

Reliable®

Model G XLO K11.2 (160 metric) Standard Spray Standard Response Storage and Non-storage Sprinkler

Extra Large Orifice Sprinkler (SIN R2921) Upright (SIN R2916) Pendent

Features

1. Upright cULus Listed as a Control Mode Density Area (CMDA) sprinkler for storage & non-storage protection.
2. Upright and Pendent FM Approved as Standard-response, storage, non-storage and CMDA sprinklers.
3. Standard 3/4-inch NPT or ISO 7-R3/4 threads; optional 1/2-inch NPT or ISO 7-R1/2 threads for upright retrofit applications only.
4. The 3/4" G XLO upright is cULus listed to be used with the D-6 guard/shield and is FM approved to be used with the D-7 guard/shield. The G XLO pendent is FM approved to be used with the D-8 guard or the D-9 guard/shield. See Bulletin 208.

Listings & Approvals:

The following organizations provide Listings or Approvals for Model G XLO sprinklers. See the Technical Data table for listing and approvals applicable to each sprinkler.

1. Underwriters Laboratories, Inc. and Underwriters Laboratories of Canada (cULus) - Upright only.
2. Approved by Factory Mutual (FM) as a storage, non-storage, and CMDA sprinkler - Upright and Pendent.

UL Guide Number

VNIV

UL Listing Category

Sprinklers, Automatic and Open; Sprinklers for Storage Protection (Control Mode Density Area)

Technical Data

Sprinkler Type	Nominal K Factor		Sprinkler Height	Approvals	Sprinkler Identification Number (SIN)
	US	Metric			
Upright 0.64 Orifice with 3/4" NPT (R3/4)	11.2	160	2.71" (68.8mm)	cULus, FM	R2921
Upright Retrofit 0.64 Orifice with 1/2" NPT (R1/2)	11.2	160	2.82" (71.6mm)	cULus, FM	R2921
Pendent 0.64 Orifice with 3/4" NPT (R3/4)	11.2	160	2.71" (68.8mm)	FM	R2916

Note: This product has been tested and listed for storage applications to qualify its use in lieu of 5.6K or 8.0K Factor sprinklers for the protection of high-piled storage.



Model G XLO Upright



Model G XLO Pendent

Product Description

The Reliable Model G XLO sprinkler is a center strut, solder in compression, extra large orifice sprinkler that has been designed for storage and non-storage applications. The Model G XLO sprinkler is available in either an upright or pendent configuration. The Model G XLO sprinkler is available with either 3/4-inch NPT or ISO 7-R3/4 threads. The Model G XLO Upright is optionally available with either 1/2-inch NPT or ISO 7-R1/2 threads for retrofit applications only.

Design Criteria

The Model G XLO sprinkler is intended for use as a standard response standard spray sprinkler in hydraulically designed sprinkler systems with a minimum pressure of 7 psi (0.5 bar) in accordance with the area/density curves of NFPA 13 or in accordance with FM Property Loss Prevention Data Sheets.

The Model G XLO sprinkler is not a "Large Drop" or "ESFR" sprinkler.

Temperature Ratings

Classification	Sprinkler Rating		Maximum Ambient Temperature		Frame Color
	°F	°C	°F	°C	
Ordinary	165	74	100	38	Uncolored
Intermediate	212	100	150	66	White
High	286	141	225	107	Blue

Finishes

Standard Finishes	
Bronze	
Chrome ⁽³⁾	
Special Application Finishes	
Lead Plated ^{(1) (3)}	- 165°F (74°C), 212°F (100°C) and 286°F (141°C) Temp. Ratings
Wax ^{(1) (2) (3)}	- 165°F (74°C) Clear Wax, 212°F (100°C) Brown Wax
Wax/Lead ^{(1) (2) (3)}	- 165°F (74°C) Clear Wax, 212°F (100°C) Brown Wax

⁽¹⁾ cULus.

⁽²⁾ 212°F (100°C) Brown wax may be used on 286°F (141°C) Sprinklers when maximum ambient temperatures do not exceed 150°F (66°C).

⁽³⁾ Upright only.

Installation

Reliable's Model G XLO sprinkler must be installed according to NFPA Standards or the appropriate Factory Mutual Loss Prevention Data Sheets for all area/density methods of design as well as requirements of the Authority Having Jurisdiction.

Model GXLO sprinklers must be installed with the Reliable Model H sprinkler wrench. Any other type of wrench may damage the sprinkler.

A leak tight joint should be obtained with a torque of 14 to 20 lb-ft (19 to 27 N-m) for 3/4-inch NPT and ISO 7-R3/4 thread sprinklers. For 1/2-inch NPT and ISO 7-R1/2 thread sprinklers the recommended installation torque is 8 to 18 lb-ft (11 to 24 N-m). Do not tighten sprinklers over the maximum recommended installation torque, because it may cause leakage or impairment of the sprinklers.

Maintenance

Model GXLO Sprinklers should be inspected and the sprinkler system maintained in accordance with NFPA 25. Do not clean sprinklers with soap and water, ammonia or any other cleaning fluids. Remove dust by using a soft brush or gentle vacuuming. Replace any sprinkler which has been painted (other than factory applied) or damaged in any way. A stock of spare sprinklers should be maintained to allow quick replacement of damaged or operated sprinklers. Prior to installation, sprinklers should be maintained in the original cartons and packaging until used to minimize the potential for damage to sprinklers that would cause improper operation or non-operation.

Ordering Information

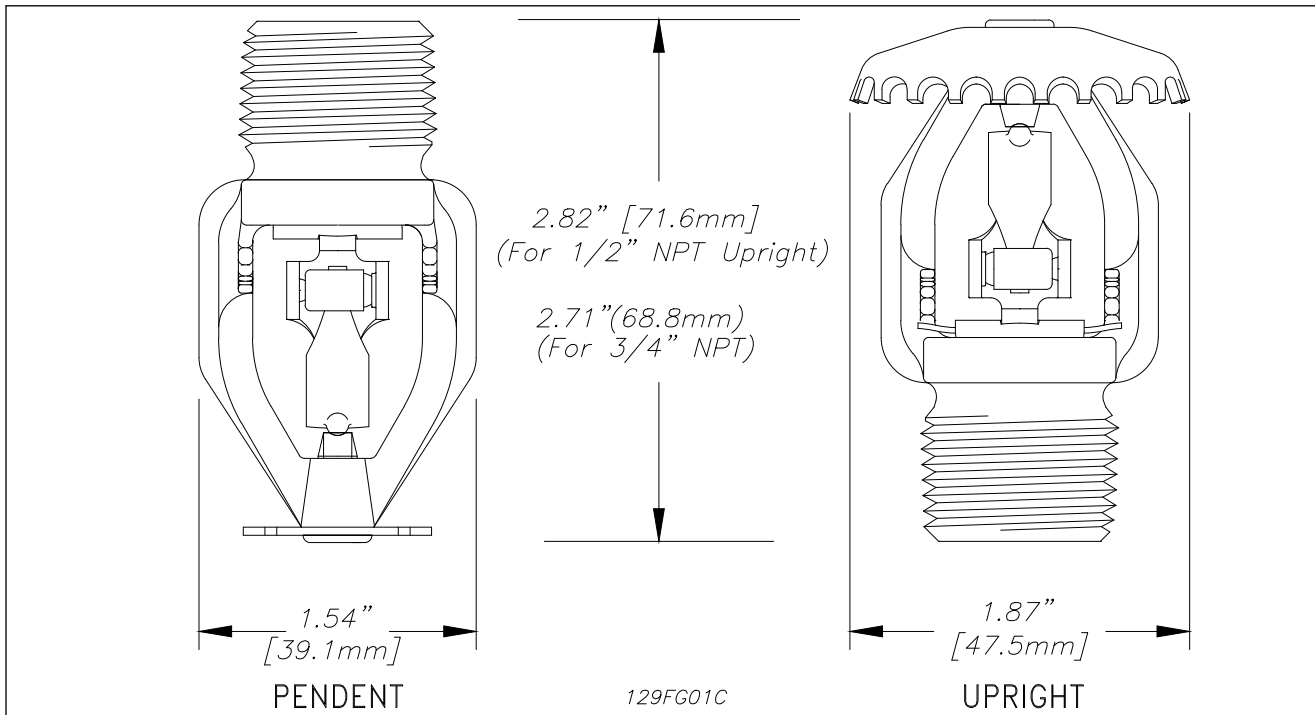
Specify:

1. Sprinkler: Model GXLO
2. Orientation/Deflector: [Upright] [Pendent]
3. Temperature Rating: [Ordinary, 165°F] [Intermediate, 212°F] [High 286°F]
4. Finishes: (See Finishes Chart)
5. Threads: [3/4-inch NPT] [ISO 7-R3/4] [1/2-inch NPT (Upright only)] [ISO 7-R1/2 Upright only]
6. Guard: [None] [D-6 (Upright cULus)] [D-7 (Upright FM)] [D-8 (Pendent FM No Shield)] [D-9 (Pendent FM with Shield)]

Model H Sprinkler



Use only the Model H sprinkler wrench for sprinkler removal and installation. Any other type of wrench may damage the sprinkler.



The equipment presented in this bulletin is to be installed in accordance with the latest published Standards of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.

Products manufactured and distributed by Reliable have been protecting life and property for over 90 years, and are installed and serviced by the most highly qualified and reputable sprinkler contractors located throughout the United States, Canada and foreign countries.

Manufactured by

Reliable®

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Revision lines indicate updated or new data.

EG. Printed in U.S.A. 06/15 P/N 9999970022