DESCRIPTION & CHARACTERISTICS:

Low-frequency, fluid-filled mounts are compact and highly-damped for severe shock and vibration environments. **Ideal for protecting mobile electronics (and other equipment) in applications where a high level of damping is desired** – such as in ground vehicles, rotary/fixed wing aircraft and shipboard installations.

- Silicone gel provides a high level of damping
- Low natural frequency internal coil spring supports static weight
- Designed for severe shock and vibration inputs (MIL-STD-810E)
- Axial to radial stiffness ratio of 1:0.8 (HFM-10) & 1:1 (HFM-25)
- Fail-safe when used with restraining strap

HUTCHINSON FLUID MOUNT ADVANTAGES:

- Higher level of vibration damping than conventional elastomeric mounts
- Consistent performance over entire operating temperature range: -40°F to +195°F (-40°C to +90 °C)
- Excellent deflection capability and low natural frequency
- Superior resistance to drift compared to highly damped elastomers
- Robust seal design to prevent leakage
- Compact space efficient design
- Resistant to ozone and fungus

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Load Range, Ground Based</th>
<th>Load Range, Airborne</th>
<th>Axial Natural Frequency</th>
<th>Transmissibility at Resonance</th>
<th>Standard Metal Material</th>
<th>Standard Elastomer Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFM-10</td>
<td>3 – 8 lbs</td>
<td>0.5 – 5 lbs</td>
<td>10 – 25 Hz</td>
<td>2.5 MAX</td>
<td>304 SS</td>
<td>Silicone</td>
</tr>
<tr>
<td>HFM-25</td>
<td>11 – 17 lbs</td>
<td>11 – 17 lbs</td>
<td>6 – 10 Hz</td>
<td>2.5 MAX</td>
<td>304 SS</td>
<td>Silicone</td>
</tr>
</tbody>
</table>
**Fluid Mounts**

Dimensions & Performance Characteristics

**DIMENSIONS:**

**HFM-10**

**HFM-25**

**PERFORMANCE CHARACTERISTICS:**

**HFM-10**
- Axial Natural Frequency vs. Load
- Load vs. Deflection

**HFM-25**
- Axial Natural Frequency vs. Load
- Load vs. Deflection

Phone 508.417.7000  »  www.BarryControls.com