The Mono-Block™ II is the industry’s most widely used additive injector installed at load racks, pipelines, chemical storage, distribution facilities and aviation refueling systems around the world. It is designed to work seamlessly with Honeywell Enraf’s smart injector controllers (Mini-Pak™ 3000 and Mini-Pak™ 6) or as a slave injector with the latest generation loading presets and TAS systems.

The compact assembly features a solid block design manufactured in stainless steel, housing a mini oval gear meter, solenoid valve, integral check-valves, needle valves, and inlet strainer all machined directly into the injector block. Combining the functionalities into a single monolithic manifold block reduces the footprint, which is critical when limited spaces are available for on-board truck applications and truck loading racks.
Benefits

- Proven technology
- Extremely accurate
- Proven reliability
- Compact footprint
- Seamless integration

Features

- Stainless steel machined manifold block
- Inlet and outlet connections machined into block
- Oval gear meter machined into manifold block
- Built-in strainer and check valve
- Explosion proof solenoid
- Explosion proof Hall-Effect meter sensor
## Technical Specification

### Flow
- **Nominal K-Factor**: 5000 PPG
- **Meter Accuracy**: 0.50%
- **Meter Repeatability**: 0.25%
- **Max Flow Rate**: 2.5 gal/Min (9.5 Liters/Min)
- **Min Flow Rate**: 0.1 gal/Min (0.38 Liters/Min)
- **Max Pressure**: 400 psi (27.6 Bar)
- **Max Viscosity**: 300 cst.

### Environmental
- **Temperature**: -40°F to 150°F (-40°C to 65°C)
- **Approvals**: Explosion proof components rated for Class 1, Div1 Group C & D

### Materials
- **Manifold**: 303 Stainless Steel
- **Meter Gears**: 538 Ryton™
- **Sensor**: Aluminum
- **Solenoid Seals**: Chemraz

### Electrical
- **Solenoid Voltage**: 120/240 VAC 22 W / 11 W; 50/60 Hz
  (Consult Factory for 12 VDC or 24 VDC)
- **Sensor type**: Solid-state, bi-polar magnetic gated, open collector output
- **Sensor power**: 5 - 25 VDC, 20 mA maximum
- **Open Collector Output**: 5 – 25 VDC, 100 mA maximum (un-sourced)

### Mechanical
- **Manifold Components**: Outlet flow control & diverter valve, Inlet strainer,
  Outlet check valve, QRC calibration point.
- **Manifold Connections**: 3/8" FNPT

### Weight
- **Bare Mono-Block II unmounted**: 11 lbs (approx)

### Options
- **Oval gear material**: Stainless Steel
- **Calibration**: Mono-Block™ Calibration Kit (P/N 10-31565)
- **Interfaces**: Handheld IR Controller for MP3000 & MP6 controllers (P/N 10-31052)
## Identification Code

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
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<tbody>
<tr>
<td>8 0</td>
<td>Mono-Block II Multi-Pak Family of injector blocks</td>
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<tr>
<td>9</td>
<td>Special</td>
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<tr>
<td>0</td>
<td>120 VAC 50/60 Hz</td>
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<tr>
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<td>240 VAC 50/60 Hz</td>
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<tr>
<td>5</td>
<td>Standard Chemraz solenoid seat</td>
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<tr>
<td>6</td>
<td>ASCO Solenoid</td>
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<td>5000 PPG</td>
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<tr>
<td>4</td>
<td>Stainless Steel Gears</td>
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<tr>
<td>9</td>
<td>Special</td>
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<tr>
<td>0</td>
<td>UL listed electrical components and CE marked module</td>
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<tr>
<td>9</td>
<td>Special</td>
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<tr>
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<td>Bare Mono-Block II unmounted (When selected Pos 9, 10, 11 not applicable)</td>
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<td>Full size panel with 1 MBII Injector Block with room for 5 more</td>
</tr>
<tr>
<td>2</td>
<td>Full size panel with 2 MBII Injector Blocks with room for 4 more</td>
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<tr>
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<td>Full size panel with 3 MBII Injector Blocks with room for 3 more</td>
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<tr>
<td>4</td>
<td>Full size panel with 4 MBII Injector Block with room for 2 more</td>
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<tr>
<td>5</td>
<td>Full size panel with 5 MBII Injector Block with room for 1 more</td>
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<tr>
<td>6</td>
<td>Full size panel with 6 MBII Injector Blocks</td>
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<tr>
<td>0</td>
<td>Slave Injectors with terminal strips in enclosure</td>
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<tr>
<td>M P 6</td>
<td>Adder for MP6 electronic controller in enclosure</td>
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</tbody>
</table>

### Typical identification code

```
8 0 - 1 1 1 0 6 M P 6
```

### Your identification code

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**For More Information**

To learn more about Honeywell Enraf’s solutions, contact your Honeywell Enraf account manager or visit www.honeywellenraf.com.

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