

## **Standard / Quick Response Automatic Sprinkler**

**Model: K=80 (5.6)**

Pendent, Upright, Horizontal Sidewall, and Concealed

Version 1.01  
January 2025 release

## Commercial Sprinklers



Mode	Sidewall Sprinkler
Type	HA01
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	5mm glass bulb
Style	Standard Response
Temp.	57°C, 68°C, 79°C, 93°C, 141°C
Thread Size	½" NPT or ½" BSPT
Cert.	FM / UL



Mode	Sidewall Sprinkler
Type	HA02
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	3mm glass bulb
Style	Quick Response
Temp.	57°C, 68°C, 79°C, 93°C, 141°C
Thread Size	½" NPT or ½" BSPT
Cert.	FM / UL



Mode	Upright Sprinkler
Type	HA03
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	5mm glass bulb
Style	Standard Response
Temp.	57°C, 68°C, 79°C, 93°C, 141°C
Thread Size	½" NPT or ½" BSPT
Cert.	FM / UL



Mode	Upright Sprinkler
Type	HA04
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	3mm glass bulb
Style	Quick Response
Temp.	57°C, 68°C, 79°C, 93°C, 141°C
Thread Size	½" NPT or ½" BSPT
Cert.	FM / UL



Mode	Pendent Sprinkler
Type	HA05
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	5mm glass bulb
Style	Standard Response
Temp.	57°C, 68°C, 79°C, 93°C, 141°C
Thread Size	½" NPT or ½" BSPT
Cert.	FM / UL



Mode	Pendent Sprinkler
Type	HA06
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	3mm glass bulb
Style	Quick Response
Temp.	57°C, 68°C, 79°C, 93°C, 141°C
Thread Size	½" NPT or ½" BSPT
Cert.	FM / UL



Mode	Conventional Sprinkler
Type	HA07
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	5mm glass bulb
Style	Standard Response
Temp.	57°C, 68°C, 79°C, 93°C, 141°C
Thread Size	½" NPT or ½" BSPT
Cert.	UL



Mode	Conventional Sprinkler
Type	HA08
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	3mm glass bulb
Style	Quick Response
Temp.	57°C, 68°C, 79°C, 93°C, 141°C
Thread Size	½" NPT or ½" BSPT
Cert.	UL



Mode	Concealed Pendent Sprinkler
Type	HA09
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	5mm glass bulb
Style	Standard Response
Temp.	57°C / 74°C (Cover Plate), 57°C, 68°C, 79°C, 93°C (Sprinkler)
Thread Size	½" NPT or ½" BSPT
Cert.	UL

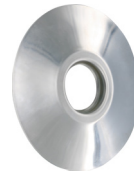


Mode	Concealed Pendent Sprinkler
Type	HA10
K Factor gpm / (psi) <sup>1/2</sup> (L3 / min (bar) <sup>1/2</sup> )	5.6 (80)
Thermos sensitive element	3mm glass bulb
Style	Quick Response
Temp.	57°C / 74°C (Cover Plate), 57°C, 68°C, 79°C, 93°C (Sprinkler)
Thread Size	½" NPT or ½" BSPT
Cert.	UL

## Sprinkler Accessories



Mode	Adjustable Two-Piece Escutcheon
Type	HA210
Material	SPCC
Surface treatment	Chrome Plated / White Plated
Outer dia.	73mm
Inner dia.	43.8mm
Apply	½", ¾" sprinklers



Mode	One-Piece Escutcheon
Type	HA211
Material	SS304 / SPCC
Outer dia.	73.6mm
Height	5mm
Apply	½" sprinklers



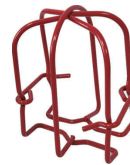
Mode	Concealed Cover Plate
Type	HA212
Material	Brass
Surface treatment	Chrome Plated / White Plated
Outer dia.	82mm
Apply	½" Concealed type sprinklers



Mode	Sprinkler Wrench
Type	HA-W1
Material	Carbon steel
Surface treatment	Black coated
Length	250mm
Apply	½" sprinklers



Mode	Concealed Sprinkler Wrench
Type	HA-2
Material	Carbon steel
Surface treatment	Galvanize
Apply	½" Concealed type sprinklers



Mode	Sprinkler Head Guard
Type	HA155
Material	Steel
Surface treatment	Polyester Coating
Apply	½" sprinklers



Mode	Sprinkler Head Guard
Type	HA156
Material	Steel
Surface treatment	Polyester Coating
Apply	½" sprinklers



Mode	Sprinkler Spare Cabinet
Type	HA351
Material	SPCC
Surface treatment	Red / Customized
Apply	½" or ¾" sprinklers
Optional	3 / 6 / 12 / 24 / 36 pieces

## Approvals

Model	Response	Style	Thread	K Factor	Length	Hazard <sup>(1)</sup>	Temperature	CCC	cULus	FM
Ut0002(2)	Quick	Horizontal Sidewall	½" NPT	80 (5.6)	53.8mm (2-1/8")	LH/ OH	57°C (135°F)	x	x	x
							68°C (155°F)	x	x	x
							79°C (175°F)	x	x	x
							93°C (200°F)	x	x	x
							141°C (286°F)	x	x	x
Ut0004	Quick	Upright	½" NPT	80 (5.6)	53.8mm (2-1/8")	LH/ OH	57°C (135°F)	x	x	x
							68°C (155°F)	x	x	x
							79°C (175°F)	x	x	x
							93°C (200°F)	x	x	x
							141°C (286°F)	x	x	x
Ut0006	Quick	Pendent	½" NPT	80 (5.6)	53.8mm (2-1/8")	LH/ OH	57°C (135°F)	x	x	x
							68°C (155°F)	x	x	x
							79°C (175°F)	x	x	x
							93°C (200°F)	x	x	x
							141°C (286°F)	x	x	x

**(1)** Sprinklers shall be limited to the requirements of NFPA 13 and any other related documents. **(2)** Horizontal sidewall are cULus/ FM Listed for deflector 100mm - 300mm (4" - 12") below the ceiling. **(3)** FM Approvals do not list Conventional Sprinklers.  
LH: Light Hazard | OH: Ordinary Hazard

**WARNING:** Do not install any bulb type sprinkler if the bulb is cracked or with no liquid in the bulb

## Sprinkler Installation

1. Only install sprinklers in their correct orientation.
2. With pipe thread sealant applied to the pipe threads, hand tighten the sprinkler into the sprinkler fitting.
3. Tighten the sprinkler into the sprinkler fitting using only the WR-3 Sprinkler Wrench on the wrench flats provided. A leak-tight 1/2 in. NPT sprinkler joint should be obtained by applying a minimum-to-maximum torque of 9.5 to 19 N-m (7 to 14 lb.-ft). Do NOT over tighten as this could cause the sprinkler frame to distort and cause leakage.
4. Only remove bulb protector once the ceiling is finished and prior to putting sprinkler system into service.

## Care and Maintenance

Prior to installation, it is important to read and follow the "Sprinkler Caution" sheet included within each box of sprinklers. This sheet (ZYFE-CSGB) is available on UTEC's website ([www.zjutec.com](http://www.zjutec.com)).

Store sprinklers in a cool, dry place.

Absence of an escutcheon, used to cover a ceiling hole, may delay sprinkler operation in a fire situation.

It is the owner's responsibility for inspection, testing and maintenance of the fire sprinkler system with all components and devices in accordance with local standards (AS1851/ NFPA25/ FM 2-81) as well as any other requirements as set forth by the local Authority Having Jurisdiction (AHJ).

## Ordering Information

Order UTEC Sprinklers by using the Model # and by adding the appropriate suffix for the sprinkler finish , the temperature and Thread

**Finish Suffix:** Brass = B, Chrome = C,  
White Polyester = W

**Thread Suffix:** NPT1/2=N, BSPT1/2=B,

For example, sprinkler Ut0001 with a 1/2" NPT thread, Brass finish and a 68°C/155°F temperature rating:

Part No. :Ut0001- N/B/68



Gate 2, Aljada Logistics Area,  
Behind Arada Project Management  
Office, Near Airport Road,  
Muweilah, 22436, Sharjah

[rhinotek.ae](http://rhinotek.ae)