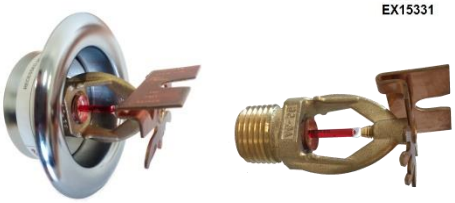
GA SERIES / MODEL GA5628

Extended Coverage / Light Hazard
Quick Response Sprinkler
Recessed Horizontal Sidewall, Horizontal Sidewall

c UL us
EX15331



PRODUCT DESCRIPTION

AG Fire Sprinkler Model GA5628, Horizontal Sidewall sprinklers described in this technical data sheet are extended coverage, light hazard, quick response.

Using extended coverage sprinkler can reduce installation costs by requiring fewer sprinklers, less piping and less labor than commercial sprinklers.

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	5.6 (80 metric)
Thread Size	1/2" NPT
Temperatures	135ºF (57ºC) 155ºF (68ºC) 175ºF (79ºC) 200ºF (93ºC)
Maximum Working Pressure	175psi (12bar)
Materials	Frame: Brass Alloy Deflector: Cooper Alloy Screw: Brass Alloy Bulb Seat: Copper Alloy Sealing Spring: Nickel Alloy Bulb: Glass, 3mm size
Reference	**GA5628**
Finish[1]	Bronze Chrome Polyester

1. Other Finishes available under request.

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.

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

INSTALLATION

Model GA5628 sprinklers are quick response sprinklers intended for installation as specified in NFPA13. They must also be installed with the Model **AB** or **CO1** Sprinkler Wrench specifically designed by AG Fire Sprinkler for use with these sprinklers.

A leak tight 1/2" NPT (R1/2) 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 sprinklers come with an orange protection, to avoid breakage during assembly. 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.

Note: Installation with a positive pressure above the housing is not pernitted.

TEMPERATURE RATINGS

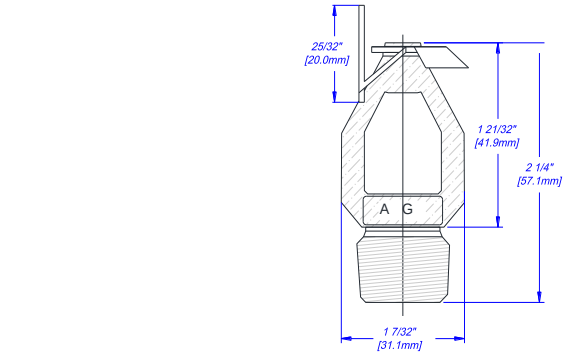
Classification	Sprinkler Temperature		Max. Ambient Temperature		Bulb Color
	ºF	ºC	ºF	ºC	
Ordinary	135	57	100	38	Orange
Ordinary	155	68	100	38	Red
Intermediate	175	79	150	66	Yellow
Intermediate	200	93	150	66	Green

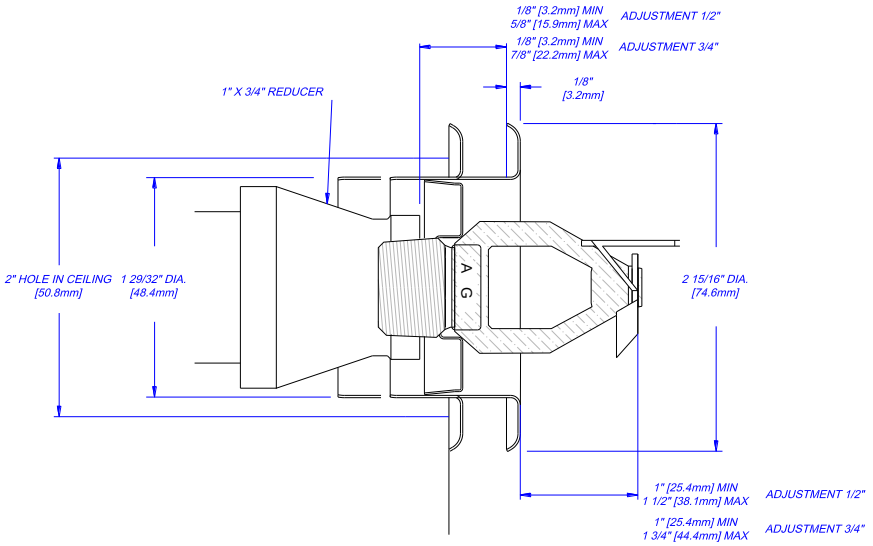
cULus LISTING – LIGHT HAZARD

GA5628	Temperatures				Ceiling to deflector distance	Width of Coverage	Length of Coverage	Minimum pressure	Flow
	135ºF (57ºC)	155ºF (68ºC)	175ºF (79ºC)	200ºF (93ºC)					
Horizontal Sidewall			X		4" to 12" (101.6mm to 304.8mm)	16ft (4.9m)	20ft (6.1m)	32.7psi (2.25bars)	32gpm (120l/min)
Horizontal Sidewall & Recessed	X	X	X		4" to 12" (101.6mm to 304.8mm)	16ft (4.9m)	16ft (4.9m)	21.6psi (1.49bars)	26gpm (98l/min)
	X	X	X			16ft (4.9m)	18ft (5.5m)	26.8psi (1.85bars)	29gpm (110l/min)
	X		X			16ft (4.9m)	20ft (6.1m)	32.7psi (2.25bars)	32gpm (120l/min)
	X	X	X			18ft (5.5m)	18ft (5.5m)	32.7psi (2.25bars)	32gpm (120l/min)
Horizontal Sidewall & Recessed				X	4" to 6" (101.6mm to 152.4mm)	16ft (4.9m)	16ft (4.9m)	21.6psi (1.49bars)	26gpm (98l/min)
				X		16ft (4.9m)	18ft (5.5m)	26.8psi (1.85bars)	29gpm (110l/min)
				X		18ft (5.5m)	18ft (5.5m)	32.7psi (2.25bars)	32gpm (120l/min)

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

DIMENSIONES





ORDERING INFORMATION

P/N	GAXXXX Y Z

DESCRIPTION	CODE
Horizontal	GA5628

Y			
	1	57ºC	135ºF
	2	68ºC	155ºF
	4	79ºC	175ºF
	5	93ºC	200ºF

Z		
	1	BRASS
	2	CHROME
	3	WHITE RAL9003

Specify:

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

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

AG FIRE SPRINKLER

AG Fire Sprinkler offers a wide selection of components. Then a list of products is presented by AG Fire Sprinkler, we can offer all these components, made with precision to protect people, anywhere, anytime.

- Sprinklers:
  - Basic
  - Extended Coverage
  - Storage
  - Dry
  - Accessories
- Alarm Check Valves for Sprinkler
  - Wet
  - Dry
  - Preaction Equipment
  - Accessories
- Spray System Open Nozzles
  - High Velocity Nozzles
  - Medium Velocity Nozzles
  - Window Nozzles
  - Hydroshield Nozzles
  - Mushroom Type Nozzles
- Foam equipment
  - Bladder Tanks
  - Proportioners for Bladder Tanks
  - Foam Discharge Equipment
  - Foam Concentrates
- Alarm Check Valves for Water Spray and Foam
  - Clapper Deluge Valves
  - Diaphragm Deluge Valves
- Monitors
  - Manual Monitors
  - Remote Monitors
  - Monitor Towers
  - Monitors Trolleys
- Valves
  - Butterfly Valves
  - Gate Valves
  - Check Valves
  - Pressure Control Valves
  - Test and Drain
  - Hose, Hydrant and Fire Connection Valves
  - Fire Department Connections

The equipment presented in this bulletin is to be installed in accordance with the latest published Standard 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.
This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08