IMI PBM INDUSTRIAL PSV SWITCHING VALVE
3-Way Multi-Port, CL150 & CL300, 1/2” - 6”

DESIGN FEATURES:
- 3-Way Multi-Port Switching Valve
- Adjust-O-Seal® Design - Ball is captured mechanically and seals bi-directionally on both PSV ports
- Full Port or IMI PBM True-Bore® design
- 120° porting for fast, 120° operation - minimizes PSV system interruption
- Low pressure drop at full flow
  - <3% - no need to upsize piping to accommodate a 90° diverter valve pressure drop
- Live loaded packing
- Flexible design configuration
  - Can be used with any material, end connection, bleed valve/connection
  - Cryogenic designs available
  - Custom configurations to fit existing piping
- Quality - Manifold assembly manufactured complete in controlled factory environment
- Reduced installation times - “Plug & Play”

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>DIVERTER VALVES</th>
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<tbody>
<tr>
<td>Sizes</td>
<td>1/2” - 6” Series 5</td>
</tr>
<tr>
<td>Material</td>
<td>316/316L, Alloy 20, Carbon Steel, Hastelloy, Iconel, others available</td>
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<tr>
<td>Temperatures</td>
<td>-325°F to 400°F for V-TEF™ seats, higher temp. seat/seal materials available</td>
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<tr>
<td>End Connections</td>
<td>Flanged, NPT, Butt weld, Socket weld</td>
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<tr>
<td>Seats, Seals and Stem Packings</td>
<td>C-TEF™, S-TEF®, V-TEF™, others available (API 622 Low Emissions Packing available)</td>
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<tr>
<td>Body Bolts &amp; Nuts</td>
<td>18-8 Stainless Steel, others available</td>
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<tr>
<td>Maximum Working Pressure</td>
<td>Up to 275 psig CWP for CL150, 725 psig CWP for CL300</td>
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**CV (gpm) vs. Handle Position for 2” DP & SV Valves with Angle Port Ball**

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**THE IMI PBM ADVANTAGE**

- **MAX CV**
  - Standard DP = 145
  - IMI PBM SV = 190

- **MIDSTROKE CV**
  - Standard DP = 17
  - IMI PBM SV = 130

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**FLOW PATTERN 45°**

3-WAY, SIDE ENTRY, ANGLE PORT, 120°

**POSITION “A”**
**POSITION “B”**

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