Core Ring

RADIAL VALVE GATE TECHNOLOGY

An advanced solution that gates through the existing circular feature of a part to completely eliminate gate appearance and improve production quality. Compatible with a variety of resins (including glass filled*) on low to high cavitation molds. Ideal for packaging, personal care and technical applications.

KEY FEATURES

CREATIVE GATE LOCATION
• Utilizes a part’s existing circular feature.
• Valve pin extends through the hole of the design.
• Gate is completely hidden.
• Eliminates traditional gate marks.

360° RESIN FLOW DISPERSION
• Balanced filling.
• Eliminates weld lines.
• Minimizes core shift.
• Promotes uniform shrinkage.
• Improves mechanical strength.

WIDE COMPATIBILITY
• Small to large gate Ø sizes.
• Standard up to Ø9.5mm
• Custom possible for >Ø9.5mm
• Glass filled resins possible.

IN-PRESS ACCESS
• Quickly and easily adjust or replace pins.
• Eliminates the need for disassembly.
• Minimizing downtime.

*Application dependant
ACTUATION CYCLE
Design allows resin to disperse 360 degrees around the “pin” into the cavity.

ENHANCES PART QUALITY
Radially injecting material directly into a parts center hole eliminates dimensional instabilities and visual defects.

CORE DIMENSIONS:
- Standard: 9.5mm (Max)
- Custom: >9.5mm

SPECIFICATIONS

<table>
<thead>
<tr>
<th>NOZZLE RANGE</th>
<th>FEMTO-LITE</th>
<th>FEMTO</th>
<th>PICO</th>
<th>CENTI</th>
<th>DECI</th>
<th>HECTO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shot Size* (g)</td>
<td>&lt;1-5</td>
<td>5-10</td>
<td>10-20</td>
<td>15-50</td>
<td>50-500</td>
<td>500-3,500</td>
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<tr>
<td>Runner Ø</td>
<td>4</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>11</td>
<td>16</td>
</tr>
<tr>
<td>Length Range (mm)</td>
<td>40-223</td>
<td>40-205</td>
<td>31-221</td>
<td>25-224</td>
<td>35-253</td>
<td>50-488</td>
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</tbody>
</table>

To ensure your mold operates at peak performance and delivers ultimate process control, Mold-Masters recommends using TempMaster controllers with all Mold-Masters hot runner systems. Unlock your operations full potential with TempMaster.