

Flexible Metal Hoses

SFH Series

Features

- Stainless steel construction.
- Positive pressure up to 1600psig. (110bar)
- Wide variety of fractional and metric end connections from 1/4" to 2" and 6mm to 38mm.
- Custom options and assemblies available.



Technical Data

| Nominal Hose Size in. | HOSE Series | Minimum Bend Radius in. (cm) | | Temperature Range °F(°C) | Working Pressure @-325 to 300°F (-200 to 148°C) psig (bar) | Minimum Burst @70°F(20°C) psig (bar) |
|-----------------------|-------------|------------------------------|-------------|------------------------------|--|--------------------------------------|
| | | Static | Dynamic | | | |
| 1/4 | SFH4 | 0.75 (1.90) | 4.33 (11.0) | -325 to 800 (-200 to 426) | 1600 (110) | 6400 (440) |
| 3/8 | SFH6 | 0.87 (2.21) | 5.91 (15.0) | | 1470 (101) | 5880 (405) |
| 1/2 | SFH8 | 1.04 (2.64) | 6.50 (16.5) | | 1110 (76.4) | 4440 (305) |
| 3/4 | SFH12 | 1.61 (4.09) | 8.86 (22.5) | | 860 (59.2) | 3440 (237) |
| 1 | SFH16 | 1.89 (4.80) | 10.2(26.0) | | 680 (46.8) | 2720 (187) |
| 1 1/4 | SFH20 | 2.16 (5.49) | 11.8 (30.0) | | 680 (46.8) | 2720 (187) |
| 1 1/2 | SFH24 | 2.33 (5.92) | 13.4 (34.0) | | 520 (35.8) | 2080 (143) |
| 2 | SFH32 | 3.10 (7.87) | 15.4 (39.1) | | 450 (31.0) | 1800 (124) |

• Do not subject Flexible metal hose to system pressure surges, shock or pulsations greater than 50% of the working pressure rating.

Ordering Information

Example :

SFH4 - S4 - M4N - 1.5

1
2 3
2 3
4

1. Hose series and size

2. Port Type

S : SUPERLOK Tube Fitting

M : Male Pipe Thread

F : Female Pipe Thread

3. Port Size

Pipe Thread Designation

| Size(inch) | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
|-------------|-----|-----|-----|-----|-----|-----|
| ISO Tapered | 2R | 4R | 6R | 8R | 12R | 16R |
| NPT | 2N | 4N | 6N | 8N | 12N | 16N |

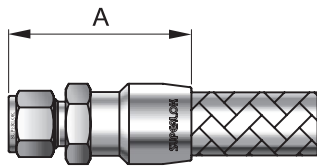
Tube O.D Designation

| Fractional Tube | O.D(inch) | 1/16 | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 7/8 | 1 | 1-1/4 | 1-1/2 | 2 |
|-----------------|-----------|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-------|-------|-----|
| | Identify | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 15 | 16 | 20 | 24 | 32 |
| Metric Tube | O.D(mm) | 2 | 3 | 4 | 6 | 8 | 10 | 12 | 16 | 20 | 22 | 25 | 28 | 32 | 38 |
| | Identify | 2M | 3M | 4M | 6M | 8M | 10M | 12M | 16M | 20M | 22M | 25M | 28M | 32M | 38M |

4. Overall length in meters

Table of Dimensions

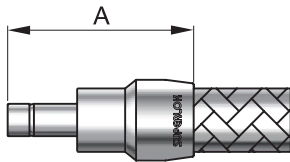
SUPERLOK Tube Fitting



| Part Number | | Tube OD(inch) | Dimension A |
|-------------|-----|---------------|-------------|
| SFH 4 | S4 | 1/4 | 47.5 |
| SFH 6 | S6 | 3/8 | 50.8 |
| SFH 8 | S8 | 1/2 | 61.7 |
| SFH 12 | S12 | 3/4 | 66.5 |
| SFH 16 | S16 | 1 | 81.3 |
| SFH 20 | S20 | 1 1/4 | 96.3 |
| SFH 24 | S24 | 1 1/2 | 108.0 |
| SFH 32 | S32 | 2 | 133.0 |

• Metric connections are available upon request.

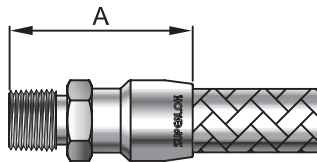
Tube Adapter



| Part Number | | Tube OD(inch) | Dimension A |
|-------------|------|---------------|-------------|
| SFH 4 | 4TA | 1/4 | 38.6 |
| SFH 6 | 6TA | 3/8 | 46.0 |
| SFH 8 | 8TA | 1/2 | 54.9 |
| SFH 12 | 12TA | 3/4 | 63.5 |
| SFH 16 | 16TA | 1 | 75.9 |

• Metric connections are available upon request.

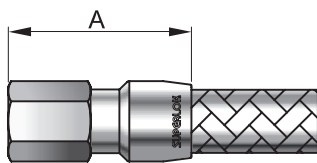
Male Pipe Threads, NPT



| Part Number | | Tube OD(inch) | Dimension A |
|-------------|------|---------------|-------------|
| SFH 4 | M4N | 1/4 | 43.2 |
| SFH 6 | M6N | 3/8 | 48.5 |
| SFH 8 | M8N | 1/2 | 58.9 |
| SFH 12 | M12N | 3/4 | 62.3 |
| SFH 16 | M16N | 1 | 77.5 |
| SFH 20 | M20N | 1 1/4 | 79.8 |
| SFH 24 | M24N | 1 1/2 | 85.9 |
| SFH 32 | M32N | 2 | 92.2 |

• If required ISO tapered thread replace R in stead of N. (ex : SFH4-M4R)

Female Pipe Threads, NPT



| Part Number | | Tube OD(inch) | Dimension A |
|-------------|------|---------------|-------------|
| SFH 4 | F4N | 1/4 | 46.0 |
| SFH 6 | F6N | 3/8 | 46.7 |
| SFH 8 | F8N | 1/2 | 62.2 |
| SFH 12 | F12N | 3/4 | 61.2 |
| SFH 16 | F16N | 1 | 74.2 |
| SFH 24 | F24N | 1 1/2 | 83.3 |

• If required ISO tapered thread replace R in stead of N. (ex : SFH4-F4R)

• All dimensions in millimeters unless specified as "inch". Dimension are for reference only, subject to change