



Product Catalogue

2026

The background is a solid red color with several large, overlapping, curved shapes in a slightly darker shade of red, creating a sense of depth and movement. These shapes are primarily located on the left and top sides of the frame.

**WELCOME
TO FENIX**



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HISTORY OF FENIX

FENIX is a fire protection brand dedicated to manufacturing high-quality automatic fire sprinklers engineered for reliability, safety, and long-term performance.

FENIX sprinklers are manufactured by 2M Plast, an Egyptian manufacturing facility with dedicated production capabilities, quality control processes, and technical testing standards for fire protection components.

From material selection to production and testing, every FENIX sprinkler is built with attention to durability, consistency, and compliance with recognized fire protection requirements.

BRAND

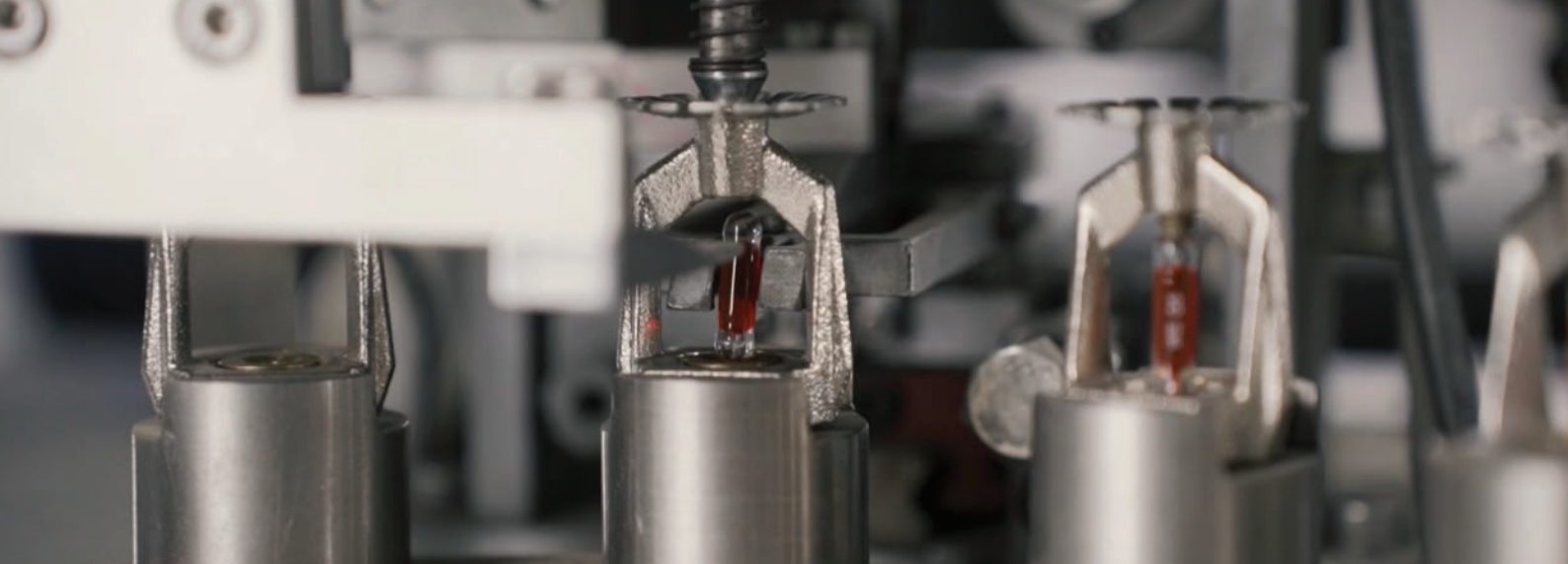
FENIX

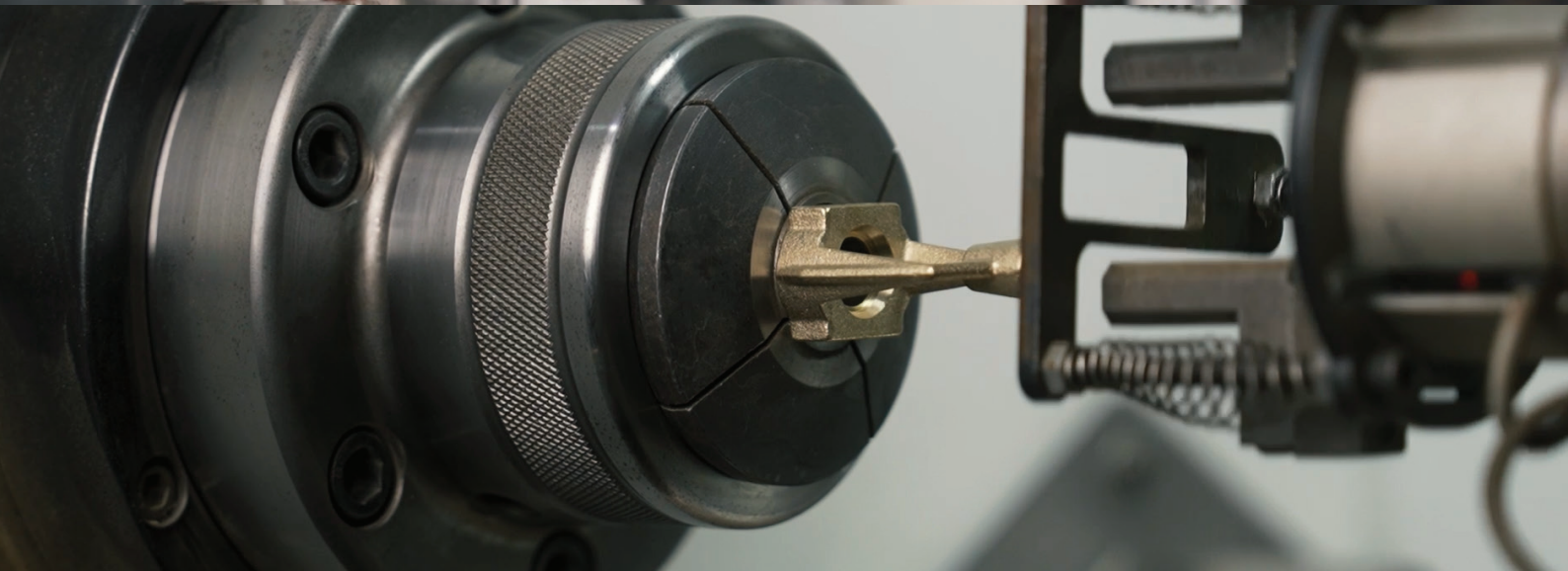
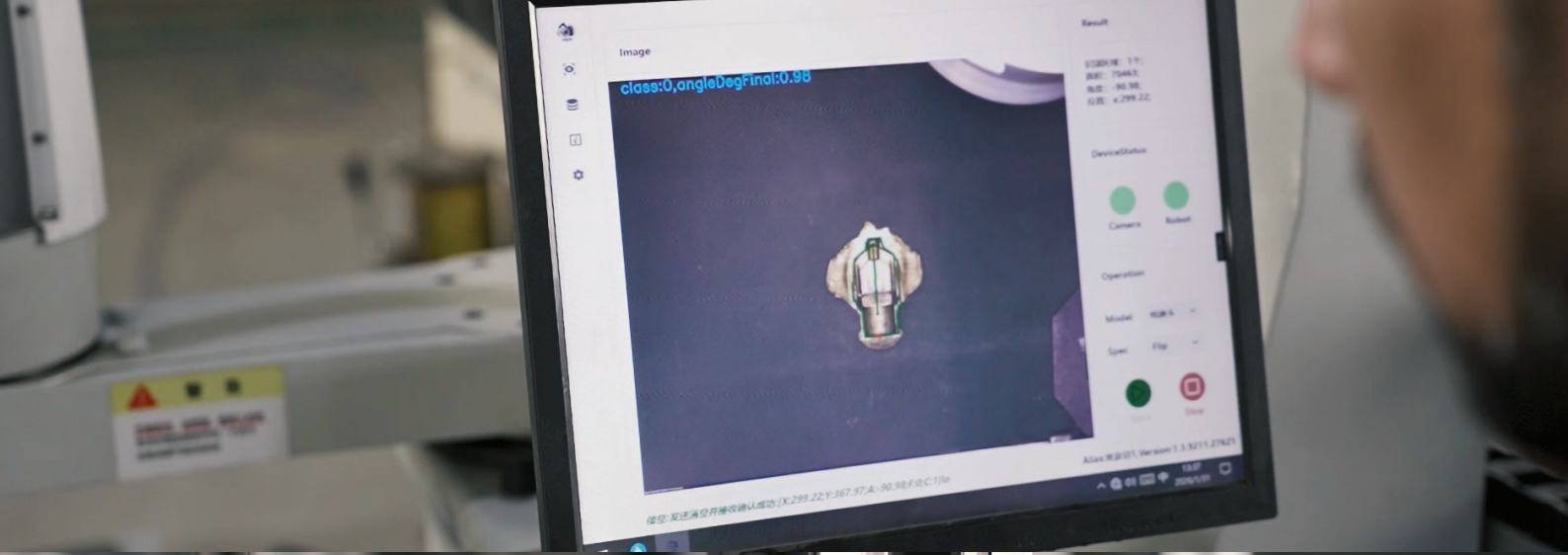
Focused on automatic fire sprinklers and fire protection components.

Manufacturing Facility

2M PLAST

The manufacturing base behind FENIX production and quality control.





CERTIFIED APPROVALS



FENIX automatic sprinklers are supported by internationally recognized certification documentation for automatic sprinklers used in fire protection service.

The certificates below are issued to 2M Plast, the manufacturing facility behind FENIX. Product communication remains under the FENIX brand, while certification documents may reference the legal manufacturing entity.

CERTIFICATION SUMMARY

FM Approvals
Certificate 01

Equipment	Automatic Sprinklers
Approval ID	PR475105
Approval Granted	22 Dec 2025
Models	FE0001 – FE0006

✓ **FM Approved**

UL SOLUTIONS
Certificate 02

Certificate No.	EX29838
Report reference	EX29838-20260217
Issue date	17 Feb 2026
Standard	ANSI/CAN/UL/ULC 199

✓ **UL Compliance Certificate**

FM APPROVALS CERTIFICATE

Certificate of Compliance

This certificate is issued for the following equipment:

Automatic Sprinklers for Fire Protection

Model	K	Type	Resp.	Element	NPT (in.)	Finishes	Temperature Ratings °F (°C)
FE0001	K5.6	Pendent	SR	5 mm	1/2	Brass, Chrome, Painted	135, 155, 175, 200, 286 (57, 68, 79, 93, 141)
FE0002	K5.6	Pendent	QR	3 mm	1/2	Brass, Chrome, Painted	135, 155, 175, 200, 286 (57, 68, 79, 93, 141)
FE0003	K5.6	Upright	SR	5 mm	1/2	Brass, Chrome Polyester	135, 155, 175, 200, 286 (57, 68, 79, 93, 141)
FE0004	K5.6	Upright	QR	3 mm	1/2	Brass, Chrome, Polyester	135, 155, 175, 200, 286 (57, 68, 79, 93, 141)
FE0005	K5.6	Horizontal Sidewall	SR	5 mm	1/2	Brass, Chrome, Polyester	135, 155, 175, 200, 286 (57, 68, 79, 93, 141)
FE0006	K5.6	Horizontal Sidewall	QR	3 mm	1/2	Brass, Chrome, Polyester	135, 155, 175, 200, 286 (57, 68, 79, 93, 141)

Prepared for: Two M Plast
8 Misr Construction Buildings, Sheraton, Cairo, Egypt

FM Approvals Class: 2012, 2016, 2017
FM Approval Standard: Class Number 2000 (November 2024)

Approval Identification: PR475105 Approval Granted: December 22, 2025

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

David B. Fuller
VP, Manager – Fire Protection
FM Approvals
One Technology Way
Norwood, MA 02062 USA

UL SOLUTIONS CERTIFICATE

Certificate of Compliance

Certificate Number:

EX29838

Report Reference:

EX29838-20260217

Issue Date:

2026-FEBRUARY-17

Issued to:
**TWO M PLAST
8 Misr Construction buildings
Sheraton Cairo
Egypt**

This certificate confirms that representative samples of:
SPRINKLERS, AUTOMATIC AND OPEN (VNIW)

See Addendum Page for Product Designation(s).
Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
ANSI/CAN/UL/ULC 199 - Automatic Sprinklers for Fire Protection Service

Additional Information:
See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.




David Piecuch
UL Mark Certification Program Owner

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (LLC) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

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Product iQ®

Sprinklers, Automatic and Open

COMPANY

EX29838

TWO M PLAST

8 Misr Construction buildings
Sheraton
Cairo, Egypt

Trademark and/or Tradename: "FENIX"

Note: For additional marking information, refer to the [Guide Information Page](#)

View model for additional information

Glass Bulb Type, SIN(s): [FE0001](#), [FE0002](#), [FE0003](#), [FE0004](#), [FE0005](#), [FE0006](#), [FE0007](#), [FE0008](#), [FE0009](#), [FE0010](#)

[Last Updated](#) on 2026-02-17

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

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Full signed and stamped certificates are included for reference. Final customer-facing packs can show the full certificates or a reduced certification summary, depending on the sales context.

STANDARD RESPONSE SPRINKLERS (1/2 INCH)

A compact, thermally sensitive glass-bulb spray sprinkler available in multiple finishes and a wide range of temperature ratings to suit virtually any design. The chrome-plated version offers a clean, decorative appearance for exposed and architectural applications, while its durable construction withstands demanding environments — reducing replacement frequency and lowering long-term cost of ownership.



MULTIPLE FINISHES

Clean, decorative appearance for any environment.



WIDE TEMPERATURE RANGE

Designed for a variety of applications and standards.



DURABLE CONSTRUCTION

Brass construction ensures long-term performance.



TECHNICAL DATA

common to all Standard Response heads

	Minimum operating pressure	7 psi
	Maximum working pressure	175 psi
	Factory hydrostatic test	500 psi
	Thread size	½" NPT (15 mm)
	Nominal K-factor	5.6 (US)
	Overall length	2-¾"



NB

NFPA 13 installations require a minimum of 7 psi, LPCB requires a minimum of 5 psi.

MATERIAL STANDARDS

	Frame casting	Brass
	Deflector	SS304 / Brass
	Glass bulb	Nominal 5 mm dia., UL-Listed
	Load screw	Brass
	Pip cap & insert assembly	Brass

FE0001

PENDENT

1/2 INCH Standard Response



Installs facing downward from the branch line, the most common configuration for finished ceilings (paired with an escutcheon).

FE0003

UPRIGHT

1/2 INCH Standard Response



Installs facing upward, sitting above the branch line. Ideal for exposed-pipe areas, mechanical rooms, and warehouses.

FE0005

SIDEWALL

1/2 INCH Standard Response



Mounts on a wall and projects spray horizontally. Used where overhead piping is impractical (corridors, small rooms).

QUICK RESPONSE SPRINKLERS (1/2 INCH)

Shares the compact, durable design of our standard range but uses a smaller 3 mm glass bulb for faster thermal activation.

This makes it ideal for light-hazard occupancies — offices, hotels, residential, and healthcare spaces — where rapid response improves life safety. Available in multiple finishes and temperature ratings to match the project's design criteria .



FAST THERMAL RESPONSE

3 mm glass bulb for
faster thermal activation



LIGHT-HAZARD APPLICATIONS

Suitable for offices, hotels,
residential and healthcare spaces



MULTIPLE FINISHES

Available to suit exposed and
architectural installations



TECHNICAL DATA

common to all Standard Response heads

	Minimum operating pressure	7 psi
	Maximum working pressure	175 psi
	Factory hydrostatic test	500 psi
	Thread size	½" NPT (15 mm)
	Nominal K-factor	5.6 (US)
	Overall length	2-¾"



NB

NFPA 13 installations require a minimum of 7 psi, LPCB requires a minimum of 5 psi.

MATERIAL STANDARDS

	Frame casting	Brass
	Deflector	SS304 / Brass
	Glass bulb	Nominal 3 mm dia., UL-Listed
	Load screw	Brass
	Pip cap & insert assembly	Brass

FE0002

PENDENT

1/2 INCH

Quick Response



Downward-facing, fast-response head for finished ceilings in light hazard spaces.

FE0004

UPRIGHT

1/2 INCH

Quick Response



Upward-facing, fast-response head for exposed areas in light-hazard occupancies.

FE0006

SIDEWALL

1/2 INCH

Quick Response



Mounts on a wall and projects spray horizontally. Used where overhead piping is impractical (corridors, small rooms).

CONCEALED PENDENT RESPONSE (1/2 INCH)

TECHNICAL DATA

	Minimum operating pressure	7 psi
	Maximum working pressure	175 psi
	Factory hydrostatic test	500 psi
	Thread size	1/2" NPT (15 mm)
	Nominal K-factor	5.6 (US)

FE0009



ACCESSORIES

ESCUTCHEON

Used to give a finished appearance and maintain the aesthetic integrity of the ceiling around the sprinkler head, while helping preserve the spacing required for proper activation.

TECHNICAL DATA

	Material	Steel or brass (chrome-plated, white-painted, custom)
	Type	One-piece, fixed depth
	Diameter	2-3/4" to 3-5/8"
	Finish options	White, black, brass, chrome, custom colors

INSTALLATION SEQUENCE

1	2	3	4	5	6
PREPARE Confirm the ceiling is finished or prepared for final trim-out.	INSPECT Ensure the sprinkler head is properly installed, tested, and flushed.	MEASURE Measure ceiling thickness to determine whether an adjustable escutcheon is needed.	POSITION Install the one-piece escutcheon.	ALIGN Align and push the inner ring up toward the sprinkler base until snug, it should sit flush with the ceiling. If adjustable, twist slightly to lock into place.	VERIFY Verify fitment: flush against the ceiling with no visible gaps, and the head protruding the correct distance per the manufacturer's spec.



FINAL CHECK

Visually confirm correct alignment and snug fit, and ensure the sprinkler head is undamaged and unobstructed.

PENDENT

K8

TECHNICAL DATA

	Minimum operating pressure	7 psi
	Maximum working pressure	175 psi
	Factory hydrostatic test	500 psi
	Thread size	3/4 NPT (25 mm)
	Nominal K-factor	8 (US)
	Overall length	2-1/4"

FE0011



UPRIGHT

K8

TECHNICAL DATA

	Minimum operating pressure	7 psi
	Maximum working pressure	175 psi
	Factory hydrostatic test	500 psi
	Thread size	3/4 NPT (25 mm)
	Nominal K-factor	8 (US)
	Overall length	2-1/4"

FE0012



IMPORTANT NOTES

1.1 — Operating Principle

When a fire raises the surrounding temperature, the heat-sensitive liquid inside the glass bulb expands until the bulb shatters. This releases the cap seal and allows water to flow through the orifice, strike the deflector, and disperse in a controlled, umbrella-shaped spray that suppresses or controls the fire.

1.2 — Inspection

Inspect and maintain in accordance with NFPA 25.

1.3 — Warranty

For full warranty terms, contact Fenix directly.

1.4 — Availability

Available for both domestic and commercial projects. Contact Fenix to confirm specifications and agree on delivery.

2 — Temperature Ratings & Finishes

Classification	 Nominal Rating (°C)	 Max Ambient Ceiling (°C)	 Bulb Colour
Ordinary	57	37	Orange ○
Ordinary	68	37	Red ○
Intermediate	79	65	Yellow ○
Intermediate	93	65	Green ○
High	141	107	Blue ○

FINISHES

Brass • Chrome • Painted • Polyester.

Final finish availability depends on model and project requirement



STANDARDS NOTE

Temperature ratings are stamped on the deflector. Per NFPA 13, additional limitations may apply depending on the project — obstructions, ambient temperature, and distance from the ceiling. Always refer to the applicable installation standards.



2.1 — INSTALLATION (GENERAL)

All Fenix sprinklers must be installed in accordance with NFPA 13. Any deviation from these standards — or any alteration to the sprinkler itself — voids the manufacturer's warranty.

Installation must also meet all applicable local codes and government regulations.

- Size the system piping correctly to ensure the minimum required flow rate at the sprinkler.
- Confirm the correct model, style, orifice size, and temperature rating before installation. Install sprinklers after the piping is in place to avoid mechanical damage; replace any damaged units.
- Protect wet-pipe systems from freezing.
- On completion, test the system per recognized standards.
- If a thread leaks, remove the unit, apply fresh pipe-joint compound or PTFE tape, and rein stall.



2.2 — INSTALLATION SEQUENCE



Install and maintain all sprinklers in compliance with this document, NFPA 13 / EN 12845, and the authority having jurisdiction. It is the installer's responsibility to conform; deviations void the warranty.



Size piping correctly to meet the minimum flow requirement.



Install after piping is in place; replace any damaged sprinklers. If the thread leaks, remove, retape, and reinstall.



Verify correct model, style, orifice size, temperature, and sensitivity rating before starting.



Mount upright sprinklers in the upright position and pendent sprinklers in the pendent position.



Use only non-hardening pipe-joint compound or PTFE (Teflon) tape, applied to external threads only.



Hand-tighten into the fitting, then use the correct sprinkler wrench on the wrench flats. A leak tight joint needs only 9.5–19 N·m (7–14 ft·lb). Torque above 29 N·m (21 ft·lb) may distort the orifice seal and cause leakage.



Remove the bulb protector before placing the system in service.



2.3 CAUTION

Do not over- or under-tighten the sprinkler to compensate for poor escutcheon adjustment. Keep the protective bulb clip in place at all times during transport.



2.4 MAINTENANCE

- Never alter a sprinkler after manufacture. Painting or coating will damage it and cause malfunction.
- Replace any sprinkler exposed to corrosive products that cannot be fully cleaned.
- Inspect visually after installation; an annual close-up inspection is recommended thereafter.
- Inspection and maintenance of the fire protection system are the owner's responsibility, following local and/or national regulations.

PRODUCT RANGE

Fenix sprinklers are available in two response types and three orientations:

	Pendent	Upright	Sidewall
Standard Response · 5 mm bulb	✓	✓	✓
Quick Response · 3 mm bulb	✓	✓	✓



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