FLEX-HOSE
PRODUCT REPLACEMENT WARRANTY
EXCEEDS INDUSTRY STANDARD

CSA standard B51 certified. Inspected and tested by the Technical Standards and Safety Authority of Canada.

FLEXZORBER
THE MOTION ABSORBER

Rubber Expansion Joints

FLEX-HOSE CO. INC.
AN INDUSTRY LEADER FOR FIFTY YEARS
**Neoprene Rubber Expansion Joints**

**Neoprene Single Sphere**

- **Ease of Movement**: Exhibited by Flexzorber joints is unprecedented. It is as if no other pipe ever existed. The Flexzorber, simply like no other.
- **Applications**: Neoprene expansion joints are precision molded under high pressures to ensure prototypic integrity. The spherical shape and design is ideal for solving modulus problems in piping systems because the hoses to be deflected are more flexible and less sensitive to the stress from which the high pressures to be exerted are needed to maintain efficiency in the expansion.

---

**EPDM Rubber Expansion Joints**

**Double Sphere**

- **The Flexzorber, simply like no other**.
- **Applications**: EPDM double sphere is the answer if your application requires greater temperature up to 250°F combined with large movement capability.

---

**Tables**

<table>
<thead>
<tr>
<th>I.D.</th>
<th>Length</th>
<th>PSI</th>
<th>Rating</th>
<th>Compression</th>
<th>Extension</th>
<th>Parallel</th>
<th>Angular</th>
<th>WT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>14</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>2.0</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>9</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>2.5</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>13</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>3.0</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>14</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>4.0</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>18</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>5.0</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>23</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>6.0</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>27</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>7.0</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>8.0</td>
<td>6</td>
<td></td>
<td>225</td>
<td>150</td>
<td>30°</td>
<td>38</td>
<td>38</td>
<td></td>
</tr>
</tbody>
</table>

---

**Other sizes available - please consult factory.**
**Neoprene Rubber Expansion Joints**

- Nylon reinforcing
- Other styles, sizes and elastomers available. Please allow simple installation. The Flexzorber flange is ANSI Class 150 lb. steel floating flanges or female unions.
- Wide variety of media including glycol applications.
- Spherical connectors are manufactured with a spherical arch to avoid exposure to slurries or applications with potential sediment build up or turbulence. The cord reinforcement is bonded into the elastomer to allow growth and stress.
- The forces to deflect or move the joint are inherently low compared to oils, sunlight, ozone, and heat aging. Flexzorber is a molded rubber expansion joint providing excellent choice for use with plastic piping systems. The molded spherical flowing arch is manufactured with a polyester fiber inner layer and steel rings for increased tensile strength and rigidity for maximum strength and rigidity for maximum strength.

**Applications**
- Neoprene expansion joints are precision molded under high pressure to ensure product integrity. Flexzorber's spherical arch design is ideal for solving modern problems in piping systems because the flexing of the arch or spherical arch design allows low since the flange allows or minimum pressure loss. A spherical arch is used in a wide variety of media.
- The ease of movement exhibited by Flexzorber joints provides an excellent choice for use with plastic piping systems. The molded spherical flowing arch is manufactured with a polyester fiber inner layer and steel rings for increased tensile strength and rigidity for maximum strength.
- The installation covers provide excellent resistance to oils, sunlight, ozone, and heat aging. Flexzorber's spherical arch design is ideal for solving modern problems in piping systems because the flexing of the arch or spherical arch design allows low since the flange allows or minimum pressure loss. A spherical arch is used in a wide variety of media.

**Stock sizes 2”-12”. Larger sizes available - please consult factory.

---

**EPDM Rubber Expansion Joints**

**FLEXZORBER EED Style EPDM Double Sphere Flanged**

- The Flexzorber EPDM double sphere is the answer if your application requires greater temperatures up to 250°F combined with large capacity.
- The EPDM cover provides excellent resistance to ozone as well as a wide variety of media.
- Please consult factory for a specific recommendation for your media.

**FLEXZORBER EES Style EPDM Single Sphere Flanged**

- The Flexzorber EPDM single sphere is the answer if your application requires greater temperatures up to 250°F combined with large capacity.
- The EPDM cover provides excellent resistance to ozone as well as a wide variety of media.
- Please consult factory for a specific recommendation for your media.

---

**Maxi-Flex Style HPV**

- The Maxi-Flex EPDM construction, combined with high strength fabric reinforcement provides working pressures up to 250 PSI and service temperature up to 250°F.
- The integral rubber flanges utilize union retaining rings to secure union retaining against pull-out flanges.

---

**Contact Maxi-Hose Co. for current product specification.**
**Design Variations**

**Tapered**
Flex-Hose Co.’s Tapered expansion joints can be designed to connect piping of unequal diameters.

**Multiple Arch**
Standard joint with two or three arches. Recommended for greater movement where face-to-face dimensions are not limited.

**Flexible Rubber Pipe**
Replaces steel or cast iron pipe in straight runs or specified bends in working pressures up to 250 psi. Rubber pipe is used to control vibration and reduce noise from pumps, compressors, etc. Also available in slip-on ends for low pressures.

**StopLink™ Control Cables**
Flex-Hose Co. recommends the use of StopLink control cables in all rubber expansion joint applications.
- Each control unit end plate (gusset) is triangular with three hole drilling. Two holes to bolt the plate securely to the back side of the mating flange. The final hole accommodates the plate connection to the cable. (Cable units may have two holes, for two cables, depending on nominal ID size.)
- StopLink™ control cables consist of two or more cables connecting the mating flanges.
- Control cables prevent damage due to excessive movement.
- Units are not designed as replacement for proper pipe line anchoring.
- Additional protection against over-compression may be controlled by installation of pipe sleeves over the cables.

**Installation Guidelines**

**FLEXZORBER MOVEMENTS**
Flex-Hose Co.’s FLEXZORBER rubber expansion joints are capable of handling the following movements:

- Axial Compression
- Axial Extension
- Parallel Offset
- Angular Deflection
- Vibration

Consult factory for materials such as Viton, Hypalon, EPDM, Buna-N® etc. and for larger sizes or higher working pressures.

*Registered trademark of E.I. Dupont Nemours & Company*