# SprinkFlex® Original Hose – Non-Braided
## Fig. SFN-4

Fig. SFN-4 Brackets

| Bracket Figure Number & Size | cULus Listed | SprinkFlex Historical Model Number |
|---|---|---|
| BKT-SFO-4, 24in | ✓ | SFO24BKT1 |
| BKT-SFO-4, 48in | ✓ | SFO48BKT1 |

**Note:** SprinkFlex Historical Model Numbers may be used to verify cULus Listings & FM Approvals.

## Product Specifications

**Assembly Length**
- ☐ 28in
- ☐ 40in
- ☐ 48in
- ☐ 59in
- ☐ 71in

**Straight Outlet Drop**
- ☐ ½ NPS
- ☐ ¾ NPS

**Inlet Nipples**
1 NPS

**Pressure Rating**
200psi (1,379kPa)

**Minimum Bend Radius**
3.0in (76.2mm)

**Ambient Temperature**
225°F (107°C) Max

**Material**
304 Stainless Steel Hose
Carbon Steel Fittings

**Ordering**
Specify figure number, length, outlet size, & description.

| PROJECT INFORMATION | APPROVAL STAMP |
|---|---|
| Project: | ☐ Approved |
| Address: | ☐ Approved as noted |
| Contractor: | ☐ Not approved |
| Engineer: | Remarks: |
| Submittal Date: | |
| Notes 1: | |
| Notes 2: | |

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# **Fig. SFN-4**

Fig. SFN-4 cULus Listing per UL 2443

| Assembly Length | Equivalent Length | | | | Max # of 90° Bends |
|---|---|---|---|---|---|
| | ½ NPS Outlet | | ¾ NPS Outlet | | |
| In | ft | m | ft | m | # |
| 28 | 22 | 6.7 | 28 | 8.5 | 2 |
| 40 | 39 | 11.9 | 54 | 16.5 | 3 |
| 48 | 56 | 17.1 | 63 | 19.2 | 3 |
| 59 | 59 | 18.0 | 74 | 22.6 | 3 |
| 71 | 67 | 20.4 | 74 | 22.6 | 3 |

1. Equivalent Length of NPS 1 (DN25) Sch 40 Pipe.
2. Equivalent Lengths listed above assume the maximum number of 90° bends.
3. A 90° bend can be achieved with two 45° bends or three 30° bends.

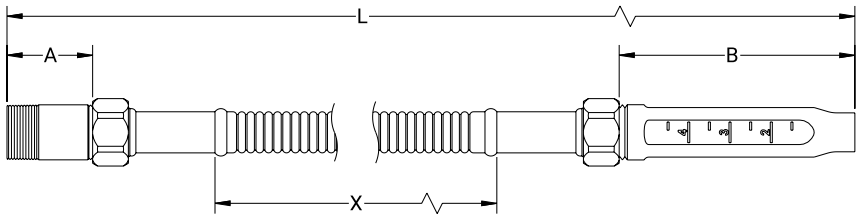


Fig. SFN-4 Dimensions & Model Number

| Assembly Length | True Length (L) | | Corrugation Length (X) | | Inlet Nipple Length (A) | | Outlet Drop Length (B) | | SprinkFlex Historical Model Number | |
|---|---|---|---|---|---|---|---|---|---|---|
| in | in | mm | in | mm | in | mm | in | mm | ½ Outlet | ¾ Outlet |
| 28 | 27.6 | 700 | 15.4 | 390 | | | | | SFN28H | SFN28T |
| 40 | 39.4 | 1000 | 27.2 | 690 | | | | | SFN40H | SFN40T |
| 48 | 47.2 | 1200 | 35.0 | 890 | 2.5 | 63.5 | 5.8 | 147.3 | SFN48H | SFN48T |
| 59 | 59.1 | 1500 | 45.7 | 1160 | | | | | SFN59H | SFN59T |
| 71 | 70.9 | 1800 | 58.7 | 1490 | | | | | SFN71H | SFN71T |

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# **Fig. SFN-4**

## Connection to the Branch

1. Separate the threaded inlet nipple (if necessary) from the flexible hose. Apply pipe sealant or tape to the NPT thread on the threaded inlet nipple and install into the branch outlet. Note: Only place the pipe wrench on the unthreaded portion of the inlet nipple.
2. Examine the O-ring in the threaded hex union attached to the end of the hose. Ensure it is seated properly and free of debris.
3. Ensure the arrow on the hose is pointing in the direction of flow. Tighten the threaded hex union at the end of the corrugated hose to the inlet nipple. Hand tight plus ½ turn (15ft-lbs).

## Bending the Hose

1. The hose may be bent to ensure the inlet nipple and outlet drop are in the desired locations.
2. The hose should never be bent to a radius less than minimum listed bend radius. The bend radius is defined to the center of the hose.
3. The hose should not be bent within 2 ½ in of the threaded hex union at either end of the hose.
4. The hose must have at least one 90° bend. A 90° bend can be achieved with two 45° bends or three 30° bends.
5. For best performance, the bends in the hose should be as large and smooth as possible

## Connection to the Bracket

1. Installation of the outlet drop to the bracket shall be per the bracket's installation instructions. The bracket shall be listed for installation with the SFN-4. See Page 1 for Listed and Approved brackets.
2. Examine the O-ring in the threaded hex union attached to the end of the hose. Ensure it is seated properly and free of debris.
3. Tighten the threaded hex union at the end of the corrugated hose to the outlet drop. Hand tight plus ½ turn (15ft-lbs).

## Connection to the Sprinkler Head

1. Installation of the sprinkler head into the outlet drop shall be per the sprinkler manufacturer's installation instructions.

## General Installation Notes

1. Never apply a wrench to the corrugated hose.
2. The Fig SFN-4 may be installed in any direction from the branch.
3. If installing a sprinkler to a bracket after installation, it is best practice to prevent twisting of the bracket and hose by holding the outlet drop with a wrench.