Model FB2LED**

Fireball® LED Light

**Models FB2PST  
and FB2PST-I**

Fireball® Strobe Lights

**Model FB24ST**

Fireball® Supervised Strobe Light



**Models FB24STHI and  
FB24STHI-024C-CN**

Fireball® Supervised Hearing Impaired  
Strobe Lights



**Models LP3M, LP3P  
and LP3S**

StreamLine® Low Profile Strobe Lights

**Models LP3SL,  
LP3PL and LP3ML**

StreamLine® Low Profile Steady Burning  
LED Lights



**Models PMA  
and PMAMT**

Panel Mount Electronic Sounders



## SAFE AREA



**Model PMC**

Panel Mount Multifunctional LED Combination Audible/Visual Signal



**Models PMLMP and PMLST**

Panel Mount Multifunctional LED Beacons



**Models PMMFL and PMMST**

Panel Mount Multicolor LED Beacons



**Model RSL**

Radiant Configurable Stack Light with up to 7 Modules and 5 Mounting Options



**Models SLM100, SLM200, SLM300/350, SLM1400/1450 and SLMBS, SLMBD and SLMBP**

StreamLine® Modular Multifunctional LED Beacons and Mounting Options

## HAZARDOUS LOCATION



**Model USIX**

Hazardous Location UniStat™ LED Status Indicator

# HAZARDOUS LOCATION



**Model 151XST**

Hazardous Location Strobe Light

**Model 154XST**

Hazardous Location Supervised Strobe Light

**Models 191XL and 191XL-CN**

Hazardous Location LED Lights



**Models 154XSTHI and 154XST-CN**

Hazardous Location Supervised Fire Listed Strobe Lights



**Model 224XST**

Electrarray® Supervised Hazardous Location Strobe Light



**Model 224XSTHI**

Electrarray® Supervised Hearing Impaired Hazardous Location Strobe Light



**Model 225X**

Electrarray® Hazardous Location Rotating Incandescent Light



**Model 225XL**

Electrarray® Hazardous Location LED Flashing Light



**Models 225XST and 225XST-I**

Electrarray® Hazardous Location Strobe Lights



**Model 371DST**

Commander® Double Strobe Hazardous Location Light



**Model 371LEDX**

Hazardous Location Commander® LED Rotating Light



**Model G-LED**

Global Series® LED Beacon

## HAZARDOUS LOCATION



**Model G-STR**

Global Series® 15J and 21J Strobe



**Model 350WBX**

Vibratone® Hazardous Location  
Horn with Back Box



**Model 450EWBX**

Vibratone® Hazardous Location  
Electronic Horn



**Models 300GCX and  
300GCX-CN (15W),  
302GCX and 302GCX-CN  
(30W)**

SelectTone® Hazardous Location  
Amplified Speakers



**Models 304GCX and  
304GCX-CN (15W),  
314GCX and 314GCX-CN  
(15W)**

SelectTone® Hazardous Location Supervised  
Amplified Speakers



**Models  
AM300GCX (15W) and  
AM302GCX (30W)**

AudioMaster® Public Address Hazardous  
Location Speakers



**Model AM15XD2**

Public Address Hazardous Location Speaker



**Model  
SST3GCX-MV**

Hazardous Location Remotely Selectable  
Electronic Siren



**Models  
ASHH (15W) and  
ASUH (30W)**

Hazardous Location Amplified Speakers

# EXPLOSION-PROOF



**Model 24XST**

Explosion-Proof Supervised Strobe Light

**Model 27XST**

Explosion-Proof Strobe Light

**Model 27XL**

Explosion-Proof LED Light



**Model FSEX**

Explosion-Proof Strobe Light



**Models 24XSTHI-MOD  
and 24XSTHI-CN**

Explosion-Proof Hearing Impaired Strobe Light

**Model FSEX-HI**

Hearing Impaired Explosion-Proof Strobe Light



**Model 121X**

Explosion-Proof Rotating Light



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