Global Pump, Economical Price

The EJ Series provide precise chemical injection with an economical cost. Universal voltage capability enables operation from 100 - 240VAC in virtually all countries. The EJ Series are compact, simple to operate and have outputs to 4.8L/H and a maximum pressure of 1.2MPa.

- **High Speed Performance**
  The EJ Series operate at 360 strokes-per-minute, providing high resolution chemical feed and high turndown capability. Most competitive products operate at slower speeds, resulting in sludge feeding, accelerated diaphragm wear and poor feed control.

- **Universal Voltage**
  The Universal Voltage Function enables the EJ Series to operate at any AC voltage. The EJ Series also conform to global standards.

- **IP65 equivalent Protection**
  A robust housing protects the pump from normal wear. Mounting the Digital Display and Key Pad control within the drive housing creates a highly water resistant design. A clear cover further protects the pump from liquids.

Solutions for chemical handling applications
**Wet-end materials**

<table>
<thead>
<tr>
<th>Material symbol</th>
<th>VC</th>
<th>VH</th>
<th>TC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Pump head</td>
<td>PVC</td>
<td>PVDF</td>
<td></td>
</tr>
<tr>
<td>2 Valve</td>
<td>Alumina ceramic</td>
<td>HC276</td>
<td>Alumina ceramic</td>
</tr>
<tr>
<td>3 O-ring</td>
<td>FKM</td>
<td>EPDM</td>
<td>FKM</td>
</tr>
<tr>
<td>4 Valve seat</td>
<td>EPDM</td>
<td>PVC</td>
<td>EPDM</td>
</tr>
<tr>
<td>5 Gasket</td>
<td>PTFE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Diaphragm</td>
<td>PTFE+EPDM</td>
<td>(PTFE is not wet end)</td>
<td></td>
</tr>
</tbody>
</table>

**Drive unit symbol**
- Average power consumption: 1.5W
- Diaphragm diameter:
  - 09: 8mm, 11: 10mm
  - 16: 15mm, 21: 20mm
  - 31: 30mm

**Note 1**: The maximum applied voltage from the EJ to an external contact is 15V at 3mA.

**Note 2**: When the external pulse signal is entered to run the pump over the max spm, a flow rate increases as a discharge pressure decreases.

**Note 3**: Observe the allowable voltage range of 90 to 264VAC. Otherwise failure may result.

**Controller**
- Operation mode: Manual
- Mode selection: EXT
- Stroke rate: 1 to 360spm
- Spm programming: UP key
- STOP function: No-voltage contact or open collector
- EXT mode: Maximum 360spm
- Pump behaviour: 1 shot per signal
- Input signal: No-voltage contact or open collector
- Monitors:
  - LCD: 7x3 LCD with three status codes
  - LED: Green LED (1 blinks at each shot)
- Buffer: Non-volatile memory
- Power voltage: 100 to 240VAC 50/60Hz

**Pump**
- Model: B09
- Max capacity: L/H 1.14 1.8 3.0 4.8 9.0 12.0
- Max. discharge pressure: MPa 1.2 1.0 0.6 0.3 0.2 0.15
- Stroke rate: 1 to 360
- Power consumption: W 1.5 1.7
- Current (Input): A 0.8

**Dimensions in mm**

**Optional accessories**
- Check valve CAN
- Foot valve FS
- Back pressure valve BVC

**IWAKI ELECTROMAGNETIC METERING PUMPS EJ-R**

IWAKI has updated their network. Please find your distributor at www.iwakipumps.jp

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