Appendix B—Specifications for Models PZ7 and PZ10

Operating Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard connections:</td>
<td>2&quot; or 2-1/2&quot; NPT</td>
</tr>
<tr>
<td>Optional connections:</td>
<td>2&quot; or 2-1/2&quot; Slip-on weld, BSPT</td>
</tr>
<tr>
<td>Maximum differential pressure:</td>
<td>125 psid (8.6 bar)</td>
</tr>
<tr>
<td>Operating temperature range:</td>
<td>Up to 300°F (149°C)</td>
</tr>
<tr>
<td>Maximum working pressure:</td>
<td>200 psi (13.8 bar)</td>
</tr>
<tr>
<td>Maximum speed:</td>
<td>800 RPM</td>
</tr>
<tr>
<td>Fluids:</td>
<td>For refined petroleum products and industrial solvents</td>
</tr>
</tbody>
</table>

Material Specifications

<table>
<thead>
<tr>
<th>Part</th>
<th>Model</th>
<th>Standard Material</th>
<th>Optional Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case</td>
<td>All</td>
<td>Ductile iron ASTM A536</td>
<td></td>
</tr>
<tr>
<td>Head</td>
<td>All</td>
<td>Ductile iron ASTM A536</td>
<td></td>
</tr>
<tr>
<td>Flanges</td>
<td>All</td>
<td>Ductile iron ASTM A536</td>
<td></td>
</tr>
<tr>
<td>Rotor</td>
<td>All</td>
<td>Ductile iron ASTM A536</td>
<td></td>
</tr>
<tr>
<td>Bearing cap</td>
<td>All</td>
<td>Ductile iron ASTM A536</td>
<td></td>
</tr>
<tr>
<td>Sideplates</td>
<td>All</td>
<td>Cast iron Class 30</td>
<td></td>
</tr>
<tr>
<td>Vanes and vane drivers</td>
<td>All</td>
<td>Advanced polymer</td>
<td></td>
</tr>
<tr>
<td>Bypass valve</td>
<td>All</td>
<td>17-4 PH stainless steel</td>
<td></td>
</tr>
<tr>
<td>Bypass spring</td>
<td>All</td>
<td>Steel</td>
<td></td>
</tr>
<tr>
<td>Seal seat</td>
<td>All</td>
<td>Silicon carbide</td>
<td></td>
</tr>
<tr>
<td>Seal metal parts</td>
<td>All</td>
<td>Steel</td>
<td></td>
</tr>
<tr>
<td>Shaft</td>
<td>All</td>
<td>8620 steel</td>
<td></td>
</tr>
<tr>
<td>Thrust bearing</td>
<td>All</td>
<td>Steel</td>
<td></td>
</tr>
<tr>
<td>O-rings</td>
<td>All</td>
<td>Viton®¹</td>
<td></td>
</tr>
</tbody>
</table>

¹Registered trademark of the DuPont company.