

Sentry Sprinklers®

Model SY8011

Standard Coverage, Standard Response Upright Sprinkler, K-factor 5.6 (80 metric)

Description:

Sentry Sprinklers Model SY8011 is an Automatic and or Open Standard Response Upright Sprinkler head that utilizes a frangible thermo-sensitive glass bulb to operate the sprinkler. The sprinkler is available in various finishes and temperatures. Sprinkler Model SY8011 is listed and approved for standard coverage for Light and Ordinary hazards. Model SY8011 is a 5.6 K-Factor (80 metric) intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listings or approved agency. The Upright Sprinkler produces a hemispherical water distribution pattern below the deflector.

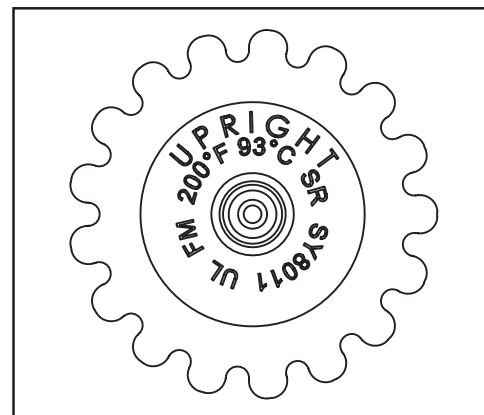
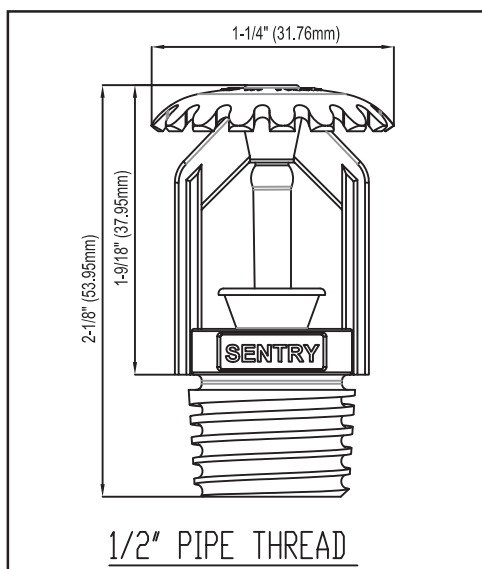


Technical Data:

Model SY8011



Minimum Operating Pressure:	7 psi (0.5 bar)
Maximum working Pressure:	175 PSI (12 bar)
Factory Test:	100% @ 500 psi (34.5 bar) Hydrostatically
Nominal K-Factor:	5.6 (80 metric)
Thread Size:	1/2" NPT
Bulb size:	5 mm



Sentry Sprinklers®

Model SY8011

Standard Coverage, Standard Response Upright
Sprinkler, K-factor 5.6 (80 metric)

Operation:

Upon fire initiation within a protected hazard, the temperature inside the hazard rises causing the liquid inside the Thermo-Sensitive bulb to expand. The liquid expansion causes the glass bulb to break, releasing the bulb seat assembly. The water discharges through the sprinkler orifice striking the deflector producing a uniform distribution pattern within the hazard area.

<u>Approval</u>	<u>Material Standard</u>	
UL	Frame:	Brass
FM	Deflector:	Bronze
	Screw	Brass
	Bulb:	Glass with Glycerin Solution, 5mm nominal
	Spring:	Stainless Steel
	Seal:	Teflon Tape



Coverage:

For coverage area and placement of the sprinkler refer to NFPA 13 standard.

Guarantee:

Sentry Sprinklers shall replace any of its products if found to be defective in materials or workmanship for a period of one year from order date. The guarantee does not cover wear and tear or improper installation.

Installation:

All sprinkler heads must be inspected prior to installation. If a sprinkler is damaged, the bulb is cracked, the bulb has loss of liquid and or lost its protective strap, do not install the sprinkler and contact Sentry Sprinklers for replacement. With the sprinkler held in the horizontal orientation, a small air bubble should be present inside the glass bulb.

Sentry Sprinklers®

Model SY8011

Standard Coverage, Standard Response Upright
Sprinkler, K-factor 5.6 (80 metric)

Use Sentry Sprinklers recommended wrench to install the sprinkler. Slide the sprinkler wrench around the sprinkler frame arms and press the wrench down to engage sprinkler wrench flats. Rotate the wrench clockwise to tighten the sprinkler head. The frame arms must be parallel to the pipe. Never tighten the sprinkler from sprinkler arms. Any torque applied to the frame arms will dislodge the bulb seating assembly causing the sprinkler to leak.

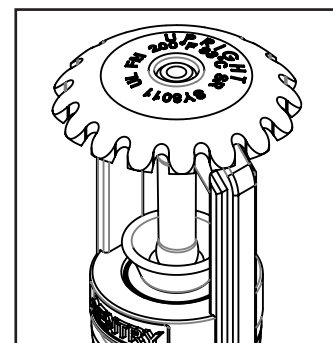
Do not remove the sprinkler strap until the sprinkler system is under commissioning for operation.

For additional details, refer to NFPA and UL for installation guidelines.

Care and Maintenance:

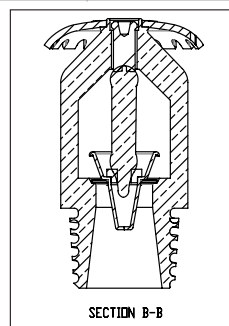
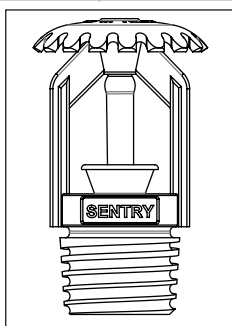
The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Refer to NFPA 25 for inspection, testing and maintenance requirements. It is recommended that an automatic sprinkler system be inspected quarterly by qualified inspection personnel.

Sprinklers must not be painted, coated or otherwise altered after leaving the factory. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, should be replaced.



UPRIGHT SPRINKLERS				
SIN + TEMPERATURE + FINISH CODE				
PART	SY8011135*	SY8011155*	SY8011175*	SY8011200*
K-FACTOR	5.6 (80 METRIC)	5.6 (80 metric)	5.6 (80 metric)	5.6 (80 metric)
ORIENTATION	UPRIGHT	UPRIGHT	UPRIGHT	UPRIGHT
RESPONSE	STANDARD	STANDARD	STANDARD	STANDARD
TEMPERATURE	135° F (57° C)	155° F (68° C)	175° F (79° C)	200° F (93° C)
BULB COLOR	ORANGE	RED	YELLOW	GREEN
TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
HAZARD TYPE	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY
APPROVAL	UL/FM	UL/FM	UL/FM	UL/FM
THREADS	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT

* FINISH CODE: 1 FOR BRASS, 2 FOR CHROME, 3 FOR WHITE



Sentry Sprinklers®

Model SY8012

Standard Coverage, Quick Response Upright Sprinkler, K-factor 5.6 (80 metric)

Description:

Sentry Sprinklers Model SY8012 is an Automatic and or Open Quick Response Upright Sprinkler head that utilizes a frangible thermo-sensitive glass bulb to operate the sprinkler. The sprinkler is available in various finishes and temperatures. Sprinkler Model SY8012 is listed and approved for standard coverage for Light and Ordinary hazards. Model SY8012 is a 5.6 K-Factor (80 metric) intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listings or approved agency. The Upright Sprinkler produces a hemispherical water distribution pattern below the deflector.

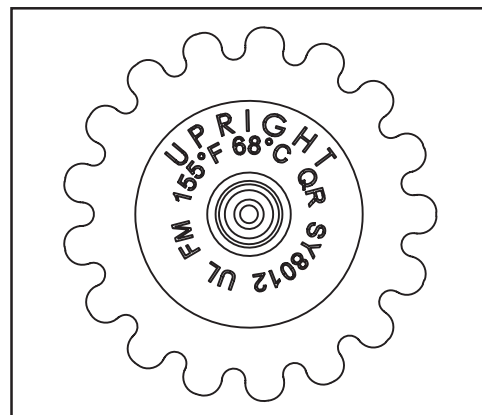
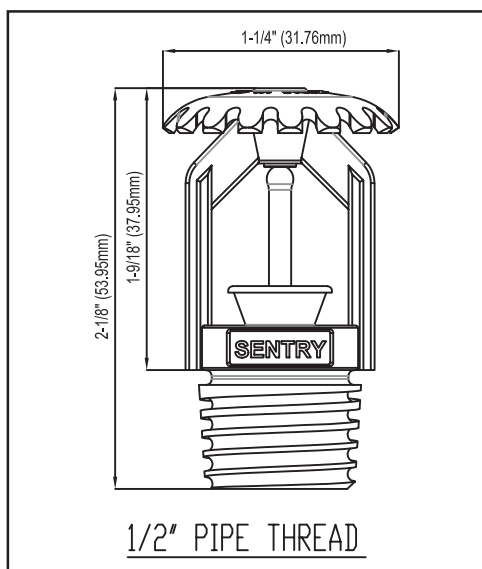


Technical Data:

Model SY8012



Minimum Operating Pressure:	7 psi (0.5 bar)
Maximum working Pressure:	175 PSI (12 bar)
Factory Test:	100% @ 500 psi (34.5 bar) Hydrostatically
Nominal K-Factor:	5.6 (80 metric)
Thread Size:	1/2" NPT
Bulb size:	3mm



Sentry Sprinklers®

Model SY8012

Standard Coverage, Quick Response Upright
Sprinkler, K-factor 5.6 (80 metric)

Operation:

Upon fire initiation within a protected hazard, the temperature inside the hazard rises causing the liquid inside the Thermo-Sensitive bulb to expand. The liquid expansion causes the glass bulb to break, releasing the bulb seat assembly. The water discharges through the sprinkler orifice striking the deflector producing a uniform distribution pattern within the hazard area.

<u>Approval</u>	<u>Material Standard</u>	
UL	Frame:	Brass
FM	Deflector:	Bronze
	Screw	Brass
	Bulb:	Glass with Glycerin Solution, 3mm nominal
	Spring:	Stainless Steel
	Seal:	Teflon Tape



Coverage:

For coverage area and placement of the sprinkler refer to NFPA 13 standard.

Guarantee:

Sentry Sprinklers shall replace any of its products if found to be defective in materials or workmanship for a period of one year from order date. The guarantee does not cover wear and tear or improper installation.

Installation:

All sprinkler heads must be inspected prior to installation. If a sprinkler is damaged, the bulb is cracked, the bulb has loss of liquid and or lost its protective strap, do not install the sprinkler and contact Sentry Sprinklers for replacement. With the sprinkler held in the horizontal orientation, a small air bubble should be present inside the glass bulb.

Sentry Sprinklers®

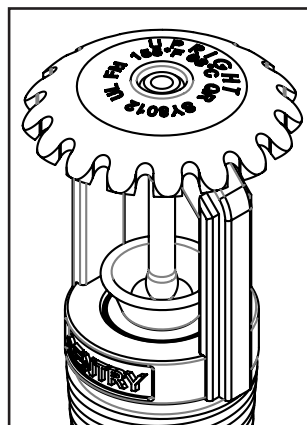
Model SY8012

Standard Coverage, Quick Response Upright
Sprinkler, K-factor 5.6 (80 metric)

Use Sentry Sprinklers recommended wrench to install the sprinkler. Slide the sprinkler wrench around the sprinkler frame arms and press the wrench down to engage sprinkler wrench flats. Rotate the wrench clockwise to tighten the sprinkler head. The frame arms must be parallel to the pipe. Never tighten the sprinkler from sprinkler arms. Any torque applied to the frame arms will dislodge the bulb seating assembly causing the sprinkler to leak.

Do not remove the sprinkler strap until the sprinkler system is under commissioning for operation.

For additional details, refer to NFPA and UL for installation guidelines.



Care and Maintenance:

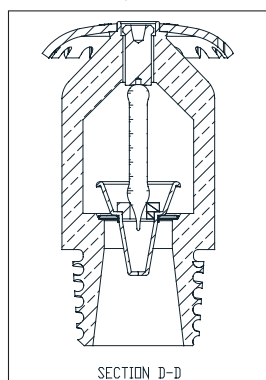
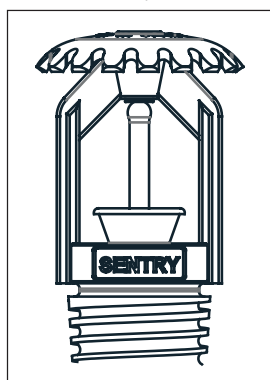
The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Refer to NFPA 25 for inspection, testing and maintenance requirements. It is recommended that an automatic sprinkler system be inspected quarterly by qualified inspection personnel.

Sprinklers must not be painted, coated or otherwise altered after leaving the factory. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, should be replaced.



UPRIGHT SPRINKLERS				
SIN + TEMPERATURE + FINISH CODE				
PART	SY8012135*	SY8012155*	SY8012175*	SY8012200*
K-FACTOR	5.6 (80 METRIC)	5.6 (80 metric)	5.6 (80 metric)	5.6 (80 metric)
ORIENTATION	UPRIGHT	UPRIGHT	UPRIGHT	UPRIGHT
RESPONSE	QUICK	QUICK	QUICK	QUICK
TEMPERATURE	135° F (57° C)	155° F (68° C)	175° F (79° C)	200° F (93° C)
BULB COLOR	ORANGE	RED	YELLOW	GREEN
TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
HAZARD TYPE	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY
APPROVAL	UL/FM	UL/FM	UL/FM	UL/FM
THREADS	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT

* FINISH CODE: 1 FOR BRASS, 2 FOR CHROME, 3 FOR WHITE



Sentry Sprinklers®

Model SY8021
Standard Coverage, Standard Response Pendent
Sprinkler, K-factor 5.6 (80 metric)

Description:

Sentry Sprinklers Model SY8021 is an Automatic and or Open Standard Response Pendent Sprinkler head that utilizes a frangible thermo-sensitive glass bulb to operate the sprinkler. The sprinkler is available in various finishes and temperatures. Sprinkler Model SY8021 is listed and approved for standard coverage for Light and Ordinary hazards. Model SY8021 is a 5.6 K-Factor (80 metric) intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listings or approved agency. The Pendent Sprinkler produces a hemispherical water distribution pattern below the deflector.

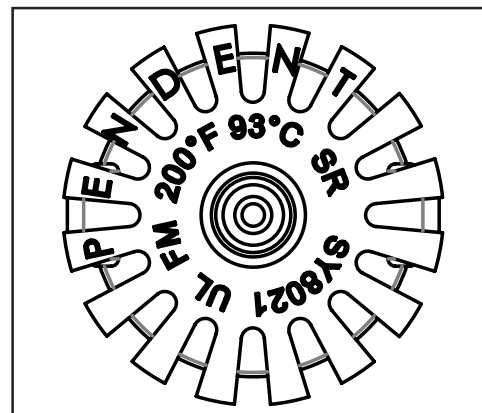
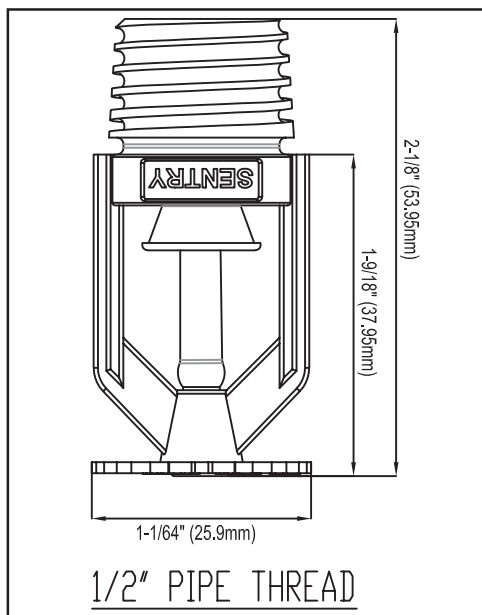


Technical Data:

Model SY8021



Minimum Operating Pressure:	7 psi (0.5 bar)
Maximum working Pressure:	175 PSI (12 bar)
Factory Test:	100% @ 500 psi (34.5 bar) Hydrostatically
Nominal K-Factor:	5.6 (80 metric)
Thread Size:	1/2" NPT
Bulb size:	5mm



Sentry Sprinklers®

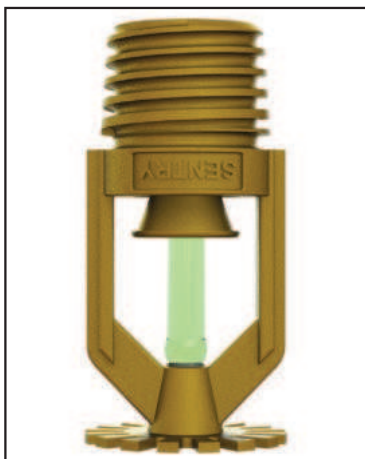
Model SY8021

Standard Coverage, Standard Response Pendent
Sprinkler, K-factor 5.6 (80 metric)

Operation:

Upon fire initiation within a protected hazard, the temperature inside the hazard rises causing the liquid inside the Thermo-Sensitive bulb to expand. The liquid expansion causes the glass bulb to break, releasing the bulb seat assembly. The water discharges through the sprinkler orifice striking the deflector producing a uniform distribution pattern within the hazard area.

<u>Approval</u>	<u>Material Standard</u>	
UL	Frame:	Brass
FM	Deflector:	Bronze
	Screw	Brass
	Bulb:	Glass with Glycerin Solution, 5mm nominal
	Spring:	Stainless Steel
	Seal:	Teflon Tape



Coverage:

For coverage area and placement of the sprinkler refer to NFPA 13 standard.

Guarantee:

Sentry Sprinklers shall replace any of its products if found to be defective in materials or workmanship for a period of one year from order date. The guarantee does not cover wear and tear or improper installation.

Installation:

All sprinkler heads must be inspected prior to installation. If a sprinkler is damaged, the bulb is cracked, the bulb has loss of liquid and or lost its protective strap, do not install the sprinkler and contact Sentry Sprinklers for replacement. With the sprinkler held in the horizontal orientation, a small air bubble should be present inside the glass bulb.

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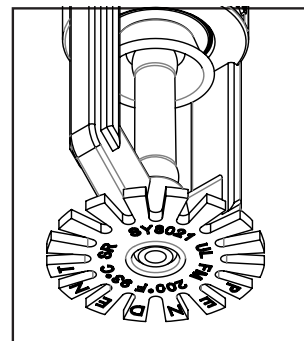
Model SY8021

Standard Coverage, Standard Response Pendent
Sprinkler, K-factor 5.6 (80 metric)

Use Sentry Sprinklers recommended wrench to install the sprinkler. Slide the sprinkler wrench around the sprinkler frame arms and press the wrench down to engage sprinkler wrench flats. Rotate the wrench clockwise to tighten the sprinkler head. The frame arms must be parallel to the pipe. Never tighten the sprinkler from sprinkler arms. Any torque applied to the frame arms will dislodge the bulb seating assembly causing the sprinkler to leak.

Do not remove the sprinkler strap until the sprinkler system is under commissioning for operation.

For additional details, refer to NFPA and UL for installation guidelines.



Care and Maintenance:

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Refer to NFPA 25 for inspection, testing and maintenance requirements. It is recommended that an automatic sprinkler system be inspected quarterly by qualified inspection personnel.

Sprinklers must not be painted, coated or otherwise altered after leaving the factory. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, should be replaced.

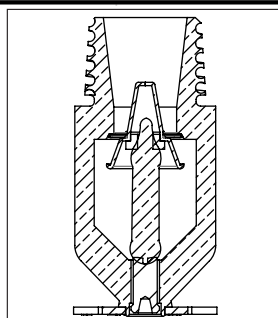
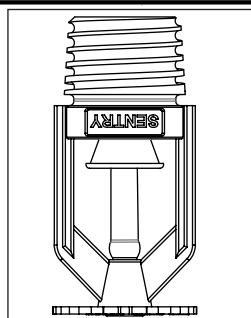
Note:

Absence of an escutcheon, which is used to cover a clearance hole, may delay sprinkler operation time in a fire situation.



PENDENT SPRINKLERS				
SIN + TEMPERATURE + FINISH CODE				
PART	SY8021135*	SY8021155*	SY8021175*	SY8021200*
K-FACTOR	5.6 (80 METRIC)	5.6 (80 metric)	5.6 (80 metric)	5.6 (80 metric)
ORIENTATION	PENDENT	PENDENT	PENDENT	PENDENT
RESPONSE	STANDARD	STANDARD	STANDARD	STANDARD
TEMPERATURE	135° F (57° C)	155° F (68° C)	175° F (79° C)	200° F (93° C)
BULB COLOR	ORANGE	RED	YELLOW	GREEN
TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
HAZARD TYPE	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY
APPROVAL	UL/FM	UL/FM	UL/FM	UL/FM
THREADS	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT

* FINISH CODE: 1 FOR BRASS, 2 FOR CHROME, 3 FOR WHITE



Sentry Sprinklers®

Model SY8022

Standard Coverage, Quick Response Pendent Sprinkler, K-factor 5.6 (80 metric)

Description:

Sentry Sprinklers Model SY8022 is an Automatic and or Open Quick Response Pendent Sprinkler head that utilizes a frangible thermo-sensitive glass bulb to operate the sprinkler. The sprinkler is available in various finishes and temperatures. Sprinkler Model SY8022 is listed and approved for standard coverage for Light and Ordinary hazards. Model SY8022 is a 5.6 K-Factor (80 metric) intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listings or approved agency. The Pendent Sprinkler produces a hemispherical water distribution pattern below the deflector.

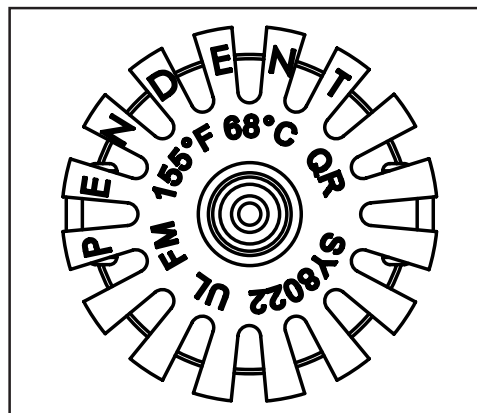
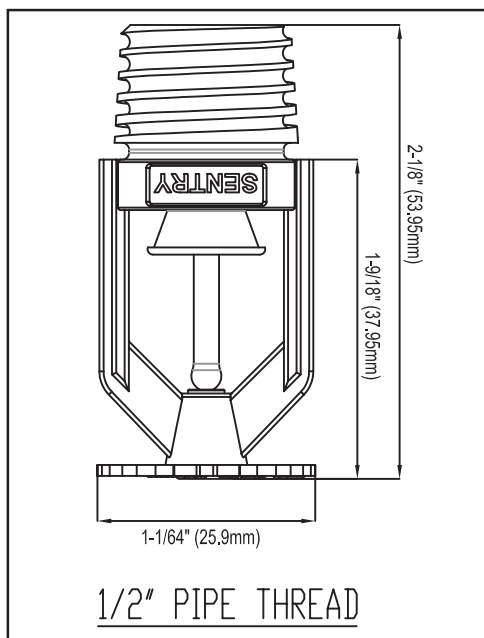


Technical Data:

Model SY8022



Minimum Operating Pressure:	7 psi (0.5 bar)
Maximum working Pressure:	175 PSI (12 bar)
Factory Test:	100% @ 500 psi (34.5 bar) Hydrostatically
Nominal K-Factor:	5.6 (80 metric)
Thread Size:	1/2" NPT
Bulb size:	3mm



Sentry Sprinklers®

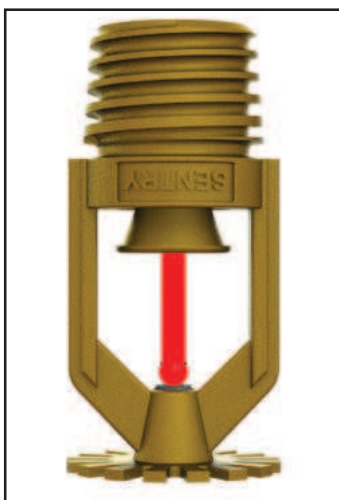
Model SY8022

Standard Coverage, Quick Response Pendent
Sprinkler, K-factor 5.6 (80 metric)

Operation:

Upon fire initiation within a protected hazard, the temperature inside the hazard rises causing the liquid inside the Thermo-Sensitive bulb to expand. The liquid expansion causes the glass bulb to break, releasing the bulb seat assembly. The water discharges through the sprinkler orifice striking the deflector producing a uniform distribution pattern within the hazard area.

<u>Approval</u>	<u>Material Standard</u>	
UL	Frame:	Brass
FM	Deflector:	Bronze
	Screw	Brass
	Bulb:	Glass with Glycerin Solution, 3mm nominal
	Spring:	Stainless Steel
	Seal:	Teflon Tape



Coverage:

For coverage area and placement of the sprinkler refer to NFPA 13 standard.

Guarantee:

Sentry Sprinklers shall replace any of its products if found to be defective in materials or workmanship for a period of one year from order date. The guarantee does not cover wear and tear or improper installation.

Installation:

All sprinkler heads must be inspected prior to installation. If a sprinkler is damaged, the bulb is cracked, the bulb has loss of liquid and or lost its protective strap, do not install the sprinkler and contact Sentry Sprinklers for replacement. With the sprinkler held in the horizontal orientation, a small air bubble should be present inside the glass bulb.

Sentry Sprinklers®

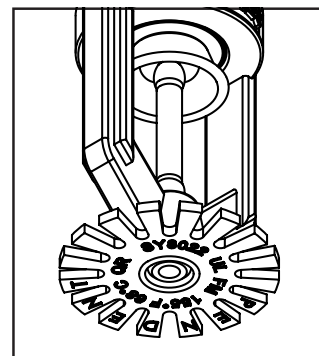
Model SY8022

Standard Coverage, Quick Response Pendent
Sprinkler, K-factor 5.6 (80 metric)

Use Sentry Sprinklers recommended wrench to install the sprinkler. Slide the sprinkler wrench around the sprinkler frame arms and press the wrench down to engage sprinkler wrench flats. Rotate the wrench clockwise to tighten the sprinkler head. The frame arms must be parallel to the pipe. Never tighten the sprinkler from sprinkler arms. Any torque applied to the frame arms will dislodge the bulb seating assembly causing the sprinkler to leak.

Do not remove the sprinkler strap until the sprinkler system is under commissioning for operation.

For additional details, refer to NFPA and UL for installation guidelines.



Care and Maintenance:

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Refer to NFPA 25 for inspection, testing and maintenance requirements. It is recommended that an automatic sprinkler system be inspected quarterly by qualified inspection personnel.

Sprinklers must not be painted, coated or otherwise altered after leaving the factory. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, should be replaced.

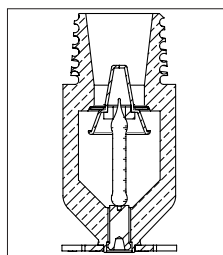
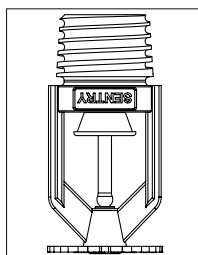
Note:

Absence of an escutcheon, which is used to cover a clearance hole, may delay sprinkler operation time in a fire.



PENDENT SPRINKLERS				
SIN + TEMPERATURE + FINISH CODE				
PART	SY8022135*	SY8022155*	SY8022175*	SY8022200*
K-FACTOR	5.6 (80 METRIC)	5.6 (80 metric)	5.6 (80 metric)	5.6 (80 metric)
ORIENTATION	PENDENT	PENDENT	PENDENT	PENDENT
RESPONSE	QUICK	QUICK	QUICK	QUICK
TEMPERATURE	135° F (57° C)	155° F (68° C)	175° F (79° C)	200° F (93° C)
BULB COLOR	ORANGE	RED	YELLOW	GREEN
TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
HAZARD TYPE	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY
APPROVAL	UL/FM	UL/FM	UL/FM	UL/FM
THREADS	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT

* FINISH CODE: 1 FOR BRASS, 2 FOR CHROME, 3 FOR WHITE



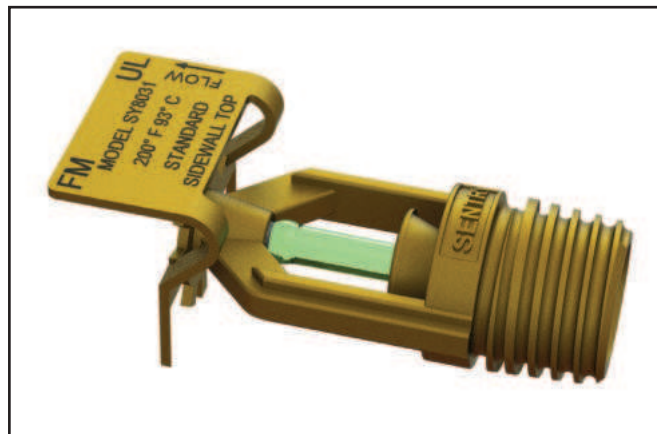
Sentry Sprinklers®

Model SY8031

Standard Coverage, Standard Response Horizontal Sidewall Sprinkler, K-factor 5.6 (80 metric)

Description:

Sentry Sprinklers Model SY8031 is an Automatic and or Open Standard Response Horizontal Sidewall Sprinkler head that utilizes a frangible thermo-sensitive glass bulb to operate the sprinkler. The sprinkler is designed for installation along a wall, the side of a beam, or just beneath a smooth ceiling. The sprinkler is available in various finishes and temperatures. Sprinkler Model SY8031 is listed and approved for standard coverage for Light and Ordinary hazards. Model SY8031 is a 5.6 K-Factor (80 metric) intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listings or approved agency. The Horizontal Sidewall Sprinkler produces a quarter-spherical water discharge that is predominately directed downward and outward from the deflector. Part of the spray is also directed towards the back wall.

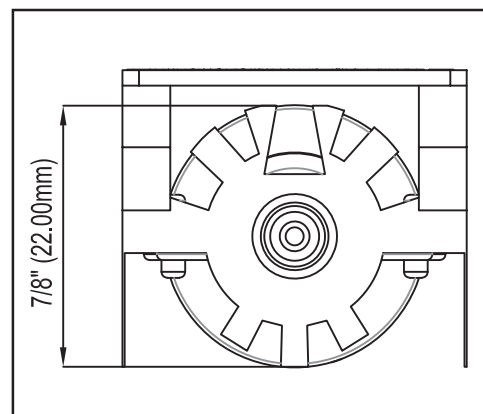
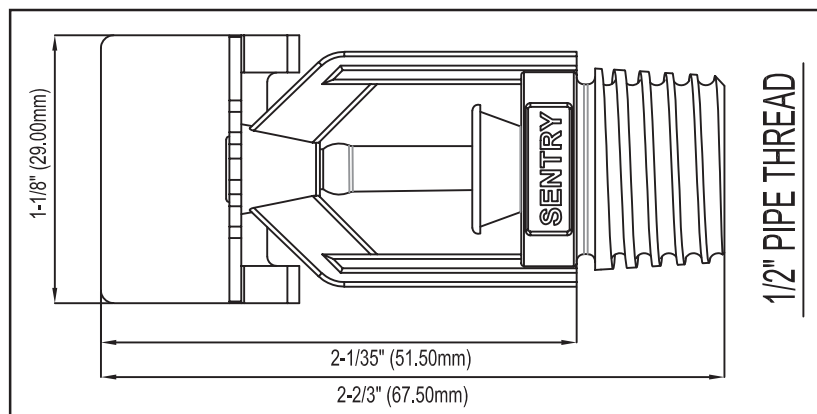


Model SY8031



Technical Data:

Minimum Operating Pressure:	7 psi (0.5 bar)
Maximum working Pressure:	175 PSI (12 bar)
Factory Test:	100% @ 500 psi (34.5 bar) Hydrostatically
Nominal K-Factor:	5.6 (80 metric)
Thread Size:	1/2" NPT
Bulb size:	5mm



Sentry Sprinklers®

Model SY8031

Standard Coverage, Standard Response Horizontal
Sidewall Sprinkler, K-factor 5.6 (80 metric)

Operation:

Upon fire initiation within a protected hazard, the temperature inside the hazard rises causing the liquid inside the Thermo-Sensitive bulb to expand. The liquid expansion causes the glass bulb to break, releasing the bulb seat assembly. The water discharges through the sprinkler orifice striking the deflector producing a uniform distribution pattern within the hazard area.

<u>Approval</u>	<u>Material Standard</u>	
UL	Frame:	Brass
FM	Deflector:	Bronze
	Screw	Brass
	Bulb:	Glass with Glycerin Solution, 5mm nominal
	Spring:	Stainless Steel
	Seal:	Teflon Tape



Coverage:

For coverage area and placement of the sprinkler refer to NFPA 13 standard.

Guarantee:

Sentry Sprinklers shall replace any of its products if found to be defective in materials or workmanship for a period of one year from order date. The guarantee does not cover wear and tear or improper installation.

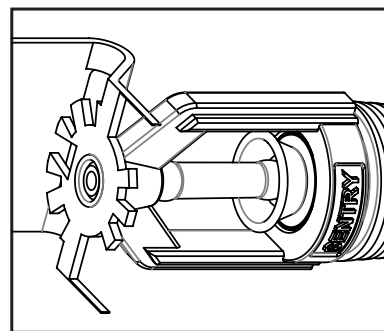
Sentry Sprinklers®

Model SY8031

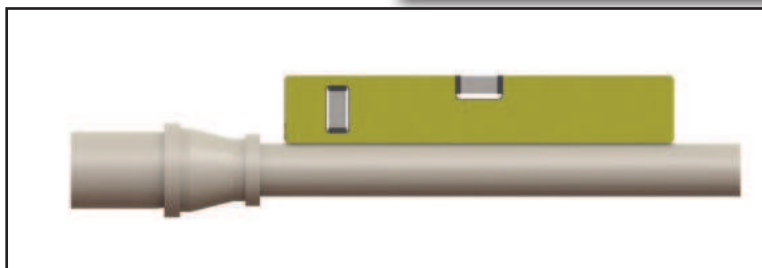
Standard Coverage, Standard Response Horizontal
Sidewall Sprinkler, K-factor 5.6 (80 metric)

Installation:

All sprinkler heads must be inspected prior to installation. If a sprinkler is damaged, the bulb is cracked, the bulb has loss of liquid and or lost its protective strap, do not install the sprinkler and contact Sentry Sprinklers for replacement. With the sprinkler held in the horizontal orientation, a small air bubble should be present inside the glass bulb.



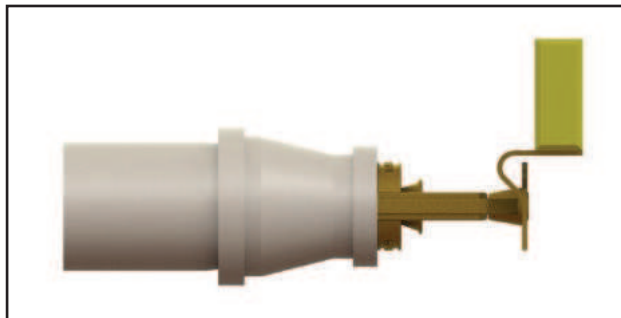
The Horizontal Sidewall Sprinkler must be installed with the centerline of the waterway horizontal and perpendicular to a back wall surface. It is recommended that a lightweight spirit level be used to level the sprinkler fitting prior to installing the sprinkler. Using a square ensure the perpendicularity of the waterway centerline to the mounting surface.



Note:

Locate with deflectors 4" to 12" (101mm to 305mm) below ceiling. Align horizontal sidewall sprinklers with top of deflectors parallel to the ceiling or roof.

Use Sentry Sprinklers recommended wrench to install the sprinkler. Slide the sprinkler wrench around the sprinkler frame arms and press the wrench down to engage sprinkler wrench flats. Rotate the wrench clockwise to tighten the sprinkler head. The frame arms must be parallel to the pipe. Never tighten the sprinkler from sprinkler arms. Any torque applied to the frame arms will dislodge the bulb seating assembly causing the sprinkler to leak.



Do not remove the sprinkler strap until the sprinkler system is under commissioning for operation.

For additional details, refer to NFPA and UL for installation guidelines.

Care and Maintenance:

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Refer to NFPA 25 for inspection, testing and maintenance requirements. It is recommended that an automatic sprinkler system be inspected quarterly by qualified inspection personnel.

Sentry Sprinklers®

Model SY8031

Standard Coverage, Standard Response Horizontal
Sidewall Sprinkler, K-factor 5.6 (80 metric)

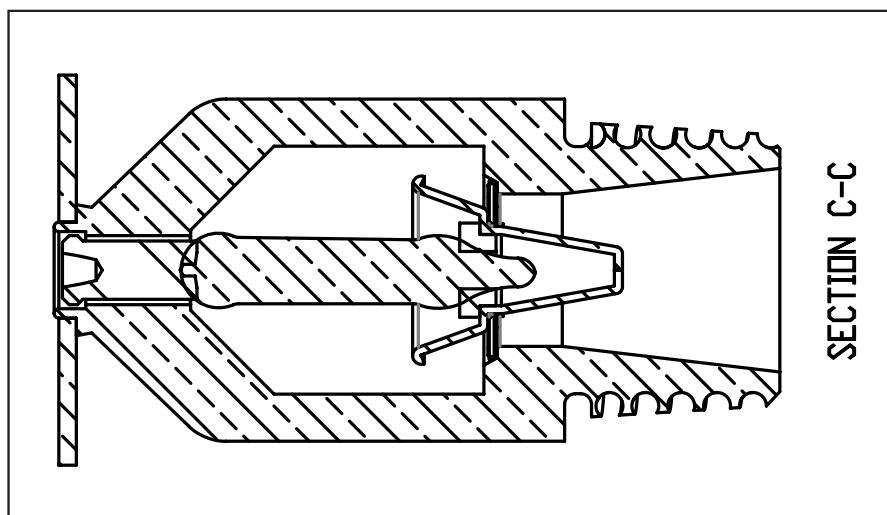
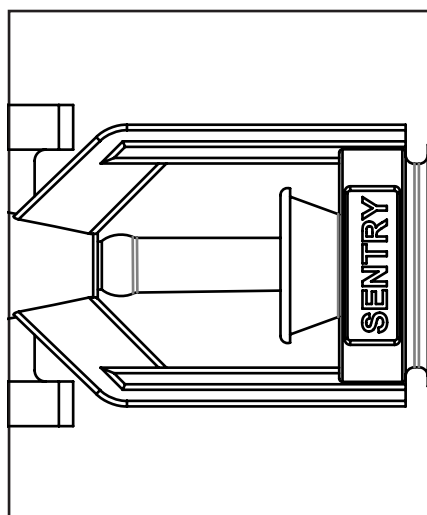
Sprinklers must not be painted, coated or otherwise altered after leaving the factory. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, should be replaced.

Note:

Absence of an escutcheon, which is used to cover a clearance hole, may delay sprinkler operation time in a fire situation.

HORIZONTAL SIDEWALL SPRINKLERS				
SIN + TEMPERATURE + FINISH CODE				
PART	SY8031135*	SY8031155*	SY8031175*	SY8031200*
K-FACTOR	5.6 (80 METRIC)	5.6 (80 metric)	5.6 (80 metric)	5.6 (80 metric)
ORIENTATION	HORIZONTAL SIDEWALL	HORIZONTAL SIDEWALL	HORIZONTAL SIDEWALL	HORIZONTAL SIDEWALL
RESPONSE	STANDARD	STANDARD	STANDARD	STANDARD
TEMPERATURE	135° F (57° C)	155° F (68° C)	175° F (79° C)	200° F (93° C)
BULB COLOR	ORANGE	RED	YELLOW	GREEN
TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
HAZARD TYPE	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY
APPROVAL	UL/FM	UL/FM	UL/FM	UL/FM
THREADS	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT

* FINISH CODE: 1 FOR BRASS, 2 FOR CHROME, 3 FOR WHITE



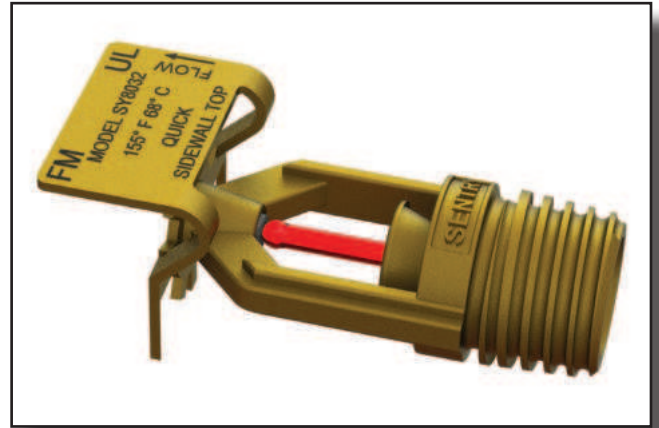
Sentry Sprinklers®

Model SY8032

Standard Coverage, Quick Response Horizontal Sidewall Sprinkler, K-factor 5.6 (80 metric)

Description:

Sentry Sprinklers Model SY8032 is an Automatic and or Open Quick Response Horizontal Sidewall Sprinkler head that utilizes a frangible thermo-sensitive glass bulb to operate the sprinkler. The sprinkler is designed for installation along a wall, the side of a beam, or just beneath a smooth ceiling. The sprinkler is available in various finishes and temperatures. Sprinkler Model SY8032 is listed and approved for standard coverage for Light and Ordinary hazards. Model SY8032 is a 5.6 K-Factor (80 metric) intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listings or approved agency. The Horizontal Sidewall Sprinkler produces a quarter-spherical water discharge that is predominately directed downward and outward from the deflector. Part of the spray is also directed towards the back wall.

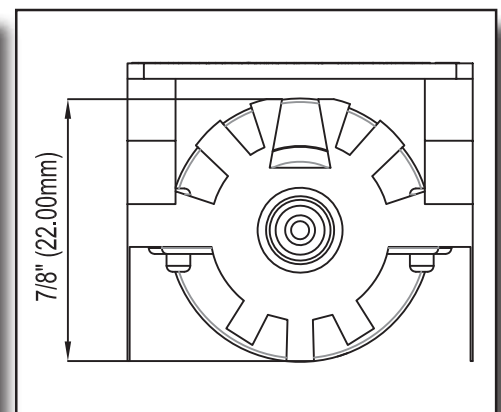
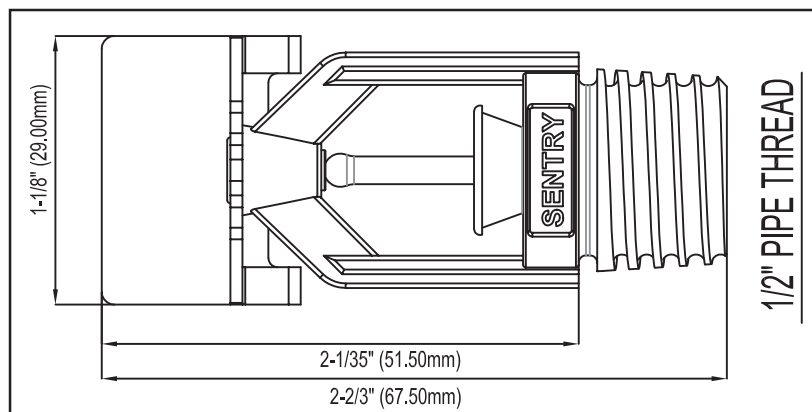


Model SY8032



Technical Data:

Minimum Operating Pressure:	7 psi (0.5 bar)
Maximum working Pressure:	175 PSI (12 bar)
Factory Test:	100% @ 500 psi (34.5 bar) Hydrostatically
Nominal K-Factor:	5.6 (80 metric)
Thread Size:	1/2" NPT
Bulb size:	3mm



Sentry Sprinklers®

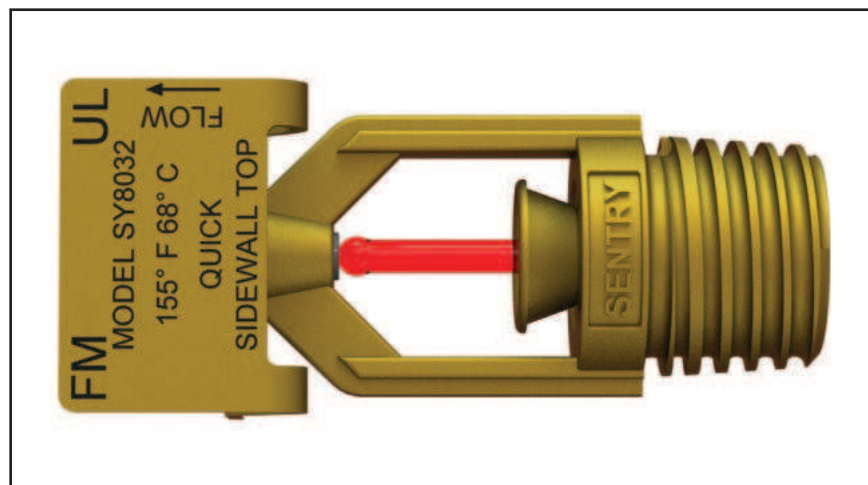
Model SY8032

Standard Coverage, Quick Response Horizontal
Sidewall Sprinkler, K-factor 5.6 (80 metric)

Operation:

Upon fire initiation within a protected hazard, the temperature inside the hazard rises causing the liquid inside the Thermo-Sensitive bulb to expand. The liquid expansion causes the glass bulb to break, releasing the bulb seat assembly. The water discharges through the sprinkler orifice striking the deflector producing a uniform distribution pattern within the hazard area.

<u>Approval</u>	<u>Material Standard</u>	
UL	Frame:	Brass
FM	Deflector:	Bronze
	Screw	Brass
	Bulb:	Glass with Glycerin Solution, 3mm nominal
	Spring:	Stainless Steel
	Seal:	Teflon Tape



Coverage:

For coverage area and placement of the sprinkler refer to NFPA 13 standard.

Guarantee:

Sentry Sprinklers shall replace any of its products if found to be defective in materials or workmanship for a period of one year from order date. The guarantee does not cover wear and tear or improper installation.

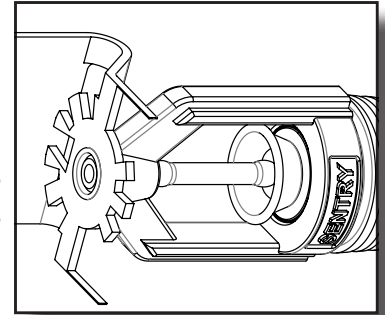
Sentry Sprinklers®

Model SY8032

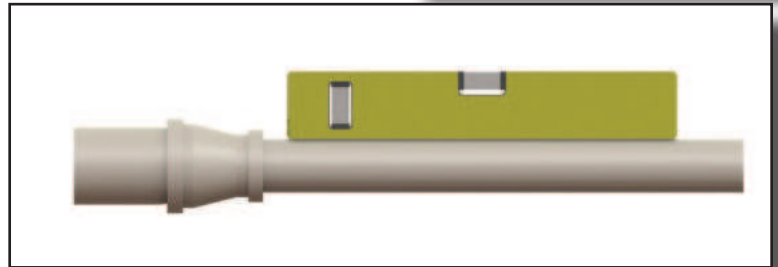
Standard Coverage, Quick Response Horizontal
Sidewall Sprinkler, K-factor 5.6 (80 metric)

Installation:

All sprinkler heads must be inspected prior to installation. If a sprinkler is damaged, the bulb is cracked, the bulb has loss of liquid and or lost its protective strap, do not install the sprinkler and contact Sentry Sprinklers for replacement. With the sprinkler held in the horizontal orientation, a small air bubble should be present inside the glass bulb.



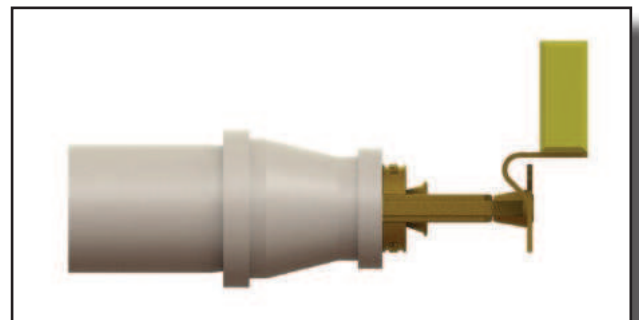
The Horizontal Sidewall Sprinkler must be installed with the centerline of the waterway horizontal and perpendicular to a back wall surface. It is recommended that a lightweight spirit level be used to level the sprinkler fitting prior to installing the sprinkler. Using a square ensure the perpendicularity of the waterway centerline to the mounting surface.



Note:

Locate with deflectors 4" to 12" (101mm to 305mm) below ceiling. Align horizontal sidewall sprinklers with top of deflectors parallel to the ceiling or roof.

Use Sentry Sprinklers recommended wrench to install the sprinkler. Slide the sprinkler wrench around the sprinkler frame arms and press the wrench down to engage sprinkler wrench flats. Rotate the wrench clockwise to tighten the sprinkler head. The frame arms must be parallel to the pipe. Never tighten the sprinkler from sprinkler arms. Any torque applied to the frame arms will dislodge the bulb seating assembly causing the sprinkler to leak.



Do not remove the sprinkler strap until the sprinkler system is under commissioning for operation.

For additional details, refer to NFPA and UL for installation guidelines.

Care and Maintenance:

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Refer to NFPA 25 for inspection, testing and maintenance requirements. It is recommended that an automatic sprinkler system be inspected quarterly by qualified inspection personnel.

Sentry Sprinklers®

Model SY8032

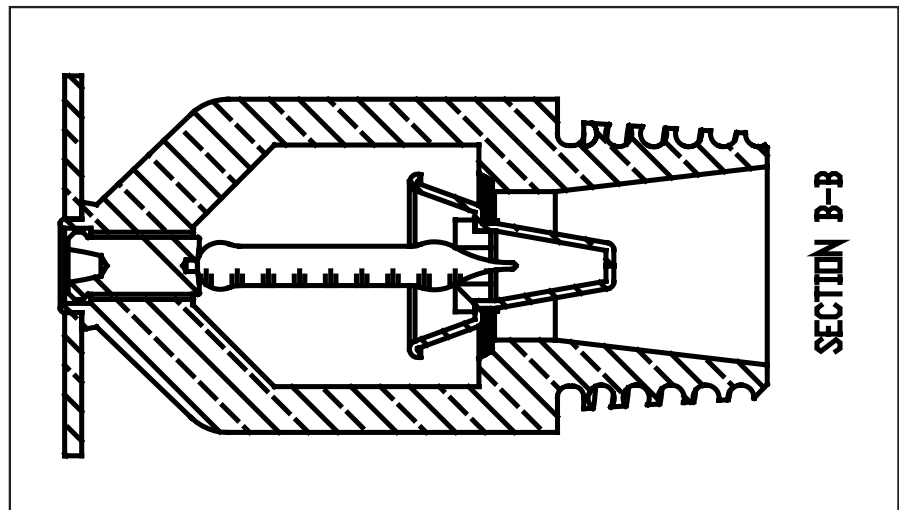
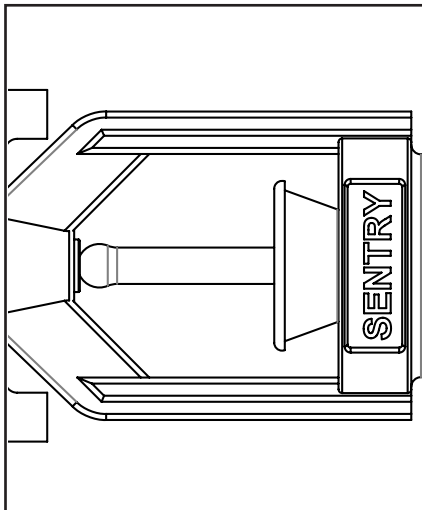
Standard Coverage, Quick Response Horizontal
Sidewall Sprinkler, K-factor 5.6 (80 metric)

Sprinklers must not be painted, coated or otherwise altered after leaving the factory. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, should be replaced.

Note:

Absence of an escutcheon, which is used to cover a clearance hole, may delay sprinkler operation time in a fire situation.

HORIZONTAL SIDEWALL SPRINKLERS				
SIN + TEMPERATURE + FINISH CODE				
PART	SY8032135*	SY8032155*	SY8032175*	SY8032200*
K-FACTOR	5.6 (80 METRIC)	5.6 (80 metric)	5.6 (80 metric)	5.6 (80 metric)
ORIENTATION	HORIZONTAL SIDEWALL	HORIZONTAL SIDEWALL	HORIZONTAL SIDEWALL	HORIZONTAL SIDEWALL
RESPONSE	QUICK	QUICK	QUICK	QUICK
TEMPERATURE	135° F (57° C)	155° F (68° C)	175° F (79° C)	200° F (93° C)
BULB COLOR	ORANGE	RED	YELLOW	GREEN
TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
HAZARD TYPE	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY
APPROVAL	UL/FM	UL/FM	UL/FM	UL/FM
THREADS	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
* FINISH CODE: 1 FOR BRASS, 2 FOR CHROME, 3 FOR WHITE				



Sentry Sprinklers®

Model SY8051

Standard Coverage, Standard Response Concealed
Pendent Sprinkler, K-factor 5.6 (80 metric)

Description:

Sentry Sprinklers Model SY8051 is an Automatic Standard Response Concealed Pendent Sprinkler head that utilizes a frangible thermo-sensitive glass bulb to operate the sprinkler. The sprinkler is available in various finishes and temperatures. Sprinkler Model SY8051 is listed and approved for standard coverage for Light and Ordinary hazards. Model SY8051 is a 5.6 K-Factor (80 metric) intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listings or approved agency. The Concealed Sprinkler Assembly includes a Cover Plate Assembly that covers the operating components above the ceiling. The Cover Plate Assembly is mounted to the Sprinkler Cup Assembly. Upon the release of the Cover Plate, the Concealed Pendent Sprinkler produces a hemispherical water distribution pattern below the deflector.



Model SY8051



Technical Data:

Minimum Operating Pressure:	7 psi (0.5 bar)
Maximum working Pressure:	175 PSI (12 bar)
Factory Test:	100% @ 500 psi (34.5 bar) Hydrostatically
Nominal K-Factor:	5.6 (80 metric)
Thread Size:	1/2" NPT
Bulb size:	5mm

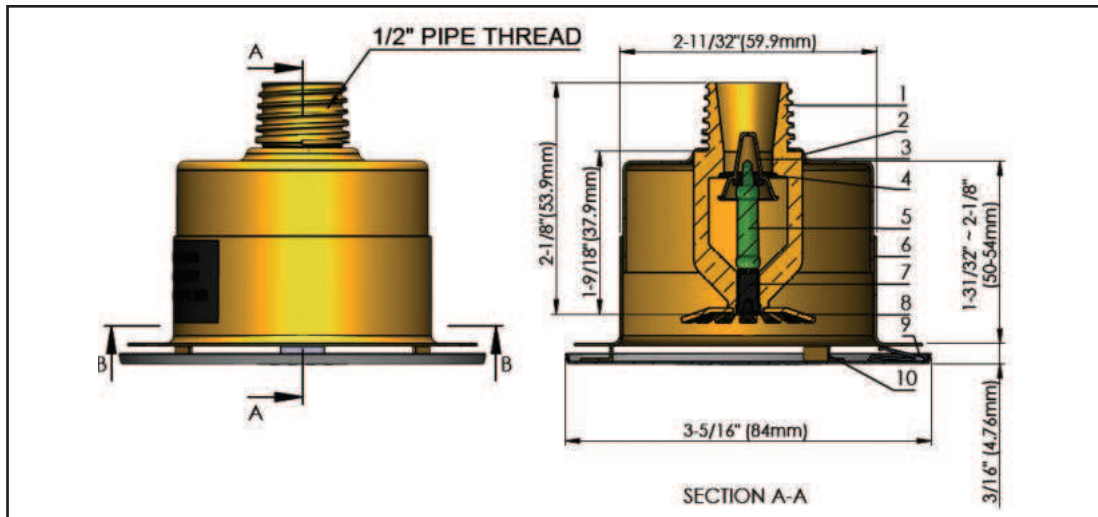
Operation:

Upon fire initiation within a protected hazard, the temperature inside the hazard rises fusing the solder between the cover plate and its assembly. A spring on the Sprinkler Cup Assembly ensures the ejection of the cover plate from its assembly. The rising heat causes the liquid inside the Thermo-Sensitive bulb to expand. The liquid expansion causes the glass bulb to break, releasing the bulb seat assembly. The water discharges through the sprinkler orifice striking the deflector producing a uniform distribution pattern within the hazard area.

Sentry Sprinklers®

Model SY8051

Standard Coverage, Standard Response Concealed
Pendent Sprinkler, K-factor 5.6 (80 metric)



Approval	Material Standard			
UL	1- Frame:	Brass	7- Set Screw:	Brass
	2- Mounting Cup		8- Deflector:	Bronze
	3- Button Seal:	Teflon Tape	9- Cover Plate	
	4- Spring Seal:	Stainless Steel	10- Ejection Spring	
	5- Bulb:	Glass Bulb with Glycerine Solution, 5mm Nominal	11- Label	
	6- Enclosure			

Coverage:

For coverage area and placement of the sprinkler refer to NFPA 13 standard.

Guarantee:

Sentry Sprinklers shall replace any of its products if found to be defective in materials or workmanship for a period of one year from order date. The guarantee does not cover wear and tear or improper installation.

Installation:

All sprinkler heads must be inspected prior to installation. If a sprinkler is damaged, the bulb is cracked, the bulb has loss of liquid and or lost its protective cap, do not install the sprinkler and contact Sentry Sprinklers for replacement. With the sprinkler held in the horizontal orientation, a small air bubble should be present inside the glass bulb.



Sentry Sprinklers®

Model SY8051

Standard Coverage, Standard Response Concealed
Pendent Sprinkler, K-factor 5.6 (80 metric)

Use Sentry Sprinklers recommended wrench to install the sprinkler. Slide the sprinkler wrench around the sprinkler frame arms and press the wrench down to engage sprinkler wrench flats. Rotate the wrench clockwise to tighten the sprinkler head. The frame arms must be parallel to the pipe. Never tighten the sprinkler from sprinkler arms. Any torque applied to the frame arms will dislodge the bulb seating assembly causing the sprinkler to leak.

The concealed sprinkler must not be used in any application where the air pressure above the ceiling is greater than that below it. Downdraft through the Mounting Cup could delay sprinkler operation in a fire condition.

Only use Sentry Sprinklers recommended wrench to install the sprinkler.

Exercise caution when installing the sprinkler. If the sprinkler is damaged during installation, do not attempt to fix it, replace it immediately.

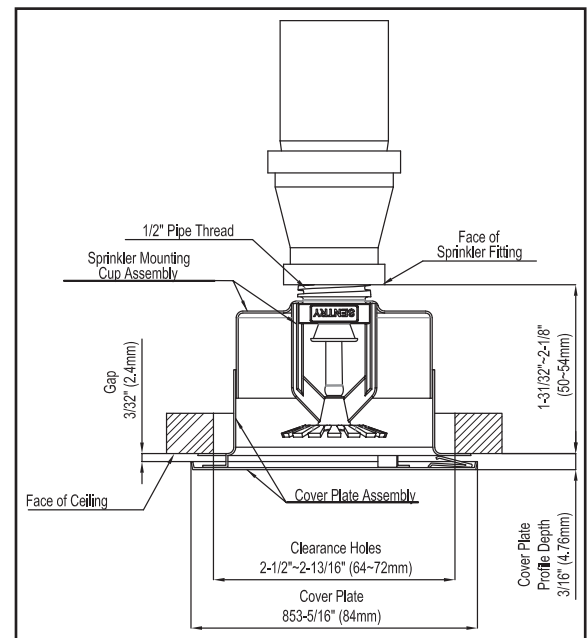
After the ceiling has been completed with a 2 1/2" (64mm) to 2 13/16" (72mm) diameter clearance hole, remove and discard the protective cap and verify that the sprinkler is intact.

Do not attempt to make up for insufficient adjustment in the sprinkler assembly by under or overtightening the sprinkler Mounting Cup Assembly. Instead, readjust the position of the sprinkler fitting.

Do not remove Sprinkler Protective Cap until you are ready to install the Cover Plate Assembly.

Absence of the Cover Plate Assembly may delay the sprinkler operation time in a fire situation.

For additional details, refer to NFPA and UL for installation guidelines.



Care and Maintenance:

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Refer to NFPA 25 for inspection, testing and maintenance requirements. It is recommended that an automatic sprinkler system be inspected quarterly by qualified inspection personnel.

Sprinklers must never be shipped and or stored where ambient temperature exceeds 100° F / 38° C. Inspect Sprinkler before and after installation. Exercise caution during installation to avoid damage to the sprinkler. Damaged sprinkler due to dropping, striking, and or wrench slippage must be replaced.

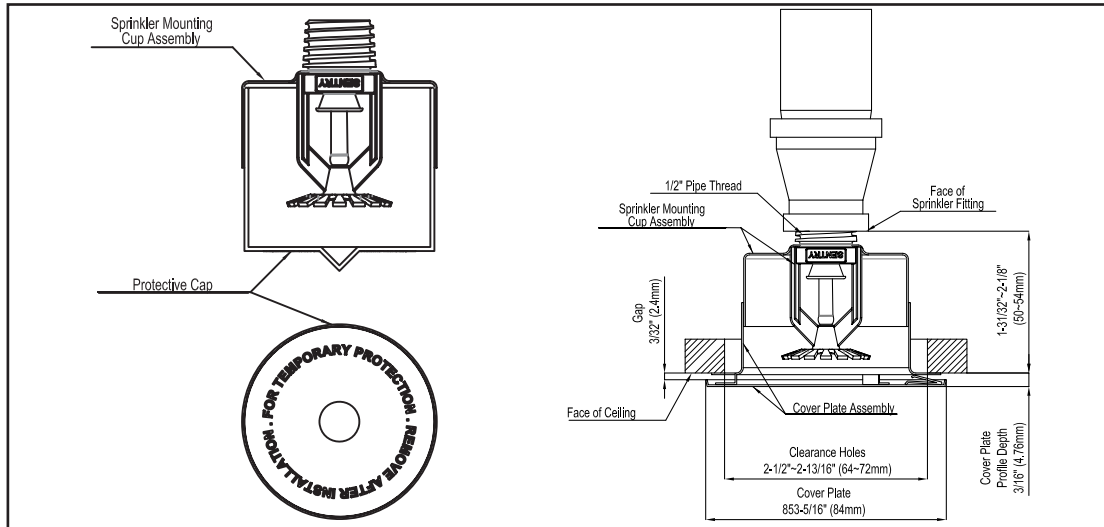


Sentry Sprinklers®

Model SY8051

Standard Coverage, Standard Response Concealed
Pendent Sprinkler, K-factor 5.6 (80 metric)

If a sprinkler must be removed for any reason, do not reinstall it or a replacement without reinstalling the Cover Plate Assembly. If a Cover Plate Assembly becomes dislodged during service, replace it immediately.



Properly installed sprinklers must have a nominal 3/32" (2.4mm) air gap between the lip of Cover Plate and the ceiling. The air gap is necessary for the proper operation of the sprinkler. If the ceiling is to be painted after installation of the Cover Plate Assembly, care must be taken to ensure that new paint does NOT seal off the nominal 3/32" (2.4mm) air gap.

Sprinklers and or cover plates must not be painted, coated or otherwise altered after leaving the factory. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, must be replaced.

CONCEALED PENDENT SPRINKLERS				
SIN + TEMPERATURE + FINISH CODE				
PART	SY8051135*	SY8051155*	SY8051175*	SY8051200*
K-FACTOR	5.6 (80 METRIC)	5.6 (80 metric)	5.6 (80 metric)	5.6 (80 metric)
ORIENTATION	CONCEALED	CONCEALED	CONCEALED	CONCEALED
RESPONSE	STANDARD	STANDARD	STANDARD	STANDARD
TEMPERATURE	135° F (57° C)	155° F (68° C)	175° F (79° C)	200° F (93° C)
BULB COLOR	ORANGE	RED	YELLOW	GREEN
TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
HAZARD TYPE	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY
APPROVAL	UL	UL	UL	UL
THREADS	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
* FINISH CODE: 1 FOR BRASS				

COVER PLATE PART NUMBER				
SIZE	WHITE 135° F (57° C)	CHROME 135° F (57° C)	WHITE 155° F (68° C)	CHROME 155° F (68° C)
ADJUSTMENT	1/6" (4.2 mm)	1/6" (4.2 mm)	1/6" (4.2 mm)	1/6" (4.2 mm)
3- 5/16"	CP80135-W	CP80135-C	CP80155-W	CP80155-C

***Do not attempt to paint or repaint the cover plate. Only factory paint is allowed.**

Sentry Sprinklers®

Model SY8052

Standard Coverage, Quick Response Concealed
Pendent Sprinkler, K-factor 5.6 (80 metric)

Description:

Sentry Sprinklers Model SY8052 is an Automatic Quick Response Concealed Pendent Sprinkler head that utilizes a frangible thermo-sensitive glass bulb to operate the sprinkler. The sprinkler is available in various finishes and temperatures. Sprinkler Model SY8052 is listed and approved for standard coverage for Light and Ordinary hazards. Model SY8052 is a 5.6 K-Factor (80 metric) intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable listings or approved agency. The Concealed Sprinkler Assembly includes a Cover Plate Assembly that covers the operating components above the ceiling. The Cover Plate Assembly is mounted to the Sprinkler Cup Assembly. Upon the release of the Cover Plate Assembly, the Concealed Pendent Sprinkler produces a hemispherical water distribution pattern below the deflector.



Model SY8052



Technical Data:

Minimum Operating Pressure:	7 psi (0.5 bar)
Maximum working Pressure:	175 PSI (12 bar)
Factory Test:	100% @ 500 psi (34.5 bar) Hydrostatically
Nominal K-Factor:	5.6 (80 metric)
Thread Size:	1/2" NPT
Bulb size:	3mm

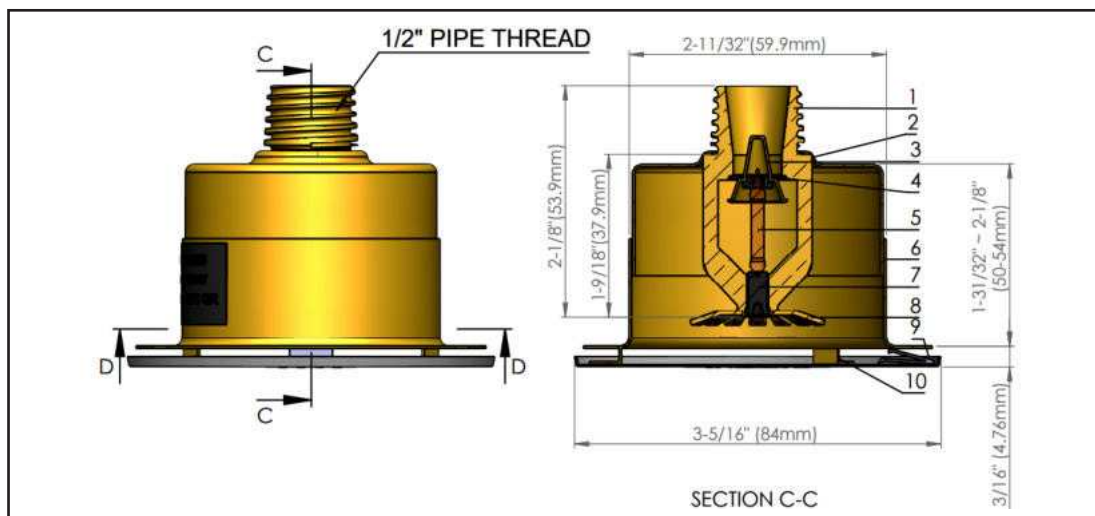
Operation:

Upon fire initiation within a protected hazard, the temperature inside the hazard rises fusing the solder between the cover plate and its assembly. A spring on the Sprinkler Cup Assembly ensures the ejection of the cover plate from its assembly. The rising heat causes the liquid inside the Thermo-Sensitive bulb to expand. The liquid expansion causes the glass bulb to break, releasing the bulb seat assembly. The water discharges through the sprinkler orifice striking the deflector producing a uniform distribution pattern within the hazard area.

Sentry Sprinklers®

Model SY8052

Standard Coverage, Quick Response Concealed
Pendent Sprinkler, K-factor 5.6 (80 metric)



Approval	Material Standard			
UL	1- Frame:	Brass	7- Set Screw:	Brass
	2- Mounting Cup		8- Deflector:	Bronze
	3- Button Seal:	Teflon Tape	9- Cover Plate	
	4- Spring Seal:	Stainless Steel	10- Ejection Spring	
	5- Bulb:	Glass Bulb with Glycerine Solution, 3mm Nominal	11- Label	
	6- Enclosure			

Coverage:

For coverage area and placement of the sprinkler refer to NFPA 13 standard.

Guarantee:

Sentry Sprinklers shall replace any of its products if found to be defective in materials or workmanship for a period of one year from order date. The guarantee does not cover wear and tear or improper installation.



Installation:

All sprinkler heads must be inspected prior to installation. If a sprinkler is damaged, the bulb is cracked, the bulb has loss of liquid and or lost its protective cap, do not install the sprinkler and contact Sentry Sprinklers for replacement. With the sprinkler held in the horizontal orientation, a small air bubble should be present inside the glass bulb.

Sentry Sprinklers®

Model SY8052

Standard Coverage, Quick Response Concealed
Pendent Sprinkler, K-factor 5.6 (80 metric)

Use Sentry Sprinklers recommended wrench to install the sprinkler. Slide the sprinkler wrench around the sprinkler frame arms and press the wrench down to engage sprinkler wrench flats. Rotate the wrench clockwise to tighten the sprinkler head. The frame arms must be parallel to the pipe. Never tighten the sprinkler from sprinkler arms. Any torque applied to the frame arms will dislodge the bulb seating assembly causing the sprinkler to leak.

The concealed sprinkler must not be used in any application where the air pressure above the ceiling is greater than that below it. Downdraft through the Mounting Cup could delay sprinkler operation in a fire condition.

Only use Sentry Sprinklers recommended wrench to install the sprinkler.

Exercise caution when installing the sprinkler. If the sprinkler is damaged during installation, do not attempt to fix it, replace it immediately.

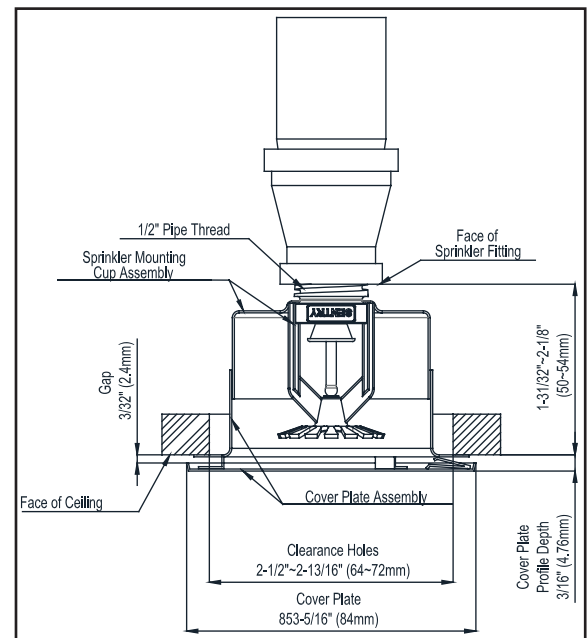
After the ceiling has been completed with a 2 1/2" (64mm) to 2 13/16" (72mm) diameter clearance hole, remove and discard the protective cap and verify that the sprinkler is intact.

Do not attempt to make up for insufficient adjustment in the sprinkler assembly by under or overtightening the sprinkler Mounting Cup Assembly. Instead, readjust the position of the sprinkler fitting.

Do not remove Sprinkler Protective Cap until you are ready to install the Cover Plate Assembly.

Absence of the Cover Plate Assembly may delay the sprinkler operation time in a fire situation.

For additional details, refer to NFPA and UL for installation guidelines.



Care and Maintenance:

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. Refer to NFPA 25 for inspection, testing and maintenance requirements. It is recommended that an automatic sprinkler system be inspected quarterly by qualified inspection personnel.

Sprinklers must never be shipped and or stored where ambient temperature exceeds 100° F / 38° C. Inspect Sprinkler before and after installation. Exercise caution during installation to avoid damage to the sprinkler. Damaged sprinkler due to dropping, striking, and or wrench slippage must be replaced.

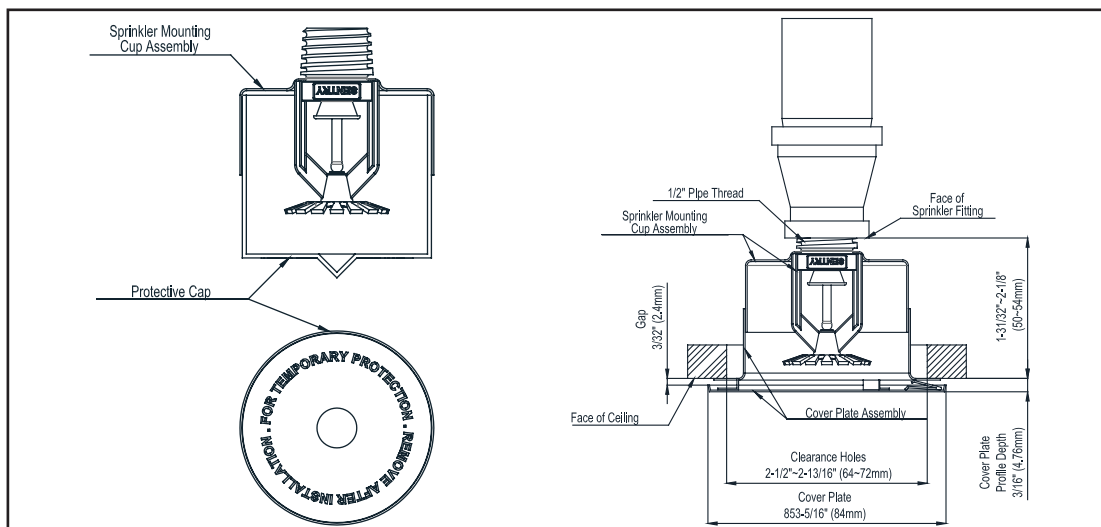


Sentry Sprinklers®

Model SY8052

Standard Coverage, Quick Response Concealed
Pendent Sprinkler, K-factor 5.6 (80 metric)

If a sprinkler must be removed for any reason, do not reinstall it or a replacement without reinstalling the Cover Plate Assembly. If a Cover Plate Assembly becomes dislodged during service, replace it immediately.



Properly installed sprinklers must have a nominal 3/32" (2.4mm) air gap between the lip of Cover Plate and the ceiling. The air gap is necessary for the proper operation of the sprinkler. If the ceiling is to be painted after installation of the Cover Plate Assembly, care must be taken to ensure that new paint does NOT seal off the nominal 3/32" (2.4mm) air gap.

Sprinklers and or cover plates must not be painted, coated or otherwise altered after leaving the factory. Sprinklers that have been exposed to corrosive products of combustion, but have not operated, must be replaced.

CONCEALED PENDENT SPRINKLERS				
SIN + TEMPERATURE + FINISH CODE				
PART	SY8052135*	SY8052155*	SY8052175*	SY8052200*
K-FACTOR	5.6 (80 METRIC)	5.6 (80 metric)	5.6 (80 metric)	5.6 (80 metric)
ORIENTATION	CONCEALED	CONCEALED	CONCEALED	CONCEALED
RESPONSE	QUICK	QUICK	QUICK	QUICK
TEMPERATURE	135° F (57° C)	155° F (68° C)	175° F (79° C)	200° F (93° C)
BULB COLOR	ORANGE	RED	YELLOW	GREEN
TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
HAZARD TYPE	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY	LIGHT/ORDINARY
APPROVAL	UL	UL	UL	UL
THREADS	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
* FINISH CODE: 1 FOR BRASS				

COVER PLATE PART NUMBER				
SIZE	WHITE 135° F (57° C)	CHROME 135° F (57° C)	WHITE 155° F (68° C)	CHROME 155° F (68° C)
ADJUSTMENT	1/6" (4.2 mm)	1/6" (4.2 mm)	1/6" (4.2 mm)	1/6" (4.2 mm)
3- 5/16"	CP80135-W	CP80135-C	CP80155-W	CP80155-C

***Do not attempt to paint or repaint the cover plate. Only factory paint is allowed.**