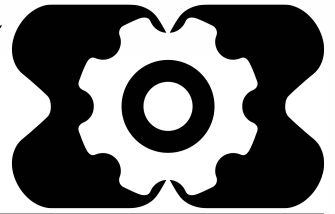


# Flexible Metal Hoses PAP

**PAP-FH Series**

شرکت فنی مهندسی  
مبتکران برزین صنعت

MOBTAKERAN BARZIN SANAT CONSULTING ENGINEERS CO.



## Features

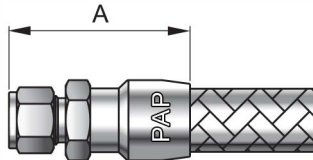
- Stainless steel construction.
- Positive pressure up to 1600psig. (110bar)
- Wide variety of fractional and metric end connections from 1/4" to 2" and 6mm to 38mm.
- Custom options and assemblies available.

## Technical Data

| Nominal<br>Hose Size<br>in. | HOSE<br>Series | Minimum Bend Radius in. (cm) |             | Temperature<br>Range °F (°C) | Working Pressure<br>@-325 to 300 °F<br>(-200 to 148 °C)<br>psig (bar) | Minimum Burst<br>@70°F (20°C)<br>psig (bar) |
|-----------------------------|----------------|------------------------------|-------------|------------------------------|-----------------------------------------------------------------------|---------------------------------------------|
|                             |                | Static                       | Dynamic     |                              |                                                                       |                                             |
| 1/4                         | PAP- FH4       | 0.75 (1.90)                  | 4.33 (11.0) | -325 to 800<br>(-200 to 426) | 1600 (110)                                                            | 6400 (440)                                  |
| 3/8                         | PAP- FH6       | 0.87 (2.21)                  | 5.91 (15.0) |                              | 1470 (101)                                                            | 5880 (405)                                  |
| 1/2                         | PAP- FH8       | 1.04 (2.64)                  | 6.50 (16.5) |                              | 1110 (76.4)                                                           | 4440 (305)                                  |
| 3/4                         | PAP- FH12      | 1.61 (4.09)                  | 8.86 (22.5) |                              | 860 (59.2)                                                            | 3440 (237)                                  |
| 1                           | PAP- FH16      | 1.89 (4.80)                  | 10.2 (26.0) |                              | 680 (46.8)                                                            | 2720 (187)                                  |
| 1 1/4                       | PAP- FH20      | 2.16 (5.49)                  | 11.8 (30.0) |                              | 680 (46.8)                                                            | 2720 (187)                                  |
| 1 1/2                       | PAP- FH24      | 2.33 (5.92)                  | 13.4 (34.0) |                              | 520 (35.8)                                                            | 2080 (143)                                  |
| 2                           | PAP- FH32      | 3.10 (7.87)                  | 15.4 (39.1) |                              | 450 (31.0)                                                            | 1800 (124)                                  |

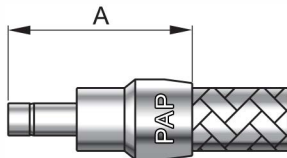
## Table of Dimensions

### PAP Tube Fitting



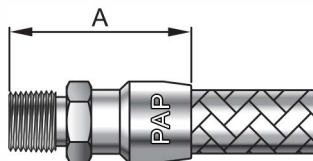
| Order Number |                | Tube OD(in) | Dimension A (mm) |
|--------------|----------------|-------------|------------------|
| Hose Series  | End Connection |             |                  |
| PAP- FH4     | S4             | 1/4         | 47.5             |
| PAP- FH6     | S6             | 3/8         | 50.8             |
| PAP- FH8     | S8             | 1/2         | 61.7             |
| PAP- FH12    | S12            | 3/4         | 66.5             |
| PAP- FH16    | S16            | 1           | 81.3             |
| PAP- FH20    | S20            | 1 1/4       | 96.3             |
| PAP- FH24    | S24            | 1 1/2       | 108.0            |
| PAP- FH32    | S32            | 2           | 133.0            |

### Tube Adapter



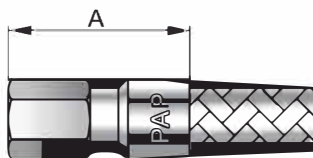
| Order Number |                | Tube OD(in) | Dimension A (mm) |
|--------------|----------------|-------------|------------------|
| Hose Series  | End Connection |             |                  |
| PAP- FH4     | 4T             | 1/4         | 38.6             |
| PAP- FH6     | 6T             | 3/8         | 46.0             |
| PAP- FH8     | 8T             | 1/2         | 54.9             |
| PAP- FH12    | 12T            | 3/4         | 63.5             |
| PAP- FH16    | 16T            | 1           | 75.9             |

### Male Pipe Threads, NPT



| Order Number |                | Pipe Thread Size (in) | Dimension A (mm) |
|--------------|----------------|-----------------------|------------------|
| Hose Series  | End Connection |                       |                  |
| PAP- FH4     | SFH 4          | M4N                   | 43.2             |
| PAP- FH6     | SFH 6          | M6N                   | 48.5             |
| PAP- FH8     | SFH 8          | M8N                   | 58.9             |
| PAP- FH12    | SFH 12         | M12N                  | 62.3             |
| PAP- FH16    | SFH 16         | M16N                  | 77.5             |
| PAP- FH20    | SFH 20         | M20N                  | 79.8             |
| PAP- FH24    | SFH 24         | M24N                  | 85.9             |
| PAP- FH32    | SFH 32         | M32N                  | 92.2             |

### Female Pipe Threads, NPT



| Order Number |                | Pipe Thread Size (in) | Dimension A (mm) |
|--------------|----------------|-----------------------|------------------|
| Hose Series  | End Connection |                       |                  |
| PAP- FH4     | F4N            | 1/4                   | 46.0             |
| PAP- FH6     | F6N            | 3/8                   | 46.7             |
| PAP- FH8     | F8N            | 1/2                   | 62.2             |
| PAP- FH12    | F12N           | 3/4                   | 61.2             |
| PAP- FH16    | F16N           | 1                     | 74.2             |
| PAP- FH24    | F24N           | 1 1/2                 | 83.3             |