FIRE SPRINKLER TESTING SERVICES

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WHY TEST FIRE SPRINKLERS?

Fire sprinkler systems can be negatively impacted by water quality issues, corrosion & MIC, aging components, and other environmental factors that may affect performance throughout their lifetime. These factors could alter water distribution, system operation, or the ability of sprinklers to respond as intended during a fire event. Fire sprinkler testing is an important component of evaluating system performance, identifying potential deficiencies, and being compliant with applicable NFPA 25 inspection, testing, and maintenance requirements.

LAB TESTING

We test all sprinkler types:

Standard
Fast Response
Dry

Dyne tests the response time of the sprinklers to ensure the sprinklers will release in a specified amount of time when exposed to a defined temperature and air flow. The acceptable response time is based on a response time index (RTI).

Dyne is accredited for ISO/IEC 17025 - Mechanical Testing of Automatic Field Sprinklers. Dyne is also ISO 9001 Certified.

WHY TEST WITH DYNE?

- Test reports in 5-business days or less (rush 24 hour turn-around available)
- Free Standard and Dry Sprinkler sample kits
- Free shipping within the contiguous United States (limited free 1-way shipping to Alaska, Hawaii, Puerto Rico, and Canada, inquire for details)
- Comprehensive reports and tank tags
- Online access to results and return forms
- Immediate communication with our quality technician or customer service staff

RELEVANT STANDARDS

- Procedure based on UL 199 Edition 13 Section 33.2 and NFPA 25 A.5.3.1.1.
- Testing fulfills NFPA 25 2026 Edition 5.3.1.1.

FREE SAMPLE TEST KITS & SHIPPING

- Standard and Dry kits available
- Each kit contains sprinkler labeling tags, foam packing material, and a form
- UPS Ground shipping to you is included as well as return labels (UPS/USPS) that can be used within the contiguous United States (limited 1-way free shipping to Alaska, Hawaii, and Canada, inquire for details.)





NFPA® GLOBAL SOLUTIONS

Contact Us!

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TESTING FREQUENCY	TYPE	INITIAL TEST	SUBSEQUENT TEST*
	Sprinklers manufactured prior to 1920	Not applicable – replace	Not applicable
	Sprinklers used for protecting commercial-type cooking equipment and ventilating systems	Not applicable – replace annually (unless annual exam shows no build-up of grease or other material on bulbtype sprinklers)	
	Sprinklers exposed to harsh environments	5 years after install (10 years if sprinkler listed as corrosion resistant)	Every 5 years thereafter
	Solder type sprinklers with a temperature classification of extra high (325 °F, 163 °C or greater) that are exposed to semi continuous to continuous maximum allowable ambient temperature conditions	5 years after install	Every 5 years thereafter
	Dry sprinklers	20 years after install	Every 10 years thereafter**
	ESFR and CMSA Sprinklers (using fast response elements)	20 years after install	Every 10 years thereafter**
	Sprinklers with Fast Response Elements	25 years after install	Every 10 years thereafter**
	Sprinklers that have been installed for 50 years in dwelling units	Replace with fast-response sprinklers	Representative samples of sprinklers shall be tested for RTI that does not exceed 65 $(m/s)^{1/2}$
	All other sprinklers	50 years after install	Every 10 years thereafter**

*Only applies if all samples in initial/previous subsequent test sample pass and remaining sprinklers represented by that sample set remained in service.

**If the sprinklers ever reach 75 years of age, subsequent testing shall be every 5 years, regardless of scenario.