FHA1

Flexible Hose Assemblies
Stainless steel braided hose
The fire-rated hose assembly has a braided stainless steel outer band with EPDM inner tube and brass or steel fittings without any o-rings.

### Key features

- **Premium Grade EPDM**
  Provides maximum protection from ozone, weathering, heat and aging.

- **Extreme Flexibility**
  Bend radius and kink resistance

### Technical description

**Application:** HVAC Systems

**Functions:** Flex Hose

**Dimensions:**
- 1/2" - 2"

**Maximum working Pressure:**
- 1/2" - 400 WPSI Static
- 3/4" - 400 WPSI Static
- 1" - 400 WPSI Static
- 1 1/4" - 300 WPSI Static
- 1 1/2" - 300 WPSI Static
- 2" - 300 WPSI Static

**Max. Temperature:**
- -40°F to +212°F (250°F Intermittent)

**Connections:**
- **Fixed:** Male NPT
- **Swivel:**
  - JIC x Male Adapter
  - JIC x Female NPT Adapter
  - JIC x Sweat Adapter
  - JIC x Female NPSH Adapter

**Material:**
- Inner Core: EPDM Ethylene Propylene Diene Monomer
- Outer Braid: Stainless Steel (AISI 302/304)
- Ferrule: Stainless Steel 1/2" - 2"
- Wetted Parts: EPDM, Brass, Stainless 1/2" - 2" I.D

**Gasket (NPSH):** EPDM
### Nominal Dimensions / Cv Rates

<table>
<thead>
<tr>
<th>Size</th>
<th>Figure</th>
<th>Standard Lengths</th>
<th>Shortest Length</th>
<th>Minimum Bend Radius</th>
<th>Shortest Length 90° Bend</th>
<th>Cv 2'</th>
<th>Cv 3'</th>
<th>Additional Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>A</td>
<td>12&quot;, 18&quot;, 24&quot;, 36&quot;</td>
<td>6&quot;</td>
<td>2&quot;</td>
<td>12&quot;</td>
<td>3.8</td>
<td>3.5</td>
<td>9.0</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>A</td>
<td>12&quot;, 18&quot;, 24&quot;, 36&quot;</td>
<td>9&quot;</td>
<td>2-1/2&quot;</td>
<td>12&quot;</td>
<td>13.0</td>
<td>11.7</td>
<td>27.0</td>
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<tr>
<td>1&quot;</td>
<td>A</td>
<td>12&quot;, 18&quot;, 24&quot;, 36&quot;</td>
<td>9&quot;</td>
<td>3&quot;</td>
<td>15&quot;</td>
<td>22.5</td>
<td>20.5</td>
<td>50.0</td>
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<tr>
<td>1 1/4&quot;</td>
<td>A</td>
<td>24&quot; or 36&quot;</td>
<td>11&quot;</td>
<td>4-1/2&quot;</td>
<td>15&quot;</td>
<td>30.7</td>
<td>29.2</td>
<td>95.0</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>A</td>
<td>24&quot; or 36&quot;</td>
<td>11&quot;</td>
<td>6&quot;</td>
<td>18&quot;</td>
<td>57.2</td>
<td>54.3</td>
<td>160.0</td>
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<tr>
<td>2&quot;</td>
<td>A</td>
<td>24&quot; or 36&quot;</td>
<td>18&quot;</td>
<td>8-1/2&quot;</td>
<td>24&quot;</td>
<td>60.1</td>
<td>59.3</td>
<td>350.0</td>
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</tbody>
</table>

**Notes**

* Non-Standard lengths are “Special Order”. Please consult factory for lead time and availability.

Hose size denotes ID of hose.

Cv calculation are based on straight hose.

All dimensions given are in inches and are subject to minor changes.

All hoses measured end to end.

Bend radius starts 1 1/2 times hose O.D. from the end of the ferrule.

**Warranty**

“Limited Warranty” • 36 months - hoses and components (From the ship date to the Original User)
Bend Radius

Specifications

<table>
<thead>
<tr>
<th>Hose Size</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>2 1/2&quot;</td>
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<tr>
<td>1&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>2&quot;</td>
<td>8 1/2&quot;</td>
</tr>
</tbody>
</table>

Wrong

Correct

Model Order Designation

Model Size
1/2" FHA1 Shown

FHA1-050-24-M-JF

Connection 1
Fixed Male Shown

Length
2 ft. Shown

Connection 2
Swivel Female Shown

Connections 1 and 2:

Fixed:
M Male NPT

Swivel:
JM JIC x MPT Adapter
JF JIC x Female NPT Adapter
JS JIC x Sweat Adapter
JH JIC x Female NPSH Adapter

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