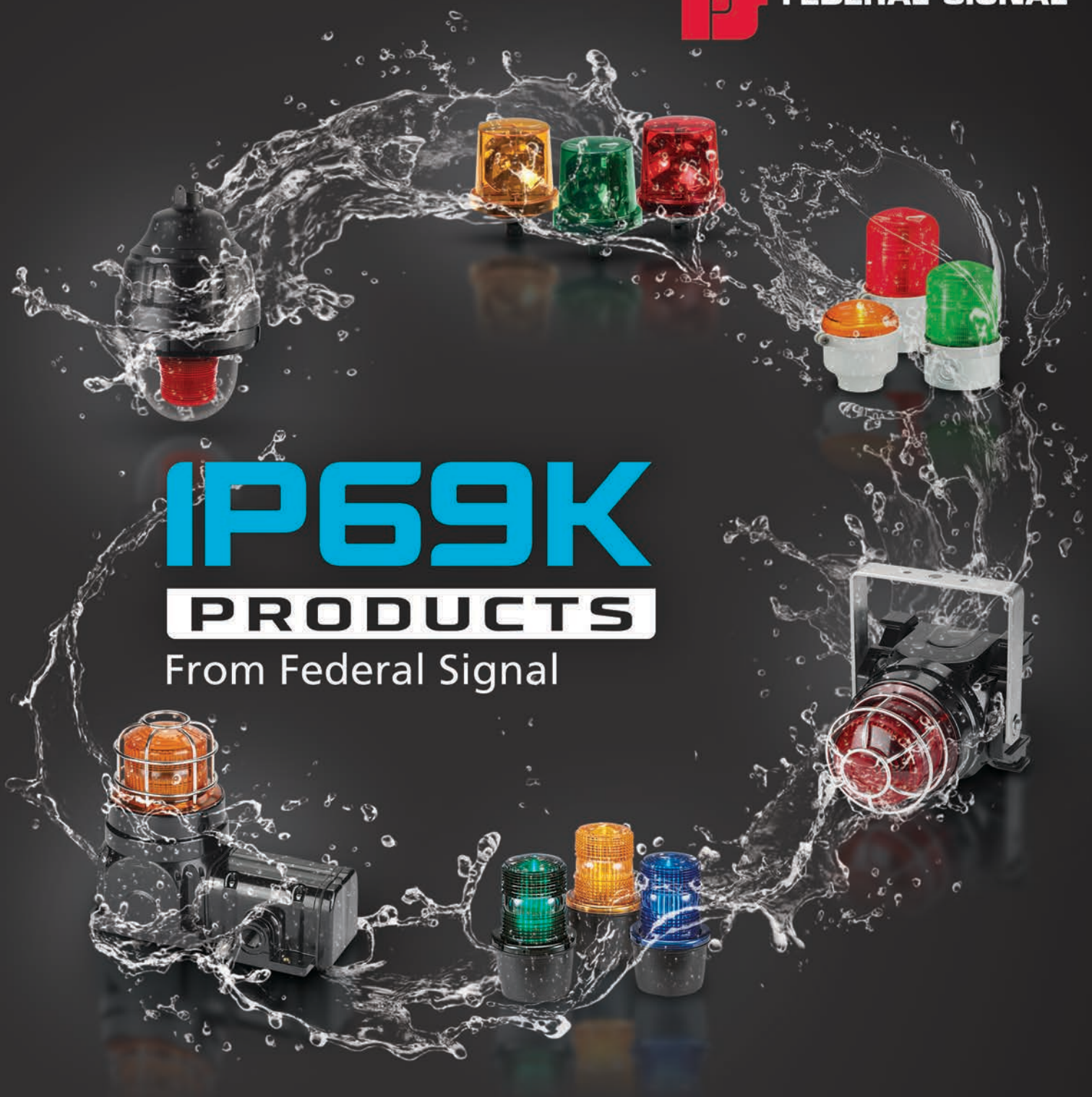
FEDERAL SIGNAL



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	NEMA TYPE 4
✓ High pressure	✓ Low pressure
✓ Low volume/ High temperature	✓ High volume 65 gallons/minute
✓ Short distance 6" max	✓ Long distance 10–12ft
✓ Dust-tight	

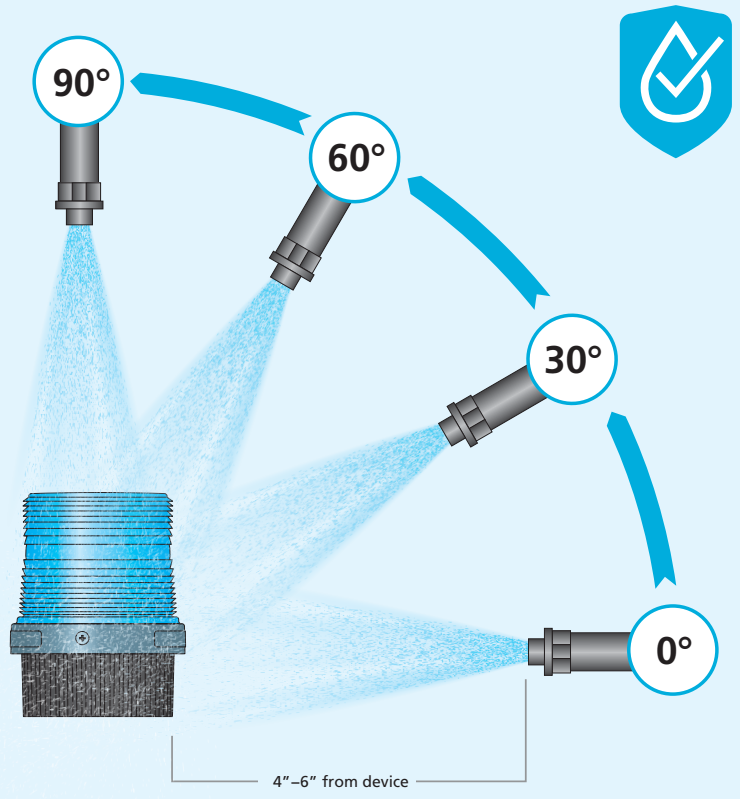
Our products endured the following testing:

IP69K

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

IP69K

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!

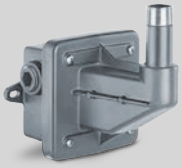
CERTIFICATIONS

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 121SLED and 121ALED	Vitalite® Rotating LED Lights
	Model 225	Electraray® Rotating LED Warning Light
	Model 350WB	Weatherproof Vibratone® Horn with Back Box
	Model 371LED	Commander® LED Rotating Beacon
	Model DurAlert™	Combination Audible/Visual Signal
	Models FB2LED and FB2LED-QC	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 PM22L and PM22L RGB	Panel Mount 22mm Multifunctional LED
	Model RSL	Radiant Configurable Stack Light
	Models LP57 and LP57 RGB	StreamLine® Mini LED Beacon Series
	Models SLM100, SLM200, SLM300/350, SLM1400/1450 and SLMBS, SLMBD and SLMBP	StreamLine® Modular Multifunctional LED Beacons and Mounting Options
	Model SST3-MV-SB	Remotely Selectable Electronic Siren
	**Model LSWB**	Wall Mounting Kit for 4X, Safe Area Applications

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	Electraray® Supervised Hazardous Location Strobe Light
	Model 224XSTHI	Electraray® Supervised Hearing Impaired Hazardous Location Strobe Light
	Model 225X	Electraray® Hazardous Location Rotating LED Warning Light
	Model 225XL	Electraray® Hazardous Location LED Flashing Light
	Models 225XST and 225XST-I	Electraray® Hazardous Location Strobe Lights
	Model 371DST	Commander® Double Strobe Hazardous Location Light
	Model 371LEDX	Hazardous Location Commander® LED Rotating Light
	Model DurAlert™	Hazardous Location Combination Audible/Visual Signal

HAZARDOUS LOCATION

	Models LP3XLP, LP3XLM, and LP3XLS	Hazardous Location LED Warning Light
	Models FB2LEDX, FB2LEDX-CN, FB2LEDX-QC, FB2LEDX-QC-S	Fireball® Hazardous Location Single and Multicolor LED Lights
	Model G-LED	Global Series® LED Beacon
	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)	SelecTone® Hazardous Location Amplified Speakers
	Models 304GCX and 304GCX-CN (15W), 314GCX and 314GCX-CN (15W)	SelecTone® Hazardous Location Supervised Amplified Speakers
	Models AM300GCX (15W) and AM302GCX (30W)	AudioMaster® Public Address Hazardous Location Speakers
	Model AM15XD2	Public Address Hazardous Location Speaker

HAZARDOUS LOCATION

	Model SST3GCX-MV	Hazardous Location Remotely Selectable Electronic Siren
	Models ASHH (15W) and ASUH (30W)	Hazardous Location Amplified Speakers
	Model LHWB	Wall Mounting Bracket for Hazardous Location Applications

EXPLOSION-PROOF

	Model 27XST-024-4-MOD	Explosion-Proof Supervised Strobe Light
	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

FEDERAL SIGNAL

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