

SANT



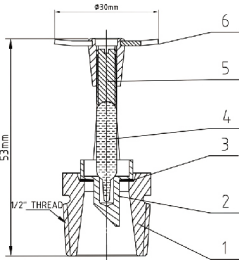
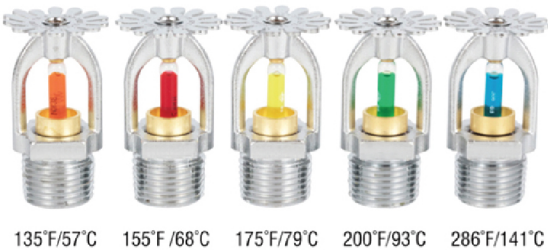
Sprinkler & Flexible Hose Fittings

for Automatic Sprinkler System



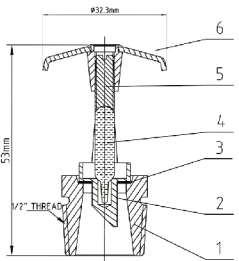
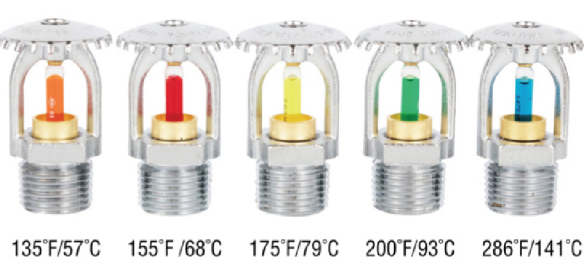
Standard Coverage, **Standard Response** (5mm Glass Bulb) & **Quick Response** (3mm Glass Bulb), K5.6, 1/2" Connecting Thread. UL Listed SANT Sprinklers are glass-bulb types designed for use in various commercial applications. The temperature range of 5mm and 3mm glass ball is from 135°F/57° C, 155°F /68° C, 175°F/79° C, 200°F/93°C up to 286°F/141° C.

Pendent Series Sprinklers



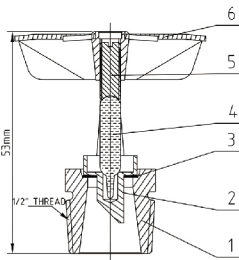
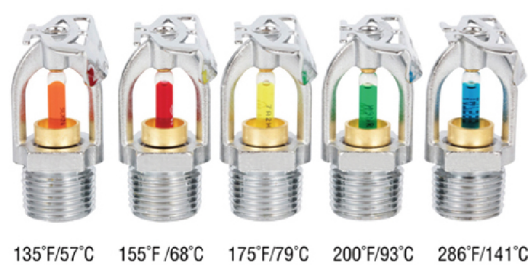
1. Frame 2. Button 3. Sealing Assembly
4. Glass Bulb 5. Compression Screw
6. SSP Deflector

Upright Series Sprinklers



1. Frame 2. Button 3. Sealing Assembly
4. Glass Bulb 5. Compression Screw
6. SSP Deflector

Horizontal Side Wall Series Sprinklers



1. Frame 2. Button 3. Sealing Assembly
4. Glass Bulb 5. Compression Screw
6. SSP Deflector

Specification

Bulb Nominal Dia. & Response	05mm Standard Response 03mm Quick Response
Thread Size	NPT1/2" or BSPT1/2"
Nominal Orifice Size	1/2 Inch
Nominal K-Factor	5.6 [U.S.]/80 [metric]
Max. Working Pressure	175psig/1.2MPa [12bar]
Sprinkler Finish	Chrome Finished
Nominal Temp. Rating	135°F/[57° C] 155°F/[68° C] 175°F/[79° C] 200°F/[93° C] 286°F/[141° C]
Listing and Approvals	UL Listed

RECESSED ESCUTCHEON



SURFACE-MOUNTED ESCUTCHEON



VNIV.EX28889 - Sprinklers, Automatic and Open

Sprinklers, Automatic and Open

Sant Infrasys
Village Sarmastpur, Patahnkot Road
Jalandhar, Punjab 144012 India

EX28889

Sprinkler Identification Number (SIN) SV801, SV802, SV803, SV804, SV805 and SV806 Glass Bulb Type.

PENDENT AND UPRIGHT STANDARD-SPRAY SPRINKLERS

NOMINAL 5.6 K-FACTOR

SIN	Response Type	Type	System Working Pressure, psig	Temp Rating, °F
SV801	SR	Pendent	175	135, 155, 175, 200, 286
SV802	QR	Pendent	175	135, 155, 175, 200, 286
SV803	SR	Upright	175	135, 155, 175, 200, 286
SV804	QR	Upright	175	135, 155, 175, 200, 286

STANDARD SIDEWALL-SPRAY SPRINKLERS

SIN	Response Type	Type	Nom K-Factor	System Working Pressure, psig	Temp Rating, °F
SV805*	SR	Horizontal	5.6	175	135, 155, 175, 200, 286
SV806*	QR	Horizontal	5.6	175	135, 155, 175, 200, 286

+ For installation 4 to 12 in. below ceiling.

Trademark and/or Tradename:

SANT

Last Updated on 2022-10-04

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Flexible Hose Fittings



Safe & Reliable, Easy and Quick installation, Economizing on cost, Environmental Friendly

10X Faster
10 times time saving against traditional installation

100% Tested
100% leak tested prior to despatch

7.0 Mpa Burst Test
The burst test pressure being as high as 70 bar

Earthquake
Reducing the damage in the earthquake

Unbraided Hose with Straight Nipple



(Limited Flexibility)



Connection

DN25 x DN15 or DN20 (1" x 1/2" or 3/4")

Hose Diameter

O.D. 26.8 mm

Max. Service Pressure

14 Bar / 200 PSI

Max. Ambient Temp.

107°C / 225°F

Flexible Hose		cULus listing data			
Hose / Length	Sprinkler Thread Size	Max. Allow. Sprinkler K-factor	Max. No. of 90° Bends	Min. Bending Radius	EQL of 33.7mm/1" SCH40 Pipe
mm / in.	DN / in.	Metric / Impri.	n x 90°	mm / in.	meters / feet
700 / 28	15 / 1/2	115 / 8.0	1	100 / 3.9	5.5 / 18
	20 / 3/4	202 / 14.0			7.3 / 24
1000 / 40	15 / 1/2	115 / 8.0	2	100 / 3.9	10.1 / 33
	20 / 3/4	202 / 14.0			12.5 / 41
1200 / 48	15 / 1/2	115 / 8.0	2	100 / 3.9	13.1 / 43
	20 / 3/4	202 / 14.0			14.0 / 46
1500 / 60	15 / 1/2	115 / 8.0	3	100 / 3.9	19.2 / 63
	20 / 3/4	202 / 14.0			19.5 / 64
1800 / 72	15 / 1/2	115 / 8.0	4	100 / 3.9	23.8 / 78
	20 / 3/4	202 / 14.0			24.4 / 80

Flexible Hose		FM approval data				cULus listing data			
Hose Length	Sprinkler Thread Size	Max. Allow. Sprinkler K-factor	Max. No. of 90° Bends	Min. Bending Radius	EQL of 33.7mm/1" SCH40 Pipe	Max. Allow. Sprinkler K-factor	Max. No. of 90° Bends	Min. bending Radius	EQL of 33.7mm/1" SCH40 Pipe
mm in.	DN in.	Metric Impri.	n x 90°	mm in.	meters feet	Metric Impri.	n x 90°	mm in.	meters feet
700 28	15 1/2	115 8.0	1	250 9.8	8.1 26.7	81 5.6	2	100 3.9	7.6 25.0
	20 3/4	202 14.0			6.5 21.5	115 8.0			6.4 21.0
1000 40	15 1/2	115 8.0	3	250 9.8	12.9 42.6	81 5.6	3	100 3.9	10.1 33.0
	20 3/4	202 14.0			12.0 39.6	115 8.0			11.0 36.0
1200 48	15 1/2	115 8.0	3	250 9.8	16.2 53.2	81 5.6	3	100 3.9	11.9 39.0
	20 3/4	202 14.0			15.7 51.6	115 8.0			13.1 43.0
1500 60	15 1/2	115 8.0	3	250 9.8	20.6 67.8	81 5.6	3	100 3.9	15.2 50.0
	20 3/4	202 14.0			19.3 63.5	115 8.0			15.8 52.0
1800 72	15 1/2	115 8.0	4	250 9.8	25.1 82.4	81 5.6	3	100 3.9	17.7 58.0
	20 3/4	202 14.0			22.9 75.4	115 8.0			19.2 63.0

Braided Hose with Straight Nipple

Connection

DN25 x DN15 or DN20 (1" x 1/2" or 3/4")

Hose Diameter

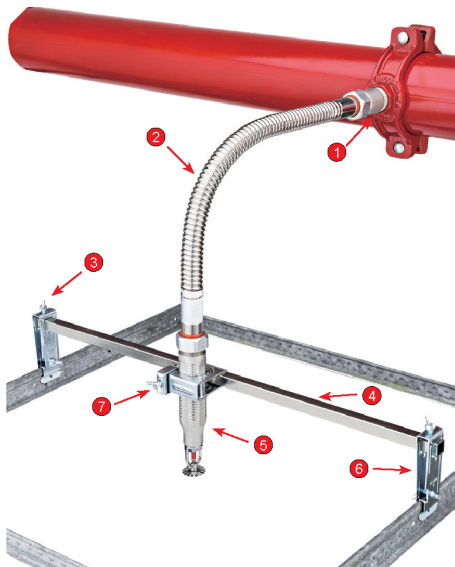
O.D. 26.8 mm

Max. Service Pressure

14 Bar / 200 PSI

Max. Ambient Temp.

107°C / 225°F



1 Inlet Nipple 2 Braided hose Unbraided hose



3 Wing screw set 4 Hexagon screw set



5 90° bend 6 Straight



5 90° bend 6 Straight



6 Long side bracket 7 Center bracket regular

Description		Material
Corrugated tube Braid & collar-rings		AISI 304 Stainless Steel
Discharge Nipple NPT & BSPT	Straight	Galv. Steel ASTM 1020
	90° Bend	Galv. Steel ASTM 1020
Inlet Nipple NPT & BSPT		Galv. Steel ASTM 1020
Hexagon Slip nut		Galv. Steel ASTM 1020
Gasket		EPDM
Isolation Ring		Nylon 66
Center Bracket	Fast Center Bracket	Galv. Steel ASTM A283 Gr.D
	Regular Center Bracket	Galv. Steel ASTM A283 Gr.D
Side Bracket	Long Side Bracket	Galv. Steel ASTM A283 Gr.D
	Short Side Bracket	Galv. Steel ASTM A283 Gr.D
Square Bar 635mm & 1270mm		Galv. Steel ASTM A283 Gr.B
Bolts & Screws	Hexagon Screw Set	Galv. Steel ASTM A283 Gr.D
	Wing Screw Set	Galv. Steel ASTM A283 Gr.D

Note: OEM is Daejin Sanup Co.

CERTIFICATE OF COMPLIANCE

Certificate Number EX15083 |
Report Reference EX15083-20090811 |
Date 2021-May-12 |

Issued to: Daejin Sanup Co |
12 Wolmun-gil Paltan-myeon
Hwaseong-si Gyeonggi-do 445-971 KOREA |

This certificate confirms that
representative samples of FLEXIBLE SPRINKLER HOSE WITH FITTINGS |
REFER ADDENDUM PAGE FOR MODELS |

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 2443, UL Standard for Flexible Sprinkler Hose with
Fitting for Fire Protection Service
ULC/ORD-C1474-03, Adjustable Drop Nipples for Sprinkler
Systems |

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number EX15083
 Report Reference EX15083-20090811
 Date 2021-May-12

Model	Rated Pressure, psig	Max. Ambient Temp, °F	Nom. Inlet by Outlet Size, in.	Assembly Length, mm	Max No. of 90° Bends	Min Bend Radius, in. (mm)	Equivalent Length of 1 in. Schedule 40 Steel Pipe (C = 120), ft	Flexibility Type
DJ25UB-700 Unbraided	200	225	1x1/2	700	2	4 (100)	32	Limited
DJ25UB-1000 Unbraided	200	225	1x1/2	1000	3	4 (100)	55	Limited
DJ25UB-1200 Unbraided	200	225	1x1/2	1200	3	4 (100)	64	Limited
DJ25UB-1500 Unbraided	200	225	1x1/2	1500	3	4 (100)	75	Limited
DJ25UB-1800 Unbraided	200	225	1x1/2	1800	3	4 (100)	81	Limited
DJ25UB-700 Unbraided	200	225	1x3/4	700	2	4 (100)	31	Limited
DJ25UB-1000 Unbraided	200	225	1x3/4	1000	3	4 (100)	50	Limited
DJ25UB-1200 Unbraided	200	225	1x3/4	1200	3	4 (100)	57	Limited
DJ25UB-1500 Unbraided	200	225	1x3/4	1500	3	4 (100)	68	Limited
DJ25UB-1800 Unbraided	200	225	1x3/4	1800	3	4 (100)	79	Limited

The unbraided type flexible sprinkler hose with fittings, DJ25UB series are intended to be installed with the A-DFM middle and end bracket combination in accordance with the manufacturer's installation instructions dated 25th of February, 2021 or B-COT middle and B-EOT end bracket combination in accordance with the manufacturer's installation instructions dated 25th of February, 2021.

B. Mahlen

Bruce Mahrenholz, Director North American Certification Program
 UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number EX15083
Report Reference EX15083-20090811
Date 2021-May-12

Model	Rated Pressure, psig	Max Ambient Temp, °F	Nom Inlet by Outlet Size, in.	Assembly Length, ft (mm)	Max No. of 90° Bends	Min Bend Radius, in.	Equivalent Length of 1 in. Schedule 40 Steel Pipe (C = 120), ft	Flexibility Type
DJ28B-700 braided	200	225	1x1/2	2.3(700)	3	3	18	Limited
DJ28B-1000 braided	200	225	1x1/2	3.3(1000)	5	3	23	Limited
DJ28B-1200 braided	200	225	1x1/2	3.9(1200)	7	3	29	Limited
DJ28B-1500 braided	200	225	1x1/2	4.9(1500)	9	3	39	Limited
DJ28B-1800 braided	200	225	1x1/2	5.9(1800)	12	3	50	Limited
DJ28B-700 braided	200	225	1x3/4	2.3(700)	3	3	20	Limited
DJ28B-1000 braided	200	225	1x3/4	3.3(1000)	5	3	24	Limited
DJ28B-1200 braided	200	225	1x3/4	3.9(1200)	7	3	31	Limited
DJ28B-1500 braided	200	225	1x3/4	4.9(1500)	9	3	40	Limited
DJ28B-1800 braided	200	225	1x3/4	5.9(1800)	12	3	70	Limited

The braided type flexible sprinkler hose with fittings, DJ28B series are intended to be installed with A-DFM middle bracket and A-DFM end bracket combination in accordance with the manufacturer's installation instructions dated September 20th 2019, or B-COT middle bracket and B-EOT end bracket combination in accordance with the manufacturer's installation instructions dated September 20th 2019.

B. Mahrenholz

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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Certificate of Compliance

THIS CERTIFICATE IS ISSUED FOR THE MODEL DJ28B
FOR USE IN COMMERCIAL SUSPENDED CEILINGS

1 in. Nominal dia. Flexible metal sprinkler hose for providing a connection to automatic
sprinklers in commercial suspended ceilings.

FM Approvals confirms that the items have been found to comply with the Approval Standard
Class Number 1637 dated February 2010.

Prepared for:

DAE JIN PRECISION

106-1. WOLMUN-RI, PALTAN-MYEON

HWASEONG-SI, GYEONGGI-DO

KOREA

Approval Identification:
3038434

Approval Granted:
March 16, 2011

FM Approvals Class
1637

Said Approval is subject to satisfactory field performance, continuing follow-up Facilities
and Procedures Audits, and strict conformity to the constructions as shown in the Approval
Guide, an online resource of FM Approvals.

*For more than 160 years FM Approvals has partnered with business and industry to
reduce property losses.*

Richard B. Dunne,
Manager- Hydraulics Group
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062



Member of the FM Global Group

March 16, 2011

for Commercial Suspended Ceilings

Flexible sprinkler hose with threaded end fittings are for use in commercial suspended ceilings. The flexible hoses are to be installed according to the manufacturer's directives.

DJ28B

Model	NPT in.	k-Factor	Minimum Bend Radius in. (mm)	Number of Bends	Rated Working Pressure psi (kPa)	Hose Assembly length ft (m)	Equivalent Length of 1 Schedule 40 Pipe, ft (m)
DJ28B	1/2	5.6	9 (230)	1	175 (1205)	2.3 (0.7)	22.9 (6.9)
DJ28B	1/2	5.6	9 (230)	2	175 (1205)	3.3 (1.0)	34.6 (10.5)
DJ28B	1/2	5.6	9 (230)	3	175 (1205)	3.9 (1.2)	41.0 (12.5)
DJ28B	1/2	5.6	9 (230)	4	175 (1205)	4.9 (1.5)	50.4 (15.3)
DJ28B	1/2	5.6	9 (230)	4	175 (1205)	5.9 (1.8)	58.5 (17.8)
DJ28B	3/4	8.0	9 (230)	1	175 (1205)	2.3 (0.7)	15.7 (4.8)
DJ28B	3/4	8.0	9 (230)	2	175 (1205)	3.3 (1.0)	26.9 (8.2)
DJ28B	3/4	8.0	9 (230)	3	175 (1205)	3.9 (1.2)	34.8 (10.6)
DJ28B	3/4	8.0	9 (230)	4	175 (1205)	4.9 (1.5)	43.8 (13.5)
DJ28B	3/4	8.0	9 (230)	4	175 (1205)	5.9 (1.8)	53.4 (16.2)

1 in. nominal diameter flexible metal hose for providing a connection to automatic sprinklers in commercial suspended ceilings. Approval is limited for use in commercial suspended ceilings with a bracket system manufactured by Dae Jin Precision.

The code of information for these flexible hose model designations is as follows:

Marking	Description
DJ	Manufacturer's initials
28	Hose size in mm
B	Braid

Company Name:	Daejin Sanup Co
Company Address:	106-1, Wolmun-Ri, Paltan-Myeon, Hwaseong-Si, Gyeonggi-Do, Korea
Company Website:	http://www.sprinkler.kr
New/Updated Product Listing:	No
Listing Country:	South Korea