**Air Hammer**

**Series IPV**

**Single Impacting Type**

**How It Operates**

The IPV series air hammer contains a powerful magnet inside the hammer. The hammer and magnet are tightly closed before activation. As the inlet air pressure gets higher than the force, this tightens the hammer and magnet. The hammer and magnet will separate and cause more strength for impact power. The spring will bring the hammer back to the initial position automatically after the impact. By doing this, the air pressure will be released and the strength of the air pressure will be delivered to the target impact container. It will help to smooth the flow and prevent accumulation inside the container.

**Specifications**

- **Temperature Limit:** 212°F (100°C).
- **Noise Level Range:** 60-75 dBA.
- **Supply Pressure:** 43.5 to 87 psi (3 to 6 bar).
- **Air Consumption:** See model chart.
- **Air Connection:** 1/4” BSPT female with 1/4” OD push to connect adapter on IPV-1, IPV-2 and IPV-3; 3/8” BSPT female with 3/8” OD push to connect adapter on IPV-4. Also includes muffler for exhaust port.

**How It Operates**

The Series EBV Electric Bin Vibrator incorporates adjustable force features without creating irritating noise. The low amperage draw at 120V reduces power consumption and makes the vibrators usable in any application. The EBV eliminates drawbacks associated with non-adjustable constant force units. The conventional fixed force units are sized with narrow operating limits and may not move material from bins or pack material in containers if the moisture content changes. The adjustable force feature increases application flexibility; reducing equipment downtime and labor expense. The EBV is capable of running continuously at 100% force output without overheating or mechanical damage.

**Specifications**

- **Power Requirements:** 120 VAC (60 Hz), 230 VAC (50 Hz).
- **Power Consumption:** See model chart.
- **Temperature Limits:** -4 to 104°F (-20 to 40°C).
- **Enclosure Rating:** NEMA 4X (IP66).
- **Weight:** See model chart.
- **Approvals:** CE.

**Features**

- Continuous operation at 100% force output
- NEMA 4X (IP66)
- Robust aluminum body
- Silent operation (20 dB)
- Adjustable centrifugal force

**Dimensions—Inches (mm)**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPV-1</td>
<td>5.43 (138 mm)</td>
<td>3.15 (80 mm)</td>
<td>2.36 (60 mm)</td>
<td>0.47 (12 mm)</td>
<td>0.35 (9 mm)</td>
</tr>
<tr>
<td>IPV-2</td>
<td>5.46 (166 mm)</td>
<td>3.94 (100 mm)</td>
<td>2.95 (75 mm)</td>
<td>0.63 (16 mm)</td>
<td>0.43 (11 mm)</td>
</tr>
<tr>
<td>IPV-3</td>
<td>8.19 (208 mm)</td>
<td>5.51 (140 mm)</td>
<td>4.13 (105 mm)</td>
<td>0.63 (16 mm)</td>
<td>0.59 (15 mm)</td>
</tr>
<tr>
<td>IPV-4</td>
<td>10.56 (269 mm)</td>
<td>6.77 (172 mm)</td>
<td>5.51 (140 mm)</td>
<td>0.94 (24 mm)</td>
<td>0.75 (19 mm)</td>
</tr>
</tbody>
</table>

**Specifications**

- **Power Requirements:** 120 VAC (60 Hz), 230 VAC (50 Hz).
- **Power Consumption:** See model chart.
- **Temperature Limits:** -4 to 104°F (-20 to 40°C).
- **Enclosure Rating:** NEMA 4X (IP66).
- **Weight:** See model chart.
- **Approvals:** CE.

**Features**

-Continuous operation at 100% force output
- NEMA 4X (IP66)
- Robust aluminum body
- Silent operation (20 dB)
- Adjustable centrifugal force

**Specifications**

- **Power Requirements:** 120 VAC (60 Hz), 230 VAC (50 Hz).
- **Power Consumption:** See model chart.
- **Temperature Limits:** -4 to 104°F (-20 to 40°C).
- **Enclosure Rating:** NEMA 4X (IP66).
- **Weight:** See model chart.
- **Approvals:** CE.

**Features**

- Continuous operation at 100% force output
- NEMA 4X (IP66)
- Robust aluminum body
- Silent operation (20 dB)
- Adjustable centrifugal force

**Specifications**

- **Power Requirements:** 120 VAC (60 Hz), 230 VAC (50 Hz).
- **Power Consumption:** See model chart.
- **Temperature Limits:** -4 to 104°F (-20 to 40°C).
- **Enclosure Rating:** NEMA 4X (IP66).
- **Weight:** See model chart.
- **Approvals:** CE.