**B Pulser**

**C700 Polymer Body 5/8” x 1/2”**

**5/8” x 3/4”**

**HSP for Bronze Body 1/2” - 2”**

**Positive Displacement**

**Cold Water Meters**

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**Materials**

- **Pulser Can**: 90% Copper Alloy
- **Pulser Lens Cover**: Polycarbonate
- **Terminal Cover**: Polypropylene
- **Terminal Screws**: Brass
- **Pulser Housing**: Reinforced Acelal Copolymer
- **Seal or Locking Screw**: Stainless Steel
- **Seal Nut**: Brass
- **Pulser Support Ring**: ABS
- **Limit Switch**: Rated at 3 Amps

**Dimensions**

New Dimension for C700 polymer body w/B pulser

<table>
<thead>
<tr>
<th>Size</th>
<th>USG Contact Rate</th>
<th>M3 Contact Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8” x 1/2”</td>
<td>1 cont/gal</td>
<td>1/liter</td>
</tr>
<tr>
<td>5/8” x 3/4”</td>
<td>1 cont/gal</td>
<td>1/liter</td>
</tr>
</tbody>
</table>

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**Type “B” 5/8” polymer body C700**

The unit requires power from an external source. The “B” pulser is a copper can register option that fits in place of the direct read register. No lid is used with the pulser. The unit can provide contact closures to 3 amp @ 125 VAC max, depending on the power supplied. The contact closure is a normally open snap action limit switch. The pulser is suitable for use with remote counters, batch controllers or appropriate data collection devices.

**NOTE:** This unit is normally wired in series.

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**Contact closure rates are:**

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www.elsteramcowater.com
### HPS Contact Rates

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>USG Cont./Gal</th>
<th>CU FT Cont./CuFt</th>
<th>M3/litre Cont./L</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot; x 1/2&quot;</td>
<td>115.2</td>
<td>862</td>
<td>30.43</td>
</tr>
<tr>
<td>5/8&quot; x 3/4&quot;</td>
<td>115.2</td>
<td>862</td>
<td>30.43</td>
</tr>
<tr>
<td>3/4&quot; x 3/4&quot;</td>
<td>66.6</td>
<td>498</td>
<td>17.59</td>
</tr>
<tr>
<td>1&quot;</td>
<td>30</td>
<td>224.4</td>
<td>7.9</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>11.3</td>
<td>84.3</td>
<td>2.48</td>
</tr>
<tr>
<td>2&quot;</td>
<td>8.14</td>
<td>60.88</td>
<td>2.14</td>
</tr>
</tbody>
</table>

All units are magnetically driven which eliminates miscoupling and leak problems associated with unsealed units (e.g., packing glands).

### Dimensions:
Add 2-3/4" to centerline to top dimension from C700 Specification Sheet.

### Materials
- **Pulsar Can**: 90% copper alloy
- **Pulsar Lens Cover**: Cast Acrylic
- **Sensor**: Hall effect
- **Magnet**: Plastic Bonded Ferrite (2 pole)
- **Pulse Connection**: Three core PVC Shielded cable

### Electrical Specification
- **Supply Voltage**: 6-24 VDC
- **Supply Current (mA max.)**: 13.5 mA
- **Supply Current (mA nominal)**: 6.0 mA
- **Output resistance**: 10 k Ohms
- **@ 6V Supply Source Current**: 0.6 mA
- **@ 24V Supply Source Current**: 2.0 mA
- **Max. Sink Current**: 20 mA

### Physical
- **Water & Dust Protection**: NEMA 4
- **Storage Temp**: -20°C to 70°C
  - -4°F to 158°F
- **Working Temp**: Flowing water to 120°F

### Interface Specification
- **Red**: + Positive Power Supply
- **Black**: − Negative / Ground
- **Clear / White**: Output signal

**HSP (High Speed Pulse)** adds a high frequency output capability to bronze body C700 meters while retaining the direct read register readability. The unit is a Missouri style register can that can retrofit direct read meters using appropriate retaining ring and housing combinations. The sensing element is a hall effect magnetic switch providing a 50/50 switch ratio.

The unit is applicable to rate indication, batch control or totalization when used with appropriate Elster electronics. The unit may also be wired directly to third party systems provided they accept the electrical specifications listed.