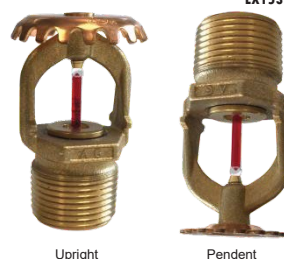


GA SERIES / MODEL GA-11

Storage / Control Mode Sprinkler

Quick Response Sprinkler

Upright & Pendent



Upright

Pendent

PRODUCT DESCRIPTION

Upright and Pendent sprinkler Model GA-11 described in this data sheet are sprinklers storage for use in storage and Light or Ordinary Hazard application.

The main use of these sprinklers when the installation provides low pressures and the use of sprinkler with smaller orifice require the use of an additional pressure pump. So this sprinkler is perfect for controlling fires in storage with relatively low water pressures.

Thermosensitive glass bulb 3 mm is used. They have a capacity to react 6 times faster than standard response sprinklers. The bulb contains a special liquid hermetically sealed in a glass capsule.

TECHNICAL DATA

Nominal "K" Factor	11,2 (160 metric)
Thread Size	3/4" NPT (R3/4)
Temperatures	155°F (68°C) 175°F (79°C) 200°F (93°C) 286°F (141°C)
Working Pressure	175 psi (12 bar)
Materials	Frame: Brass Alloy Deflector: Cooper Alloy Screw: Brass Alloy Bulb Seat: Brass Alloy Sealing Spring: Nickel Alloy Bulb: Glass, 3 mm size
Reference	Pendent: GA1114 Upright: GA1123
Finish	Bronze

OPERATION

At normal temperatures, the glass bulb contains the fluid in both the liquid phase and the vapor phase. The vapor phase can be seen as a small bubble. As heat is applied, the liquid expands forcing the bubble smaller and smaller as the liquid pressure increases. Continued heating forces the liquid to push out against the bulb, causing to shatter, opening the waterway and allowing the deflector to distribute the discharging water.

INSTALLATION

Model GA-11 sprinklers are quick response sprinklers intended for installation as specified in NFPA13. They must also be installed with the Model **AC** Sprinkler Wrench specifically designed by AG Fire Sprinkler for use with these sprinklers.

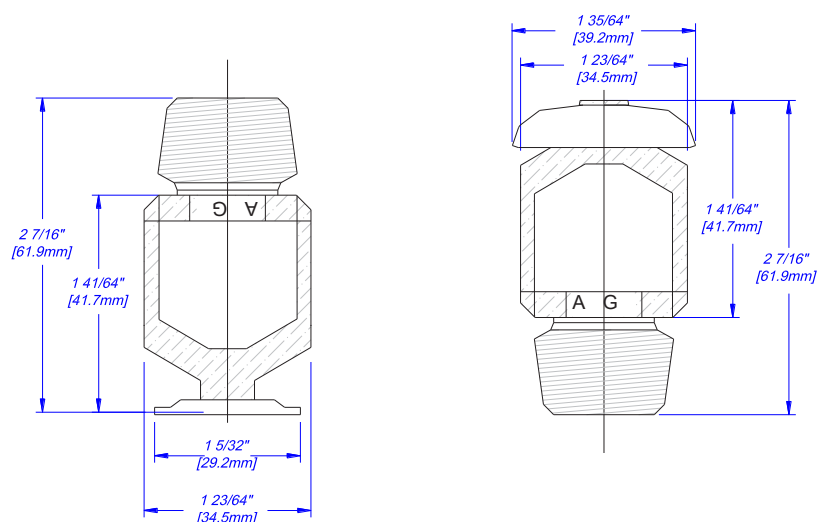
A leak tight 3/4" NPT (R3/4) sprinkler joint can be obtained with a torque of 8-18ft-lbs (10,8-24,4N-m). Do not tighten sprinklers over maximum recommended torque. It may cause leakage or impairment of these sprinklers.

The glass bulb sprinklers come with a blister protection, to avoid breakage during assembly, will be orange. Remove this protection once installed and made sure that everything is correct. The AG Sprinkler Wrenches are designed to install sprinklers with the protection still.

TEMPERATURE RATINGS

Classification	Sprinkler Temperature		Max. Ambient Temperature		Bulb Color
	°F	°C	°F	°C	
Ordinary	155	68	100	38	Red
Intermediate	175	79	150	66	Yellow
Intermediate	200	93	150	66	Green
High	286	141	225	107	Blue

DIMENSIONS



ORDERING INFORMATION

P/N	GAXXXX Y Z
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DESCRIPTION	CODE
Pendant	GA1114
Upright	GA1123

Y	2	68°C	155°F
	4	79°C	175°F
	5	93°C	200°F
	7	141°C	286°F

Z	1	BRASS
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Specify:

Quantity	
Model Number	
Type	
Orifice	
Thread Size	
Temperature	
Finishes	
Quantity - Wrenches	