PCM MOINEAU™ A PUMP RANGE

API676 PROGRESSING CAVITY PUMPS

keep it moving

Progressive Cavity Pump is the first choice when facing any of the challenges of high viscosity, solid handling, very low NPSH or low shear applications.
### WHICH ELASTOMER FOR MY PUMP?

<table>
<thead>
<tr>
<th>Type</th>
<th>PCM Elastomer</th>
<th>Application</th>
<th>Mechanical properties</th>
<th>Chemical resistance (1 = low, 10 = high)</th>
<th>Dynamic</th>
<th>Static</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hardness (Shore A)</td>
<td>Mechanical Strength (1 = low, 10 = high)</td>
<td>Abrasion Resistance (sand) (1 = low, 10 = high)</td>
</tr>
<tr>
<td>NBR</td>
<td>184</td>
<td>- Versatile - Good mechanical resistance - Limited aromatics resistance</td>
<td>63</td>
<td>7</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>HNBR</td>
<td>198</td>
<td>- High temperature - Good H₂S resistance - Good abrasion resistance</td>
<td>78</td>
<td>8</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>FKM</td>
<td>186</td>
<td>- Good chemical resistance - Good aromatics resistance - Limited abrasion resistance</td>
<td>72</td>
<td>4</td>
<td>2</td>
<td>10</td>
</tr>
</tbody>
</table>

This table is indicative and highlights the main elastomer properties and capabilities. PCM provides elastomer compatibility testing under controlled lab conditions to ensure the right elastomer for your application; contact our After-sales Service team for more information.

BTEX: Monoaromatic Hydrocarbons [Benzene, Toluene, Ethylbenzene & Xylene]

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**Notes:**
- Max flowrate is at Max pump speed and is based on water (1cP viscosity).
- Dimensions are indicative and including drive. Expect some variation depending on the size and type of drive for your application.
- Height includes API baseplate. Dimension from underside of the baseplate to the top of the motor terminal box.
- Main process connections: ANSI/ASME B16.5 standard.
When using a conventional progressing cavity pump for multiphase flow, pressure build-up occurs on the discharge side of the pump shortening run life.

With PCM Slugger, pressure is balanced across the pump. Liquid and gas pressure is more uniformly distributed along the stator. This reduces internal stress and contributes to better reliability and longer run life.

- PCM Helix Constant Thickness (CT) stator technology gives you more pressure per stage compared to conventional stators in a progressing cavity pump.

- More pressure per stage means you need less stages for your application, and this translates to a smaller pump; so you get the benefits of progressing cavity pump technology in more space constrained installations.

- Compared to conventional stators, PCM Helix also gives you better, more reliable performance when your pump is operating across a wider range of fluid temperatures.

- Pump models including the CT suffix incorporate PCM Helix Constant Thickness stator technology.