

FIRE PROTECTION SYSTEM

AUTOMATIC SPRINKLER

BRAND NAME : TUNA
COUNTRY : CHINA
MODEL : NX021
APPROVED : UL/FM
PRESSURE : 175 PSI.
CONNECTION : SCREWED ENDS

MATERIAL OF CONSTRUCTION

BODY : CAST BRONZE
FINISHED : CHROME PLATED

ENGINEERING DATA

K FACTOR : 5.6
STYLE
- HORIZONTAL SIDE WALL : - TEMP. RATING 57°C (135°F)
- VERTICAL SIDE WALL : - BULB COLOR ORANGE
- TEMP. RATING 68°C (155°F)
BULB COLOR RED
- TEMP. RATING 79°C (175°F)
BULB COLOR YELLOW
- TEMP. RATING 93°C (200°F)
BULB COLOR GREEN

General Products Catalog



30+ years on sprinklers system solutions with TUNA[®]

NANJING FIRE

NEW

TUNA[®] Sprinklers



Horizontal Sidewall Series

Model: NX021 / NX022 (New)

Standard Spray, Standard Response & Quick Response,
5mm & 3mm Bulb Type, K5.6, 1/2" Connecting Thread

UL approved TUNA[®] Standard Spray Horizontal Sidewall Sprinklers are glass-bulb types designed for use in fire sprinkler systems and for use in various commercial applications.

TUNA[®] Horizontal Sidewall Sprinklers new type launched in year 2019, with two response model series (NX021-standard response & NX022-quick response) are available with a variety of temperature ratings and finishes to meet different design requirements.

Model Types

NX021 Standard Response



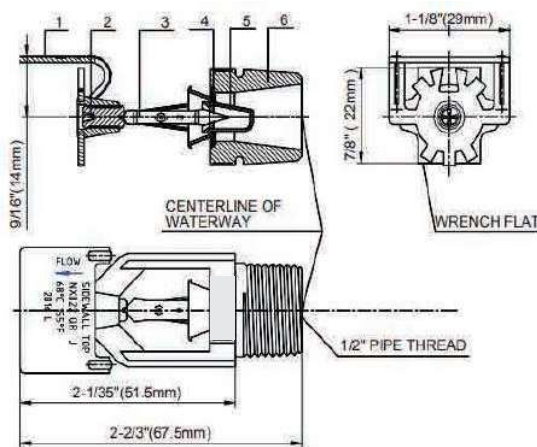
135°F (57°C) 155°F (68°C) 175°F (79°C) 200°F (93°C)

NX022 Quick Response



135°F (57°C) 155°F (68°C) 175°F (79°C) 200°F (93°C)

Specification



- 1 Deflector; 2 Set Screw; 3 Glass Bulb;
- 4 Spring Seal; 5 Button; 6 Frame

Model	NX021	NX022
Style	Horizontal Sidewall Sprinkler	
Bulb Nominal Dia. & Response	Ø5mm, Standard Response	Ø3mm, Quick Response
Thread Size	□ NPT1/2 or □ R1/2	
Nominal Orifice Size	1/2 Inch	
Nominal K-Factor	5.6 (U.S.) / 80 (metric)	
Max. Working Pressure	175 psig / 1.2 MPa (12 bar)	
Sprinkler Finish	□ Natural Brass or □ Chrome Plated	
Nominal Temp. Rating	□ 135°F/57°C or □ 155°F/68°C or □ 175°F/79°C or □ 200°F/93°C	
Max. Ambient Temp.	135°F, 155°F: 100°F (38°C); 175°F, 200°F: 150°F (65°C)	
Listings and Approvals	UL/FM	

CERTIFICATE OF COMPLIANCE

Certificate Number 20190724-EX6430
Report Reference EX6430-20040429
Issue Date 2019-JULY-24

Issued to: Nanjing TUNA Fire Protection Co Ltd
599 ZHUSHAN RD
JIANGNING DISTRICT
NANJING
JIANGSU 211112 CHINA

**This certificate confirms that
representative samples of**

SPRINKLERS, AUTOMATIC AND OPEN
See Addendum page

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL199 Standard for 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* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure 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.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Models

Automatic sprinklers incorporating frangible 3mm and 5mm glass bulbs manufactured of the following models, types, and temperature

NX001,NX002,NX021,NX022,NX003,NX004,NX023,NX024,NX005,NX006,NX025,NX026,NX007,NX008,NX017,NX018



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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Certificate of Compliance

This certificate is issued for the following equipment:

Automatic Sprinklers for Fire Protection

Model	K	Type	Resp.	Element	NPT (in.) or R	Finishes	Temperature Ratings °F (°C)
NX021	5.6	Horizontal Sidewall	SR	Job G5 5mm	1/2	Brass, Chrome	135, 155, 200 (57, 68, 93)
NX022	5.6	Horizontal Sidewall	QR	Job F3 3mm	1/2	Brass, Chrome	135, 155, 175, 200 (57, 68, 79, 93)

Prepared for:

Nanjing Fire Protection Technology Co., Ltd., No. 599 Zhushan Road, Jiangning District, Nanjing, China

Manufacturing Location:

Nanjing Fire Protection Technology Co., Ltd., No. 599 Zhushan Road, Jiangning District, Nanjing, China

FM Approvals Class: 2012

FM Approval Standard: Class Series 2000 (February 2018)


Approval Identification: 3053441

Approval Granted: November 4, 2020

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
1151 Boston-Providence Turnpike
Norwood, MA 02062
USA