Longer Life Cycles

To meet customer needs, Parker CSS division expanded our product offerings to include fabric reinforced diaphragms. These new products feature: state of the art fabrics, extended life cycles, longer stroke, and increased tensile strength. Our diaphragms can be found in a variety of hydraulic and pneumatic systems like valves and flow meters. With increasing temperature ranges and more aggressive media, our diaphragms are continuously changing to meet these challenges.

Product Features:

- Anti-Wicking
- Longer Stroke capability
- Fluid resistance
- Increased tensile strength
- Increased abrasion resistance
- Low Hysteresis
- Pressure load able on both sides
- Customizable elastomer & fabric combinations
- Parker elastomer materials
- Broad selection of compatible fabric

Contact Information:

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fax 619-671-3208

www.parker.com/css
Design
- Customizable shapes and sizes
- Multiple material combinations

Function/Application
- Pumps
- Regulators
- Control valves
- Measurement units
- Actuators

Fabrics
- Polyester
- Nylon

Wide variety of benefits including Electrical Insulation, Tensile Strength, resistance to aging

Construction & Dimensions
H = Diaphragm Height
D_A = Outer Diameter Diaphragm
D_w = Effective Diameter

<table>
<thead>
<tr>
<th>Fabric</th>
<th>Electrical Insulation Properties</th>
<th>Elongation</th>
<th>Tensile Strength</th>
<th>Aging</th>
<th>Flammability</th>
<th>Heat Degradation</th>
<th>Ignition Temp</th>
<th>Melting Point</th>
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</thead>
<tbody>
<tr>
<td>Polyester</td>
<td>★★★</td>
<td>Medium</td>
<td>★★</td>
<td>★★★</td>
<td>★</td>
<td>★★★</td>
<td>1040(F°) 560(C°)</td>
<td>480(F°) 249(C°)</td>
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<tr>
<td>Nylon</td>
<td>★★★</td>
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